



Holy Cross College (Autonomous)

Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle
An ISO 9001:2015 Certified Institution

SSR
2019-2020
to
2023-2024

3.4.3 Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

UGC-CARE List

You searched for "Ratio Mathematica". Total Journals : 1

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Ratio Mathematica	Academy of Piceno Aprutina Dei Velati	1592-7415	2282-8214	from June-2019 to January- 2024	Discontinued from Jan 2024

Showing 1 to 1 of 1 entries

Previous 1 Next

Ratio Mathematica

http://ejis.it/ojs/index.php/ratiomathematica/index

Mathematics; Statistics; Applications

RATIO MATHEMATICA

HOME ABOUT LOGIN SEARCH CURRENT ARCHIVES
ANNOUNCEMENTS AUTHOR GUIDELINES AUTHORS

Home > Vol 48 (2023)

RATIO MATHEMATICA

RATIO MATHEMATICA - JOURNAL OF MATHEMATICS, STATISTICS, AND APPLICATIONS

Ratio Mathematica is a historical journal of Mathematics and Statistics that has been publishing scientific articles for more than thirty years. Ratio Mathematica, founded by Prof. Franco Eugeni, was born in 1990 in Pescara, a city located in the Abruzzo region of Italy. Since the first years of activity, the journal has always been characterized by a strong internationalization.

Ratio Mathematica is an open-access journal that publishes an issue every six months (in June and December). The journal is interested in original research articles on theoretical and applied Mathematics and Statistics.

Only English-language publications are accepted. We invite authors who are not native speakers to use external services to check the grammar and correctness of the English language. A paper with an unsatisfactory level of the English language will not be considered for publication, regardless of the mathematical and statistical content.

The main topics of interest for Ratio Mathematica are:

- Advances in theoretical and applied mathematics and statistics;
- Decision-making in conditions of uncertainty;
- Fuzzy logic;
- Probability theory;
- New theories for dissemination and communication of mathematics and statistics.

The journal is interested in both methodology and applications but in both cases a component of originality and innovation is essential in order to consider the submission for publication. For this reason, simple applications of known methods are not of interest to the journal.

Ratio Mathematica is included in the **UGC care list (Group I)**. The Group I is composed of the Journals found qualified through UGC-CARE protocols (University Grant Commission - Consortium for Academic and Research Ethics). <https://ugccare.unipune.ac.in/Apps1/Home/Index>

Ratio Mathematica is included in the list of scientific journals recognized by **ANVUR** (Italian national agency of evaluation of the university and research system) in:

- **Area 13** - Economic and statistical sciences.
- **Area 11** - Historical, philosophical, pedagogical and psychological sciences.

<https://www.anvur.it/attivita/classificazione-delle-riviste/classificazione-delle-riviste-ai-fini-dellabilitazione-scientifica-nazionale/elenchi-di-riviste-scientifiche-e-di-classe-a/>

Recommendations for submitting authors: we invite the authors to submit their paper and in particular the metadata with extreme care. The metadata entered will be public in case of acceptance of the paper. In particular:

- Use the full names and surnames, without abbreviations;
- Always enter the names of all authors and correct affiliations;
- Do not use capital letters where not necessary, both in the title of the work and in the names of the authors;
- Use the journal's template: **DOWNLOAD THE JOURNAL TEMPLATE (WORD AND LATEX)**
- In the submission phase, it is required to provide the names, affiliations and email addresses of three possible referees who could be contacted in case of need. This element is essential and should be entered in the "Comments for the editor" section. If the authors do not provide this information, the paper will not be processed because the submission is considered incomplete and after one month it will be automatically deleted from the platform. The possible referees indicated must be scholars belonging to university structures other than the authors and with whom the authors have no conflicts of interest of any economic nature;
- Provide the ORCID number of each author;

JOURNAL CONTENT

Search

Search Scope

All

Search

Browse

By Issue

By Author

By Title

Other Journals

FONT SIZE

USER

Username

Password

Remember me

Login

NOTIFICATIONS

View

Subscribe

INFORMATION

For Authors

Journal Help

OPEN JOURNAL SYSTEMS

CURRENT ISSUE

1.0

2.0

3.0

The Forcing Geodetic Cototal Domination Number of a Graph

S. L. Sumi¹

V. Mary Gleeta²

J. Befija Minnie³

Abstract

Let S be a geodetic cototal domination set of G . A subset $T \subseteq S$ is called a forcing subset for S if S is the unique minimum geodetic cototal domination set containing T . The minimum cardinality T is the forcing geodetic cototal domination number of S is denoted by $f_{\gamma_{gct}}(S)$, is the cardinality of a minimum forcing subset of S . The forcing geodetic cototal domination number of G , denoted by $f_{\gamma_{gct}}(G)$, is $f_{\gamma_{gct}}(G) = \min\{f_{\gamma_{gct}}(S)\}$, where the minimum is taken over all γ_{gct} -sets S in G . Some general properties satisfied by this concept are studied. It is shown that for every pair a, b of integers with $0 \leq a < b, b \geq 2$, there exists a connected graph G such that $f_{\gamma_{gct}}(G) = a$ and $\gamma_{gct}(G) = b$. where $\gamma_{gct}(G)$ is the geodetic cototal dominating number of G .

Keywords: geodetic set, cototal dominating set, geodetic cototal dominating set, geodetic cototal domination number, forcing geodetic cototal domination number.

AMS Subject Classification: 05C12, 05C69⁴

¹Research Scholar, Register No.20123042092007, Department of Mathematics, Holy Cross College (Autonomous), Nagercoil - 629004, Affiliated by Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627 012, Tamil Nadu, India. sumikrish123@gmail.com.

²Assistant Professor, Department of Mathematics, T.D.M.N.S College, T. Kallikulam - 627 113, Affiliated by Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627 012, Tamil Nadu, India. gleetass@gmail.com.

³Assistant Professor, Department of Mathematics, Holy Cross College (Autonomous), Nagercoil - 629004, Affiliated by Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627 012, Tamil Nadu, India, Mail Id: befija@gmail.com

⁴Received on June 11th, 2022. Accepted on Sep 9th, 2022. Published on Nov 30th, 2022. doi: 10.23755/rm.v44i0.895. ISSN: 1592-7415. eISSN: 2282-8214. ©The Authors. This paper is published under the CC-BY licence agreement





Source details

Journal of the Indonesian Mathematical Society

Scopus coverage years: from 2019 to Present

Publisher: The Indonesian Mathematical Society

ISSN: 2086-8952 E-ISSN: 2460-0245

Subject area: Mathematics: General Mathematics

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#) [Source Homepage](#)

CiteScore 2022 ⓘ
0.8

SJR 2022 ⓘ
0.231

SNIP 2022 ⓘ
0.539

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

0.8 = $\frac{81 \text{ Citations 2019 - 2022}}{100 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

0.6 = $\frac{63 \text{ Citations to date}}{97 \text{ Documents to date}}$

Last updated on 08 November, 2023 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
General Mathematics	#300/387	22nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Refine Your Search Results

Journal of the Indonesian Mathematical S

Search

Sort By: Relevancy

Search Results

Found 2,057 results (Page 1)

Share These Results

Exact Match Found

JOURNAL OF THE INDONESIAN MATHEMATICAL SOCIETY

Publisher: **INDONESIAN MATHEMATICAL SOC ,
DEPT MATHEMATICS, INST
TEKNOLOGI BANDUNG, BANDUNG,
INDONESIA, 40132**

ISSN / eISSN: **2086-8952**

Web of Science Core Collection: **Emerging Sources Citation Index**

Share This Journal

View profile page

* Requires free login.

Other Possible Matches

BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY

Publisher: **AMER MATHEMATICAL SOC , 201
CHARLES ST, PROVIDENCE, USA, RI,
02940-2213**

ISSN / eISSN: **0273-0979 / 1088-9485**

Web of Science Core Collection: **Science Citation Index Expanded**



Journal of the Indonesian Mathematical Society (JIMS) :

Journal of the Indonesian Mathematical Society (JIMS) is a publication of the Indonesian Mathematical Society (IndoMS). It publishes original research contributions of broad interest on hot topics, from distinguished mathematicians from across the world. The Journal provides a platform for present research in most areas of mathematics.



Journal Description

Journal title : Journal of The Indonesian Mathematical Society

Initials : JIMS

Abbreviation : J. Indones. Math. Soc.

Frequency : 3 issues per year (March, July, and November)

DOI prefix : 10.22342 (<https://search.crossref.org/?q=2086-8952>) by Crossref

ISSN : 2086-8952 (<http://u.lipi.go.id/1274193789>) (p) | 2460-0245 (<http://u.lipi.go.id/1432110804>) (e)

Editor-in-chief : Indah Emilia Wijayanti (<https://www.scopus.com/authid/detail.uri?authorId=16053675900>)

Executive Editor : Fajar Adi Kusumo (<https://www.scopus.com/authid/detail.uri?authorId=24480624100>)

Managing Editor : Hazrul Iswadi (<https://www.scopus.com/authid/detail.uri?authorId=57050754900>)

Journal Rank : CiteScore (<https://www.scopus.com/sourceid/21101064980>) - Q4 (*General Mathematics*) & JCI (https://mjl.clarivate.com/search-results?issn=2086-8952&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal) - Q4 (*Mathematics*)

Publishing Model : Open Access, Author(s) Pay (<http://jims-a.org/index.php/jimsa/apc>)

Publisher : The Indonesian Mathematical Society (<https://indoms.id/en/home/>)



(<http://sinta2.ristekdikti.go.id/journals/detail?id=3739>)

(<https://www.scopus.com/sourceid/21101064980?origin=resultslist>)



(<http://mjl.clarivate.com/cgi-bin/jmlst/jresults.cgi?PC=MASTER&ISSN=2086-8952>)



(<https://zbmath.org/journals/?s=0&q=journal+of+the+indones>)



(<https://scholar.google.co.id/citations?hl=id&btnA=1&authorid=15123057491121882332&authuser=2&user=1xyTLLUAAAAJ>)

MAKE SUBMISSION

(<https://jims-a.org/index.php/jimsa/about/submissions>)

Article Template



(<https://drive.google.com/file/d/1XFfn39uKjkSUJ2TVvotGgge8PSkCSFVbc/view?usp=sharing>)

Focus & scopes

(<https://jims-a.org/index.php/jimsa/FS>)

Withdrawal of Manuscripts

(<https://jims-a.org/index.php/jimsa/WoM>)

Peer Review Process

(<https://jims-a.org/index.php/jimsa/PRP>)

Publication Frequency

(<https://jims-a.org/index.php/jimsa/PF>)

Open Access Policy

(<https://jims-a.org/index.php/jimsa/OAP>)

Editorial Team

(<https://jims-a.org/index.php/jimsa/about/editorialTeam>)



k -PRODUCT CORDIAL BEHAVIOUR OF UNION OF GRAPHS

K. JEYA DAISY¹, R. SANTRIN SABIBHA², P. JEYANTHI³,
AND MAGED Z. YOUSSEF^{4,5}

¹Department of Mathematics, Holy Cross College, Nagercoil, Tamilnadu, India, jeyadaisy@yahoo.com

²Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India, sanithazhi@gmail.com

³ Research Centre, Department of Mathematics, Govindammal Aditanar College for Women, Tiruchendur 628215, Tamilnadu, India, jeyajeyanthi@rediffmail.com

⁴Department of Mathematics, Ain Shams University, Abbassia, Cairo, Egypt

⁵Department of Mathematics and Statistics, College of Science, Imam Mohammad Ibn Saud Islamic University, Riyadh 11623, Saudi Arabia, mzyoussef11566@yahoo.com

Abstract. Let f be a map from $V(G)$ to $\{0, 1, \dots, k-1\}$ where k is an integer, $1 \leq k \leq |V(G)|$. For each edge uv assign the label $f(u)f(v) \pmod k$. f is called a k -product cordial labeling if $|v_f(i) - v_f(j)| \leq 1$, and $|e_f(i) - e_f(j)| \leq 1$, $i, j \in \{0, 1, \dots, k-1\}$, where $v_f(x)$ and $e_f(x)$ denote the number of vertices and edges respectively labeled with x ($x = 0, 1, \dots, k-1$). In this paper, we investigate the k -product cordial behaviour of union of graphs.

Key words and Phrases: cordial labeling, product cordial labeling, k -product cordial labeling

1. INTRODUCTION

While studying graph theory, one that has gained a lot of popularity during the last 60 years is the concept of labelings of graphs due to its wide range of applications. Labeling is a function that allocates the elements of a graph to real numbers, usually positive integers. In 1967, Rosa [10] published a pioneering paper on graph labeling problems. Thereafter, many types of graph labeling techniques have been studied by several authors. Gallian [2] in his survey beautifully classified them into graceful labeling and harmonious labelings, variations of graceful

2020 Mathematics Subject Classification: 05C78

Received: 07-07-2021, accepted: 05-03-2022.





Source details

South East Asian Journal of Mathematics and Mathematical Sciences

Scopus coverage years: from 2019 to Present

Publisher: Ramanujan Society of Mathematics and Mathematical Sciences

ISSN: 0972-7752 E-ISSN: 2582-0850

Subject area: [Mathematics: Algebra and Number Theory](#) [Mathematics: Applied Mathematics](#) [Mathematics: Analysis](#)
[Mathematics: Discrete Mathematics and Combinatorics](#) [Mathematics: Computational Mathematics](#)

Source type: Journal

CiteScore 2022 ⓘ
0.2

SJR 2022 ⓘ
0.133

SNIP 2022 ⓘ
0.152

[View all documents >](#) [Set document alert](#) [Save to source list](#) [Source Homepage](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

0.2 = $\frac{64 \text{ Citations 2019 - 2022}}{340 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

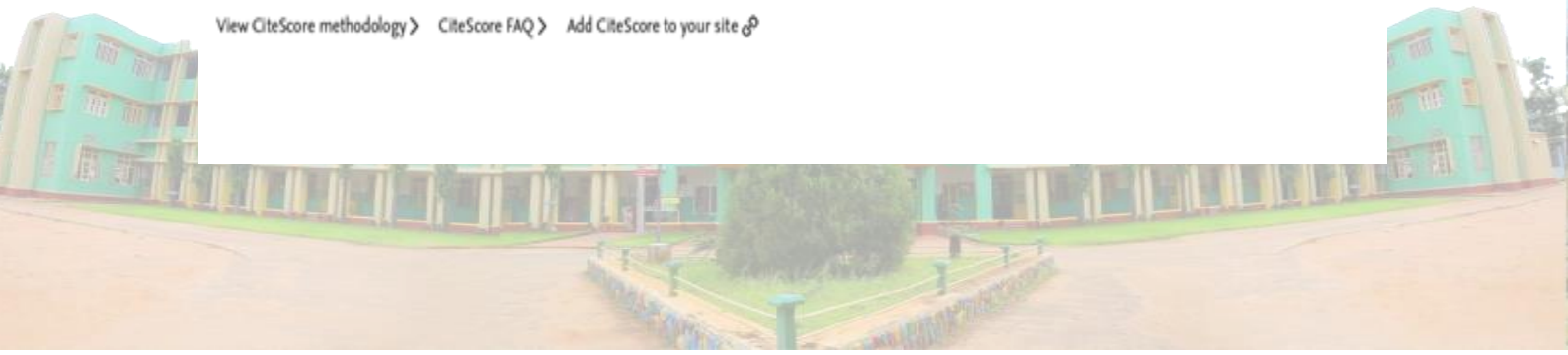
0.3 = $\frac{112 \text{ Citations to date}}{365 \text{ Documents to date}}$

Last updated on 08 November, 2023 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
Algebra and Number Theory	#114/117	2nd
Mathematics		
Applied Mathematics	#597/609	2nd
Mathematics		
Analysis	#184/187	1st

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Back to nsmams.org Feedback Contact Us

 **South East Asian Journal of Mathematics and Mathematical Sciences**
PRINT ISSN : 0972-7752 ONLINE ISSN : 2582-0850

HOME ARTICLES - EDITORIAL BOARD - SUBMIT A PAPER GUIDELINES CALL FOR PAPERS FOR AUTHORS
POLICY - CONTACT US

South East Asian Journal of Mathematics and Mathematical Sciences > home

HOME



It is an internationally reputed Research Journal South East Asian Journal of Mathematics and Mathematical Sciences published by the Ramanujan Society of Mathematics and Mathematical Sciences. The Journal is Indexed in Scopus. It may be noted all Scopus Indexed journals are part of UGC-CARE list Group II.

For authors willing to submit papers:
Check the [Call for Papers](#) for details regarding submission.
Please read the [Guidelines](#) carefully before you submit.
[Submit your Paper](#) following the regulatory Guidelines.

Details of Publication

The Journal is published one volume of three numbers of issue in each year.

Subscription rates: [Subscription Rates PDF file](#)
[Contact Us](#) if you are interested in the subscription of this publication.

News & Events

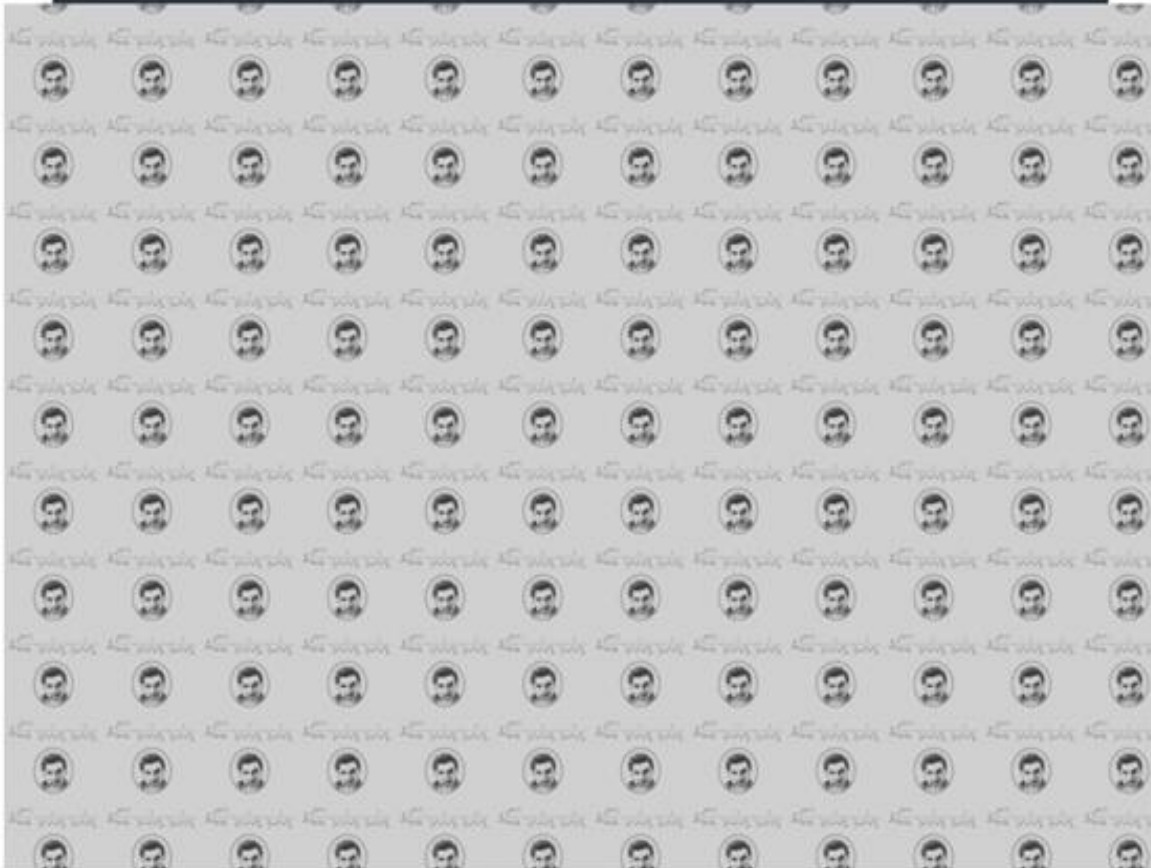
Submission method of article through new website of journal

National Council for Science & Technology Communication (RASHTRIYA VIGYAN EVAM PRODYOGIJI SANCHAR PARISHAD) Department of Science and Technology sponsored workshop during November 15-19, 2023

Published issue of Journal of Ramanujan Society of Mathematics and Mathematical

Copyright 2014 Powered by Ramanujan Society of Mathematics and Mathematical Sciences. All Rights Reserved.
Design By : Hyper Net Solutions

Total View : Visitor Counter



South East Asian J. of Mathematics and Mathematical Sciences
Vol. 18, No. 1 (2022), pp. 397-408

ISSN (Online): 2582-0850

ISSN (Print): 0972-7752

THE CHROMATIC DETOUR NUMBER OF A GRAPH

R. Suganya and V. Sujin Flower

Department of Mathematics,
Holy Cross College (Autonomous),
Nagercoil - 629004, Tamil Nadu, INDIA

E-mail : suganya.maths34@gmail.com, sujinflower@gmail.com

(Received: May 18, 2021 Accepted: Apr. 14, 2022 Published: Apr. 30, 2022)

Abstract: A set $S \subseteq V(G)$ is called a chromatic detour set of G if S is both a chromatic set and a detour set of G . The minimum cardinality of a chromatic detour set of G is called a chromatic detour number of G and is denoted by $\chi_{dn}(G)$. Some of its general properties are studied. Connected graphs of order $n \geq 2$ with chromatic detour number n or $n - 1$ are characterized. It is shown that for every positive integer a and b with $2 \leq a < b$, there exists a connected graph G such that $dn(G) = a$ and $\chi_{dn}(G) = b$. It is also shown that for every positive integers a and b with $2 \leq a \leq b$, there exists a connected graph G such that $\chi(G) = a$ and $\chi_{dn}(G) = b$.

Keywords and Phrases: Chromatic detour number, chromatic number, detour number.

2020 Mathematics Subject Classification: 05C12, 05C15.

1. Introduction

Throughout this paper all graphs are simple. Let $G = (V, E)$ be a graph with $V(G)$ is the vertex set of G and $E(G)$ is the edge set of G . For basic graph theoretic terminology, we refer to [2]. In a connected graph G , for any two vertices $u, v \in V(G)$, let $d_G(u, v)$ denote the length of the shortest path between u and v in G . The *diameter* of graph is the maximum distance between the pair of vertices of G . The *subgraph induced* by a set S of vertices of a graph G is denoted by $G[S]$ with $V(G[S]) = S$ and $E(G[S]) = \{uv \in E(G) : u, v \in S\}$. A set $S \subset V$ is called



Source details

Journal of the Indonesian Mathematical Society

Scopus coverage years: from 2019 to Present

Publisher: The Indonesian Mathematical Society

ISSN: 2086-8952 E-ISSN: 2460-0245

Subject area: Mathematics: General Mathematics

Source type: Journal

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)
- [Source Homepage](#)

CiteScore 2022 ⓘ
0.8

SJR 2022 ⓘ
0.231

SNIP 2022 ⓘ
0.539

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

0.8 = $\frac{81 \text{ Citations 2019 - 2022}}{100 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

0.6 = $\frac{63 \text{ Citations to date}}{97 \text{ Documents to date}}$

Last updated on 08 November, 2023 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
└ General Mathematics	#300/387	22nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site 🌐](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Refine Your Search Results

Journal of the Indonesian Mathematical S

Search

Sort By: Relevancy

Search Results

Found 2,057 results (Page 1)

Share These Results

Exact Match Found

JOURNAL OF THE INDONESIAN MATHEMATICAL SOCIETY

Publisher: **INDONESIAN MATHEMATICAL SOC , DEPT MATHEMATICS, INST TEKNOLOGI BANDUNG, BANDUNG, INDONESIA, 40132**

ISSN / eISSN: **2086-8952**

Web of Science Core Collection: **Emerging Sources Citation Index**

Share This Journal

View profile page

* Requires free login.

Other Possible Matches

BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY

Publisher: **AMER MATHEMATICAL SOC , 201 CHARLES ST, PROVIDENCE, USA, RI, 02940-2213**

ISSN / eISSN: **0273-0979 / 1088-9485**

Web of Science Core Collection: **Science Citation Index Expanded**



Journal of the Indonesian Mathematical Society (JIMS) :

Journal of the Indonesian Mathematical Society (JIMS) is a publication of the Indonesian Mathematical Society (IndoMS). It publishes original research contributions of broad interest on hot topics, from distinguished mathematicians from across the world. The Journal provides a platform for present research in most areas of mathematics.



Journal Description

Journal title : Journal of The Indonesian Mathematical Society

Initials : JIMS

Abbreviation : J. Indones. Math. Soc.

Frequency : 3 issues per year (March, July, and November)

DOI prefix : 10.22342 (<https://search.crossref.org/?q=2086-8952>) by  Crossref

ISSN : 2086-8952 (<http://u.lipi.go.id/1274193789>) (p) | 2460-0245 (<http://u.lipi.go.id/1432110804>) (e)

Editor-in-chief : Indah Emilia Wijayanti (<https://www.scopus.com/authid/detail.uri?authorid=16053675900>)

Executive Editor : Fajar Adi Kusumo (<https://www.scopus.com/authid/detail.uri?authorid=24480624100>)

Managing Editor : Hazrul Iswadi (<https://www.scopus.com/authid/detail.uri?authorid=57050754900>)

Journal Rank : CiteScore (<https://www.scopus.com/sourceid/21101064980>) - Q4 (*General Mathematics*) & JCI (https://mjl.clarivate.com/search-results?issn=2086-8952&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal) - Q4 (*Mathematics*)

Publishing Model : Open Access, Author(s) Pay (<http://jims-a.org/index.php/jimsa/apc>)

Publisher : The Indonesian Mathematical Society (<https://indoms.id/en/home/>)

MAKE SUBMISSION

(<https://jims-a.org/index.php/jimsa/about/submissions>)

Article Template



(<https://drive.google.com/file/d/1XFfn39uKjkSUJ2TVvoIGgge8PSkCSFVBc/view?usp=sharing>)

- Focus & scopes (<https://jims-a.org/index.php/jimsa/FS>)
- Withdrawal of Manuscripts (<https://jims-a.org/index.php/jimsa/WoM>)
- Peer Review Process (<https://jims-a.org/index.php/jimsa/PRP>)
- Publication Frequency (<https://jims-a.org/index.php/jimsa/PF>)
- Open Access Policy (<https://jims-a.org/index.php/jimsa/OAP>)
- Editorial Team (<https://jims-a.org/index.php/jimsa/about/editorialTeam>)



(<http://sinta2.ristekdikti.go.id/journals/detail?id=3739>)



(<https://www.scopus.com/sourceid/21101064980?origin=resultslist>)



(<http://mjl.clarivate.com/cgi-bin/jmlst/jresults.cg?PC=MASTER&ISSN=2086-8952>)



(<https://zbmath.org/journals/?s=0&q=journal+of+the+indones>)



(<https://scholar.google.co.id/citations?hl=id&btnA=1&authorid=15123057491121882332&authuser=2&user=1xyTLUAAAAJ>)



SUPER EDGE CONNECTIVITY NUMBER OF AN ARITHMETICS GRAPH

SUJITHA, S.¹, MARY JENITHA, L.²

¹Department of Mathematics, Holy Cross College (Autonomous),
Nagercoll, India.

sujitha.s@holycrossngl.edu.in

²Department of Mathematics, Manonmaniam Sundaranar University,
Abishekapatti, Tirunelveli, Tamilnadu, India.

jeni.mathematics@gmail.com

Abstract. An edge subset F of a connected graph G is a super edge cut if $G - F$ is disconnected and every component of $G - F$ has atleast two vertices. The minimum cardinality of super edge cut is called super edge connectivity number and it is denoted by $\lambda'(G)$. Every arithmetic graph $G = V_n$, $n \neq p_1 \times p_2$ has super edge cut. In this paper, the authors study super edge connectivity number of an arithmetic graphs $G = V_n$, $n = p_1^{a_1} \times p_2^{a_2}$, $a_1 > 1, a_2 \geq 1$ and $G = V_n$, $n = p_1^{a_1} \times p_2^{a_2} \times \dots \times p_r^{a_r}$, $r > 2, a_i \geq 1, 1 \leq i \leq r$.

Key words and Phrases: arithmetic graph, super edge cut, super edge connectivity number.

1. INTRODUCTION

Theorem 1.1. [5] For an arithmetic graph $G = V_n$, $n = p_1^{a_1} \times p_2^{a_2}$ where p_1 and p_2 are distinct primes, $a_1, a_2 \geq 1$ then $\epsilon = 4a_1a_2 - a_1 - a_2$, where ϵ is the size of the graph G .

Theorem 1.2. [5] For an arithmetic graph $G = V_n$, $n = p_1^{a_1} \times p_2^{a_2}$ where p_1 and p_2 are distinct primes, $a_1, a_2 \geq 1$ then G is a bipartite graph.

Theorem 1.3. [5] Let $G = V_n$ an arithmetic graph $n = p_1^{a_1} \times p_2^{a_2} \times \dots \times p_r^{a_r}$, for any vertex $u = \prod \lim_{i \in B} p_i^{a_i}$ where $B \subseteq \{1, 2, 3, \dots, r\}$, $1 \leq a_i \leq a_i \forall i \in B$.

(1) If $u = p_j$ where $j \in \{1, 2, 3, \dots, r\}$, then

$$\deg(u) = \left[a_j \prod_{i=1, i \neq j}^r \lim_{i \neq j} (a_i + 1) - 1 \right] - |a_j - 1|.$$

2020 Mathematics Subject Classification: 05C40.

Received: 27-07-2021, accepted: 16-03-2022.



Source details

Graphs and Combinatorics

Scopus coverage years: from 1985 to Present

Publisher: Springer Nature

ISSN: 0911-0119 E-ISSN: 1435-5914

Subject area: Mathematics: Discrete Mathematics and Combinatorics Mathematics: Theoretical Computer Science

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
0.9

SJR 2022 ⓘ
0.642

SNIP 2022 ⓘ
0.991

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.9 = \frac{528 \text{ Citations 2019 - 2022}}{591 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$1.0 = \frac{614 \text{ Citations to date}}{606 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
Discrete Mathematics and Combinatorics	#65/89	27th
Mathematics		
Theoretical Computer Science	#119/127	6th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage ▼
- Open Access ▼
- Category ▼
- Country / Region ▼
- Language ▼
- Frequency ▼
- Journal Citation Reports ▼

Refine Your Search Results

Graphs and Combinatorics [Search](#)

Sort By: Relevancy ▼

Search Results

Found 34 results (Page 1) [Share These Results](#)

Exact Match Found

GRAPHS AND COMBINATORICS

Publisher: SPRINGER JAPAN KK, SHIROYAMA TRUST TOWER 5F, 4-3-1 TORANOMON, MINATO-KU, TOKYO, JAPAN, 105-6005

ISSN / eISSN: 0911-0119 / 1435-5914

Web of Science Core Collection: Science Citation Index Expanded

Additional Web of Science Indexes: Essential Science Indicators

[Share This Journal](#) [View profile page](#)

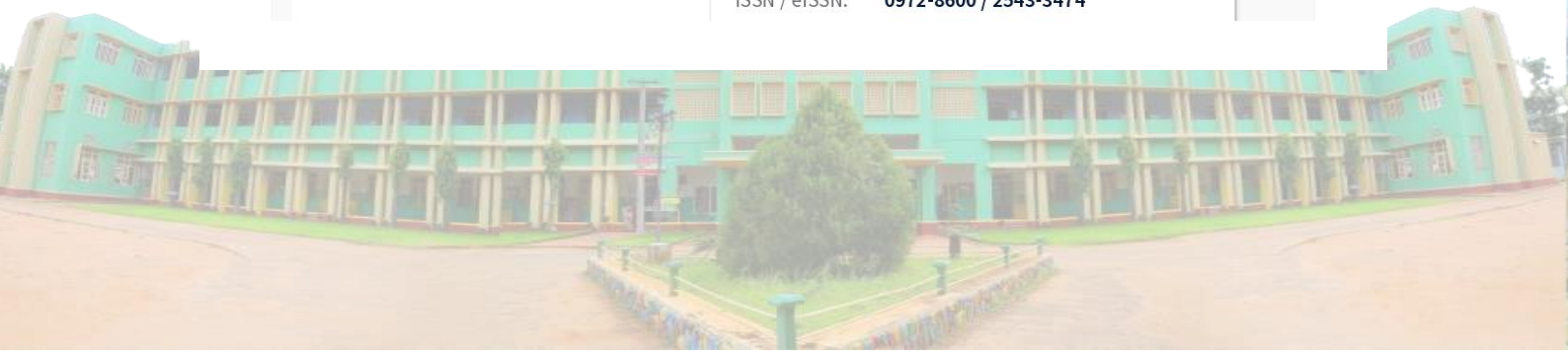
* Requires free login.

Other Possible Matches

AKCE INTERNATIONAL JOURNAL OF GRAPHS AND COMBINATORICS OPEN ACCESS

Publisher: TAYLOR & FRANCIS LTD, 2-4 PARK SQUARE, MILTON PARK, ABINGDON, England, OXON, OX14 4RN

ISSN / eISSN: 0972-8600 / 2543-3474



SPRINGER LINK

Log in

Menu

Search

Cart

[Home](#) > Graphs and Combinatorics

Springer

Graphs and Combinatorics

Publishing model

Hybrid

[Submit your manuscript](#) [Editorial board](#)[Aims and scope](#)[Journal updates](#)

Overview

Graphs and Combinatorics is an international journal, which was established in 1985.

It is devoted to research concerning all aspects of combinatorial mathematics, especially graph theory and discrete geometry. In addition to original research papers, the journal also publishes one major survey article each year. Notable survey articles include

- Ronald J. Gould, Advances on the Hamiltonian Problem – A Survey (2003)
- Bert Randerath and Ingo Schiermeyer, Vertex Colouring and Forbidden Subgraphs – A

Loading [MathJax]/jax/output/HTML-CSS/config.js



On the Forcing Domination and the Forcing Total Domination Numbers of a Graph

J. John¹ · V. Sujin Flower²

Received: 16 July 2019 / Revised: 21 June 2022 / Accepted: 24 June 2022 /
 Published online: 14 August 2022

This is a U.S. Government work and not under copyright protection in the US; foreign copyright protection may apply 2022

Abstract

Let G be a connected graph with at least two vertices and S a γ_t -set of G . A subset $T \subseteq S$ is called a *forcing subset* for S if S is the unique γ_t -set containing T . The *forcing total domination number* of S , denoted by $f_{\gamma_t}(S)$, is the cardinality of a minimum forcing subset of S . The *forcing total domination number* of G , denoted by $f_{\gamma_t}(G)$ is defined by $f_{\gamma_t}(G) = \min \{f_{\gamma_t}(S)\}$, where the minimum is taken over all minimum total dominating sets S in G . Some general properties satisfied by this concepts are studied. The forcing total dominating number of certain standard graphs are determined. It is shown that for every pair a, b of integers with $0 \leq a < b$ and $b \geq 1$, there exists a connected graph G such that $f_{\gamma_t}(G) = a$ and $\gamma_t(G) = b$, where $\gamma_t(G)$ is total domination number of G . It is also shown that for every pair a, b of integers with $a \geq 0$ and $b \geq 0$, there exists a connected graph G such that $f_{\gamma_t}(G) = a$ and $f_{\gamma}(G) = b$, where $f_{\gamma}(G)$ is the forcing domination number of G .

Keywords Domination number · Total domination number · Forcing domination number · Forcing total domination number

Mathematics Subject Classification 05C69

✉ J. John
john@gcetly.ac.in

V. Sujin Flower
sujinflower@gmail.com

¹ Department of Mathematics, Government College of Engineering, Tirunelveli 627 007, India

² Department of Mathematics, Holy Cross College (Autonomous), Nagercoil 629 004, India





Source details

South East Asian Journal of Mathematics and Mathematical Sciences

Scopus coverage years: from 2019 to Present

Publisher: Ramanujan Society of Mathematics and Mathematical Sciences

ISSN: 0972-7752 E-ISSN: 2582-0850

Subject area: [Mathematics: Algebra and Number Theory](#) [Mathematics: Applied Mathematics](#) [Mathematics: Analysis](#)
[Mathematics: Discrete Mathematics and Combinatorics](#) [Mathematics: Computational Mathematics](#)

Source type: Journal

CiteScore 2022
0.2

SJR 2022
0.133

SNIP 2022
0.152

[View all documents >](#) [Set document alert](#) [Save to source list](#) [Source Homepage](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ×

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.2 = \frac{64 \text{ Citations 2019 - 2022}}{340 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 Ⓞ

$$0.3 = \frac{112 \text{ Citations to date}}{365 \text{ Documents to date}}$$

Last updated on 08 November, 2023 • Updated monthly


CiteScore rank 2022 Ⓞ

Category	Rank	Percentile
Mathematics		
Algebra and Number Theory	#114/117	2nd
Mathematics		
Applied Mathematics	#597/609	2nd
Mathematics		
Analysis	#184/187	1st

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



[Back to rsmams.org](#)
[Feedback](#)
[Contact Us](#)



South East Asian Journal of Mathematics and Mathematical Sciences
 PRINT ISSN : 0972-7752 | ONLINE ISSN : 2582-0850

[HOME](#)
[ARTICLES -](#)
[EDITORIAL BOARD -](#)
[SUBMIT A PAPER](#)
[GUIDELINES](#)
[CALL FOR PAPERS](#)
[FOR AUTHORS](#)

[POLICY -](#)
[CONTACT US](#)

South East Asian Journal of Mathematics and Mathematical Sciences > Home

HOME



It is an internationally reputed Research Journal South East Asian Journal of Mathematics and Mathematical Sciences published by the Ramanujan Society of Mathematics and Mathematical Sciences. The Journal is Indexed in Scopus. It may be noted all Scopus Indexed journals are part of UGC-CARE list Group II.

For authors willing to submit papers:
 Check the [Call for Papers](#) for details regarding submission.
 Please read the [Guidelines](#) carefully before you submit.
[Submit your Paper](#) following the regulatory Guidelines.

Details of Publication

The Journal is published one volume of three numbers of issue in each year.

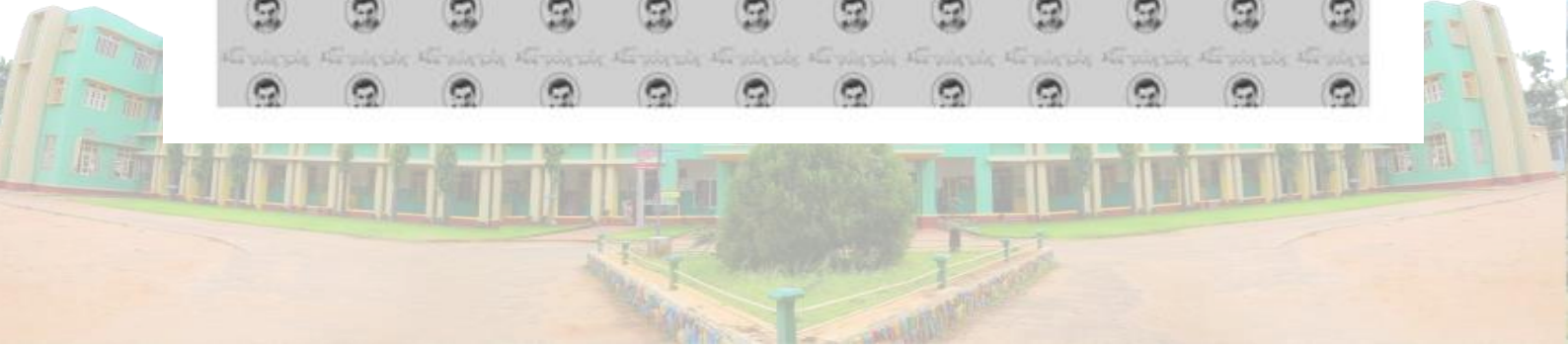
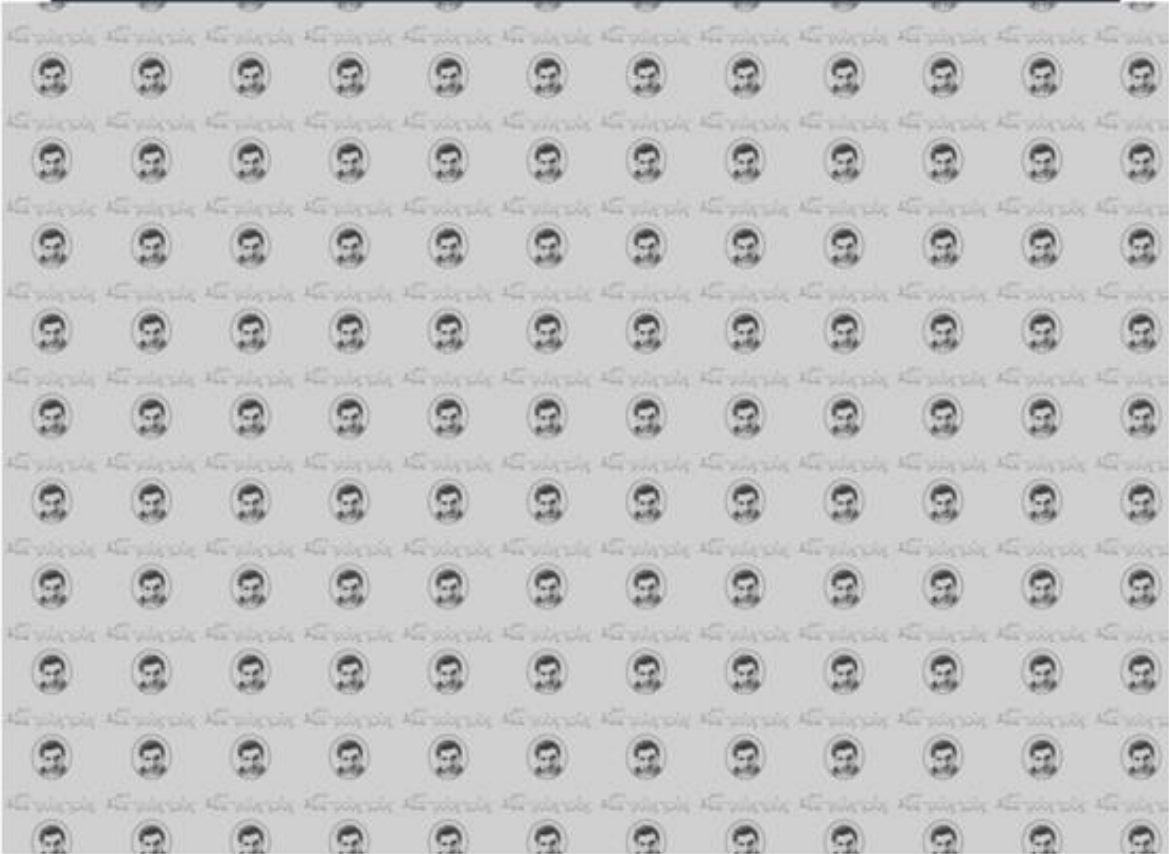
Subscription rates: [Subscription Rates PDF file](#)
[Contact Us](#) if you are interested in the subscription of this publication.

News & Events

Submission method of article through new website of journal

National Council for Science & Technology Communication (RASHTRIYA VIGYAN EVAM PRODYOGIKI SANCHAR PARISHAD) Department of Science and Technology sponsored workshop during November 15-19, 2023

Published issue of Journal of Ramanujan Society of Mathematics and Mathematical



South East Asian J. of Mathematics and Mathematical Sciences
Vol. 19, Proceedings (2022), pp. 25-34

ISSN (Online): 2582-0850

ISSN (Print): 0972-7752

RANDIC MATRIX AND ENERGY OF A T_2 HYPERGRAPH

S. Sujitha, D. Sharmila* and Angel Jebitha M. K.

Department of Mathematics,
Holy Cross College (Autonomous),
Nagercoil, Kanyakumari - 629004, Tamil Nadu, INDIA

E-mail : sujitha.s@holycrossngl.edu.in, angeljebitha@holycrossngl.edu.in

*Department of Mathematics,
Manonmaniam Sundaranar University,
Abishekapati, Tirunelveli - 627012, Tamil Nadu, INDIA

E-mail : sharmilareegan10@gmail.com

(Received: Apr. 20, 2022 Accepted: May 27, 2022 Published: Jun. 30, 2022)

Special Issue

Proceedings of International Virtual Conference on
“Recent Trends in Applied Mathematics, ICRTAM - 2022”

Abstract: Let H be a T_2 hypergraph of order $n > 3$. The Randic matrix of H , denoted by $R(H)$ is defined as the square matrix of order n , whose $(i, j)^{th}$ entry is $\frac{1}{\sqrt{d_i d_j}}$ if v_i and v_j are adjacent and zero for other cases. The Randic energy $RE(H)$ of H is the sum of the absolute values of the eigenvalues of $R(H)$. It is shown that, for a T_2 hypergraph $RE(H) < \sqrt{\frac{n^3 + 7n^2 + 11n}{16}}$.

Keywords and Phrases: T_2 hypergraph, Randic matrix, Randic energy.

2020 Mathematics Subject Classification: 05C65, 05C50.

1. Introduction

The basic definitions and terminologies of a hypergraph are not given here and we refer it [1] and [18]. The concept of hypergraph was introduced by Berge in 1967. In 2017, Seena V. and Raji Pilakkat were introduced Hausdroff hypergraph, T_0 hypergraph and T_1 hypergraph. Based on [13] and [14] S. Sujitha and D. Sharmila





Source details

Jordan Journal of Mathematics and Statistics

Scopus coverage years: from 2018 to Present

Publisher: Yarmouk University

ISSN: 2075-7905 E-ISSN: 2227-5487

Subject area: Mathematics: Mathematics (miscellaneous) Mathematics: Applied Mathematics
Mathematics: Statistics and Probability

Source type: Journal

[View all documents >](#)

[Set document alert](#)

[Save to source list](#) [Source Homepage](#)

CiteScore 2022 ⓘ
0.6

SJR 2022 ⓘ
0.163

SNIP 2022 ⓘ
0.670

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

Improved CiteScore methodology ×

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▾

$$0.6 = \frac{88 \text{ Citations 2019 - 2022}}{156 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.6 = \frac{111 \text{ Citations to date}}{189 \text{ Documents to date}}$$

Last updated on 08 November, 2023 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
Mathematics (miscellaneous)	#56/74	25th
Mathematics		
Applied Mathematics	#550/609	9th
Mathematics		
Statistics and Probability	#240/262	8th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Refine Your Search Results

2075-7905

Search

Sort By: Title (A-Z)

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Search Results

Found 1 results (Page 1)

Share These Results

Exact Match Found

JORDAN JOURNAL OF MATHEMATICS AND STATISTICS

Publisher: YARMOUK UNIV, DEANSHIP RESEARCH & GRADUATE STUDIES, C/O PROF IBRAHIM O ABU AL-JARAYESH, EIC, IRBID, JORDAN, 00000

ISSN / eISSN: 2075-7905 / 2227-5487

Web of Science Core Collection: Emerging Sources Citation Index


Share This Journal

View profile page

* Requires free login.

1 - 1 of 1

Items per page: 10



جامعة اليرموك
Yarmouk University

Jordan Journal of Mathematics and Statistics
An International Refereed Research Journal

[Home Page](#)
[Author Index](#)
[Reviewer Index](#)
[Editorial Index](#)

JJMS » Home Page

Jordanian Journals

[Home](#)

[Editorial Board](#)

- Editors

- Associate Editorial Board

[Advisory Board](#)

[Forthcoming Papers](#)

[Latest Issue](#)

[Back Issues](#)

[Publication Ethics](#)

[Manuscript Organization](#)

[Electronic Submission](#)

[Electronic Online Submission](#)

[Contact Address](#)

[Arabic WebSite](#)


The Jordanian Journal of Mathematics and Statistics (JJMS) is an International Peer-Reviewed Research Journal issued quarterly by the Deanship of Research and Graduate Studies, Yarmouk University, Irbid, Jordan.

It is funded by the Scientific Research Support Fund, Ministry of Higher Education and Scientific Research, Amman, Jordan.

- * (JJMS) is indexed in [Scopus](#).
- * (JJMS) is indexed in Emerging Sources Citation Index (ESCI).
- * (JJMS) is indexed in Ulrich's Periodical Directory.
- * (JJMS) is indexed in Zentralblatt Math and American Mathematical Society.
- * (JJMS) is indexed in Crossref.


Aims and Scope

The JJMS endeavors to publish significant original research articles in all areas of Pure Mathematics, Applied Mathematics, Pure Statistics, Applied Statistics and other related areas. Survey papers and short communications will also be considered for publication.



P-ISSN 2075 -7905, E-ISSN 2227-5487

Last Issue



Volume 17 No.1, March 2024

Copyright © 2006-2009. All Rights Reserved, Yarmouk University



K-PRODUCT CORDIAL LABELING OF POWERS OF PATHS

K. JEYA DAISY⁽¹⁾, R. SANTRIN SABIBHA⁽²⁾, P. JEYANTHI⁽³⁾ AND MAGED Z. YOUSSEF⁽⁴⁾

ABSTRACT. Let f be a map from $V(G)$ to $\{0, 1, \dots, k-1\}$, where k is an integer and $1 \leq k \leq |V(G)|$. For each edge uv assign the label $f(u)f(v) \pmod k$. f is called a k -product cordial labeling if $|v_f(i) - v_f(j)| \leq 1$, and $|e_f(i) - e_f(j)| \leq 1$, $i, j \in \{0, 1, \dots, k-1\}$, where $v_f(x)$ and $e_f(x)$ denote the number of vertices and edges, respectively labeled with x ($x = 0, 1, \dots, k-1$). In this paper, we add some new results on k -product cordial labeling and prove that the graph P_n^2 is 4-product cordial. Further, we study the k -product cordial behaviour of powers of paths P_n^3 , P_n^4 and P_n^5 for $k = 3$ and 4.

1. INTRODUCTION AND TERMINOLOGY

All graphs considered here are simple, finite, connected and undirected. We follow the basic notations and terminology of graph theory as in [4]. The concepts of labeling of graph has gained a lot of popularity in the field of graph theory during the last 60 years due to its wide range of applications. Labeling is a function that allocates the elements of a graph to real numbers, usually positive integers. In 1967, Rosa [16] published a pioneering paper on graph labeling problems. Thereafter, many types of graph labeling techniques have been studied by several authors. All these labelings are beautifully classified by Gallian [3] in his survey. Cordial labeling is a weaker version of graceful and harmonious labeling was defined by Cahit [1]: Let f be a function from the vertices of G to $\{0, 1\}$ and for each edge xy assign the label $|f(x) - f(y)|$. f is called a cordial labeling of G if the number of vertices labeled 0 and the number of vertices labeled 1 differ by at most 1, and the number of edges

2010 *Mathematics Subject Classification.* 05C78.


Key words and phrases. cordial labeling, product cordial labeling, k -product cordial labeling, 3-product cordial labeling, 4-product cordial labeling.

Copyright © Deanship of Research and Graduate Studies, Yarmouk University, Irbid, Jordan.

Received: Jun. 8, 2021

Accepted: April 14, 2022 .





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

≡ UGC-CARE List

UGC-CARE List

You searched for "1927-5307". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Journal of Mathematical Computational Science	SCIK Publishing Corporation	1927-5307	NA	from June-2019 to April-2022	Discontinued from Scopus

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



Journal of Mathematical and Computational Science

USER

Username

Password

Remember me

[Reset Password](#)

Email

INFORMATION

- [For Authors](#)

JOURNAL CONTENT

Search

All v

Browse

- [By Issue](#)
- [By Author](#)
- [By Title](#)


Home
About
Table of Contents
Aims and Scope
Editorial Board

Publication Ethics
Editorial Workflow
Contact

Home > Vol 14 (2024)

Aims and Scope

Journal of mathematical and computational science (JMCS) is a peer-reviewed open access international journal, which is aimed to provide a publication forum for important research in different areas covering all aspects of mathematical and computational science, such as numerical analysis, optimization, linear and nonlinear programming, theory of computation, control theory, theory of algorithms, computational logic, applied combinatorics, coding theory, cryptographics, fuzzy theory, differential equations, algebra and number theory. This journal will accept high quality articles containing original research results and survey articles of exceptional merit.



ISSN: 1927-5307

Editorial Office: jmcs@scik.org

Editorial Policy

Papers submitted for publication in the journal must be correct, original, and nontrivial.

Copyright

By submitting a manuscript, the author acknowledges that:

It has not been previously published elsewhere, is original and has been written by the stated authors.

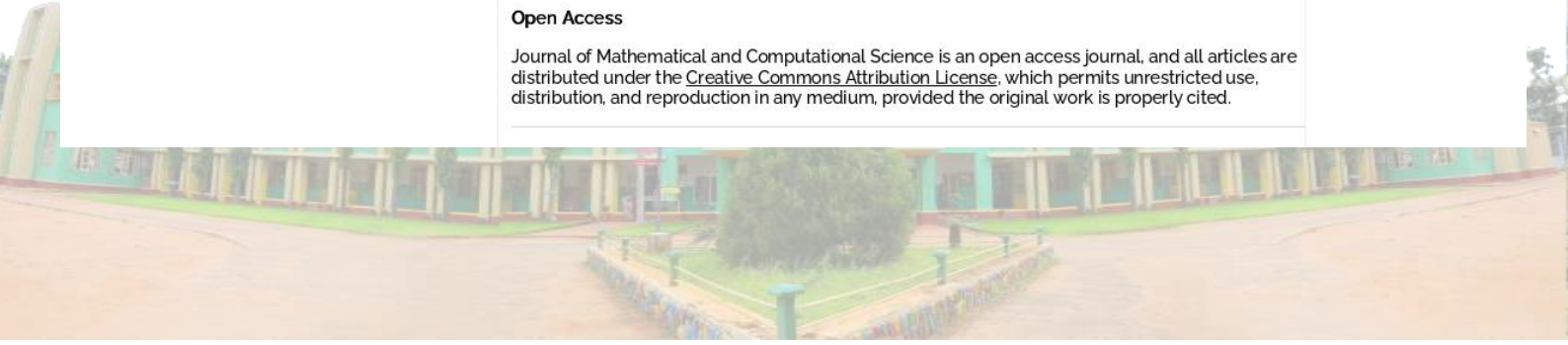
The article is not currently being considered for publication by any other journal and will not be submitted for such review while under review by this journal.

All authors have read the manuscript and agree to publish it.

The authors declare that there is no conflict of interests.

Open Access

Journal of Mathematical and Computational Science is an open access journal, and all articles are distributed under the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.





Available online at <http://scik.org>
 J. Math. Comput. Sci. 2022, 12:64
<https://doi.org/10.28919/jmcs/6977>
 ISSN: 1927-5307

COMPLEMENTARY CONNECTED DOMINATION AND CONNECTIVITY DOMINATION NUMBER OF AN ARITHMETIC GRAPH $G = V_n$

S. SUJITHA¹, L. MARY JENITHA^{2,*}, M.K. ANGEL JEBITHA¹

¹Department of Mathematics, Holy Cross College (Autonomous), Nagercoil, Tamilnadu, India

²Department of Mathematics, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamilnadu, India

Copyright © 2022 the author(s). This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract. A subset S of V is said to be a complementary connected dominating set if every vertex not in S is adjacent to some vertex in S and the sub graph induced by $V - S$ is connected. The complementary connected domination number of the graph is denoted by $\gamma_{ccd}(G)$ and is defined as the minimum number of vertices which form a ccd-set. A set S of vertices in a graph G is a *connectivity dominating set* if every vertex not in S is adjacent to some vertex in S and the sub graph induced by $V - S$ is not connected. The *connectivity domination number* $\kappa_\gamma(G)$ is the minimum size of such set.

Keywords: arithmetic graph; complementary connected dominating set; connectivity dominating set.

2010 AMS Subject Classification: 05C40.

1. INTRODUCTION


For notation and graph theory terminology not given here, we follow [1]. In [6] the super connectivity number of an arithmetic graph is studied by L. Mary Jenitha and S. Sujitha. In this paper connectivity domination and complementary connected domination number of an Arithmetic Graph $G = V_n$ is studied. The concept of complementary connected domination number was introduced by V.R.Kulli and B.Janakiram, they called this parameter as non-split domination

*Corresponding author

E-mail address: jeni.mathematics@gmail.com

Received November 10, 2021





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List


You searched for "0974-6803". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Advances and Applications in Mathematical Sciences	Mili Publications	0974-6803	NA	from June-2019 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next



Mili Publications

Home About Us Journals Contact Subscription

JOURNAL MENU

- Aims & Scope
- Editorial Board
- Contents
- Indexing/Abstracting
- Call for Submissions
- Author Guidelines
- Special Issue
- Submit Manuscript
- Publication Ethics and Malpractice Statement

MENU

- Home
- About Us
- Submission Guidelines
- Online Purchase
- Subscription
- Contact Us

ADVANCES AND APPLICATIONS IN MATHEMATICAL SCIENCES

AIMS & SCOPE

The **Advances and Applications in Mathematical Sciences** (ISSN 0974-6803) is a monthly journal. The AAMS's coverage extends across the whole of mathematical sciences and their applications in various disciplines, encompassing Pure and Applied Mathematics, Theoretical and Applied Statistics, Computer Science and Applications as well as new emerging applied areas. It publishes original research papers, review and survey articles in all areas of mathematical sciences and their applications within and outside the boundary.

Periodicity: This is a monthly journal which appears in twelve issues in a year.

[Contents](#) | [Indexing/Abstracting](#) | [Call for Submissions](#) | [Author Guidelines](#) | [Editorial Board](#)



DOMINATION UNIFORM SUBDIVISION NUMBER OF G^{***}

M. K. ANGEL JEBITHA¹, **T. BERJIN MAGIZHA²** and **S. SUJITHA³**

^{1,3}PG and Research Department of Mathematics
 Holy Cross College (Autonomous)
 Nagercoil, 629004, Tamil Nadu
 E-mail: angeljebitha@holycrossncl.edu.in
 sujitha.s@holycrossncl.edu.in

²Department of Humanities and Sciences
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil, 629 003, Tamil Nadu
 [Reg. No. 18233232092007, Manonmonia
 Sundaranar University, Tirunelveli]

Abstract

Let $G = (V, E)$ be a simple undirected graph. A subset D of $V(G)$ is said to be dominating set if every vertex of $V(G) - D$ is adjacent to at least one vertex in D . The minimum cardinality taken over all minimal dominating sets of G is the domination number of G and is denoted by $\gamma(G)$. The domination uniform subdivision number $usd_\gamma(G)$ is the least positive integer k such that the subdivision of any k edges from G results in a graph having domination number greater than that of G . In this paper, we characterize sd_γ -critical graphs on G^{***} . Also we determine bounds of $usd_\gamma(G^{***})$ according to the $diam(G)$.

1. Introduction

Let $G = (V, E)$ be a simple undirected graph of order n and size m . If $v \in V(G)$, then the neighborhood of v is the set $N_G(v)$ (or $N(v)$) consisting of all vertices u which are adjacent to v . The closed neighborhood is


2020 Mathematics Subject Classification: 05C69.

Keywords: domination, domination subdivision and domination uniform subdivision.

²Corresponding author: E-mail: berjin@sxcoe.edu.in

Received February 3, 2022; Accepted March 2, 2022





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "0974-6803". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Advances and Applications in Mathematical Sciences	Mili Publications	0974-6803	NA	from June-2019 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



Mili Publications

Home About Us Journals Contact Subscription

JOURNAL MENU

- Aims & Scope
- Editorial Board
- Contents
- Indexing/Abstracting
- Call for Submissions
- Author Guidelines
- Special Issue
- Submit Manuscript
- Publication Ethics and Malpractice Statement

MENU

- Home
- About Us
- Submission Guidelines
- Online Purchase
- Subscription
- Contact Us

ADVANCES AND APPLICATIONS IN MATHEMATICAL SCIENCES

AIMS & SCOPE

The **Advances and Applications in Mathematical Sciences** (ISSN 0974-6803) is a monthly journal. The AAMS's coverage extends across the whole of mathematical sciences and their applications in various disciplines, encompassing Pure and Applied Mathematics, Theoretical and Applied Statistics, Computer Science and Applications as well as new emerging applied areas. It publishes original research papers, review and survey articles in all areas of mathematical sciences and their applications within and outside the boundary.

Periodicity: This is a monthly journal which appears in twelve issues in a year.

[Contents](#) | [Indexing/Abstracting](#) | [Call for Submissions](#) | [Author Guidelines](#) | [Editorial Board](#)





THE FORCING STAR CHROMATIC NUMBER OF A GRAPH

R. SUGANYA and V. SUJIN FLOWER

¹Research Scholar-18223232092002

²Assistant Professor

Department of Mathematics

Holy Cross College (Autonomous)

Nagercoil-629 003

Affiliated to Manonmaniam Sundaranar

University, Abishekapatti

Tirunelveli - 627 012, Tamil Nadu, India

E-mail: suganya.maths34@gmail.com

sujinflower@gmail.com

Abstract

Let S be a χ_s -set of G . A subset $T \subseteq S$ is said to be a forcing subset for S if S is the unique χ_s -set containing T . The forcing star chromatic number $f_{\chi_s}(S)$ of S in G is the minimum cardinality of a forcing subset for S . The forcing star chromatic number $f_{\chi_s}(G)$ of G is the smallest forcing number of all χ_s -sets of G . Some general properties satisfied by this concept are studied. The forcing star chromatic number of some standard graphs are determined. Connected graphs of order $n \geq 2$ with star chromatic number 0 or 1 or $\chi_s(G)$ are characterized.

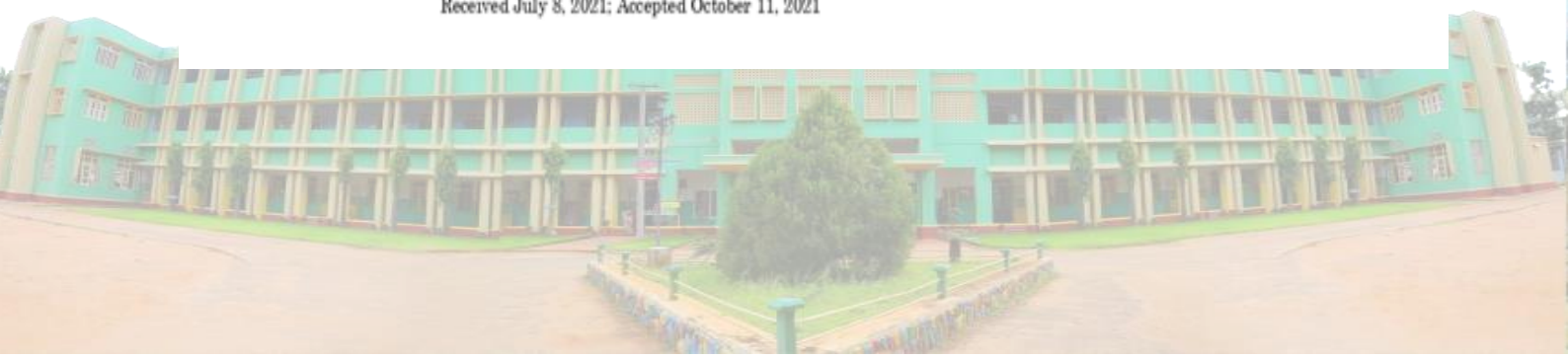
1. Introduction


By a graph $G = (V, E)$, we mean a finite, undirected connected graph without loops or multiple edges. The order and size of G are denoted by n and m respectively. For basic graph theoretic terminology, we refer to [1]. Two vertices u and v are said to be adjacent if uv is an edge of G . If $uv \in E(G)$,

2020 Mathematics Subject Classification: 05C15.

Keywords: Forcing star chromatic number, Star chromatic number, Chromatic number.

Received July 8, 2021; Accepted October 11, 2021





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List


You searched for "0974-6803". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Advances and Applications in Mathematical Sciences	Mili Publications	0974-6803	NA	from June-2019 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next



Mili Publications

Home About Us Journals Contact Subscription

JOURNAL MENU

- [Aims & Scope](#)
- [Editorial Board](#)
- [Contents](#)
- [Indexing/Abstracting](#)
- [Call for Submissions](#)
- [Author Guidelines](#)
- [Special Issue](#)
- [Submit Manuscript](#)
- [Publication Ethics and Malpractice Statement](#)

MENU

- [Home](#)
- [About Us](#)
- [Submission Guidelines](#)
- [Online Purchase](#)
- [Subscription](#)
- [Contact Us](#)

ADVANCES AND APPLICATIONS IN MATHEMATICAL SCIENCES

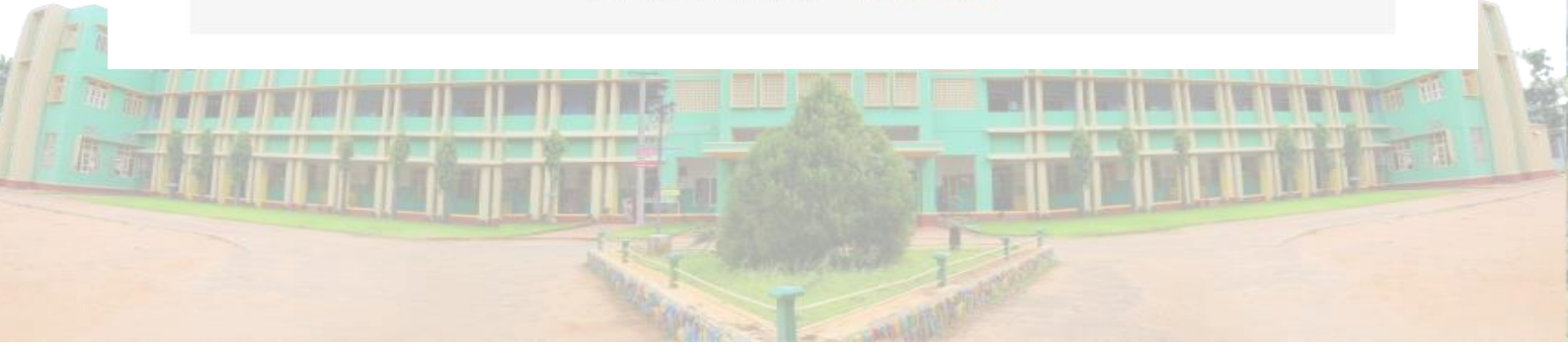
AIMS & SCOPE

The **Advances and Applications in Mathematical Sciences** (ISSN 0974-6803) is a monthly journal. The AAMS's coverage extends across the whole of mathematical sciences and their applications in various disciplines, encompassing Pure and Applied Mathematics, Theoretical and Applied Statistics, Computer Science and Applications as well as new emerging applied areas. It publishes original research papers, review and survey articles in all areas of mathematical sciences and their applications within and outside the boundary.

Periodicity: This is a monthly journal which appears in twelve issues in a year.

[Contents](#) | [Indexing/Abstracting](#) | [Call for Submissions](#) | [Author Guidelines](#) | [Editorial Board](#)

Copyright 2023 Mili Publications [Home](#) | [Contact Us](#)





THE FORCING MONOPHONIC GLOBAL DOMINATION NUMBER OF A GRAPH

V. SELVI¹ and V. SUJIN FLOWER²

¹Research Scholar, Reg.No.20123042092008

²Assistant Professor

Department of Mathematics

Holy Cross College (Autonomous)

Nagercoil, 629 004, India

Affiliated to Manonmaniam Sundaranar University

Abishekapatti, Tirunelveli - 627 012

Tamil Nadu, India

E-mail: selvi.maths1983@gmail.com

sujinflower@gmail.com

Abstract

Let G be a connected graph and let S be a minimum monophonic global dominating set of G . A subset $T \subseteq S$ is called a forcing subset for S if S is the unique minimum monophonic global dominating set containing T . A forcing subset for S of minimum cardinality is a minimum forcing subset of S . The forcing monophonic global domination number of S , denoted by $f_{\bar{\gamma}_m}(S)$, is the cardinality of a minimum forcing subset of S . The forcing monophonic global domination number of G , denoted by $f_{\bar{\gamma}_m}(G)$, is $f_{\bar{\gamma}_m}(G) = \min\{f_{\bar{\gamma}_m}(S)\}$, where the minimum is taken over all minimum monophonic global dominating sets S in G . Some of its general properties are studied. It is shown that for every pair a, b of integers with $0 \leq a \leq b$, there exists a connected graph G such that $f_{\bar{\gamma}_m}(G) = a$ and $\bar{\gamma}_m(G) = b$, where $\bar{\gamma}_m(G)$ is the global domination number of a graph.

1. Introduction

Let $G = (V, E)$ be a graph with a vertex set $V(G)$ and edge set $E(G)$ (or simply V and E , respectively). Furthermore, we say that a graph G has order

2020 Mathematics Subject Classification: 05C38, 05C69.

Keywords: Forcing monophonic global dominating number; Monophonic global domination number; Monophonic number; Global domination number; Domination number.

Received July 8, 2021; Accepted October 11, 2021





Source details

European Chemical Bulletin

Open Access

Years currently covered by Scopus: from 2017 to 2022
(coverage discontinued in Scopus)

Publisher: Deuton-X Ltd

E-ISSN: 2063-5346

Subject area: Chemistry: General Chemistry

Source type: Journal

CiteScore 2022

1.6

SJR 2022

0.247

SNIP 2023

0.278

[View all documents >](#) [Set document alert](#) [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

CiteScore 2022

$$1.6 = \frac{509 \text{ Citations } 2019 - 2022}{313 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScore rank 2022

Category	Rank	Percentile
Chemistry		
- General Chemistry	#273/407	33rd

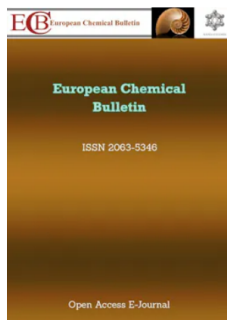
[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



[About Us](#) [Articles](#) [For Authors](#) [Journal Policies](#)

[Contact Us](#)

[Submit Article](#)



Chief Editor Name

Prof. Dr. K.Krishna
Department of Chemistry, India

Publisher:

Deuton-X Ltd

European Chemical Bulletin is indexed by Chemical Abstract (CA), SciFinder, Directory of Open Access Journals (DOAJ), and Directory of Research Journals Indexing (DRJI) and is available as an Open Access Journal on the Internet. The European Chemical Bulletin was covered by [Scopus](#) inclusion for the period from 2017 to 2022. Full lengths of the articles and abstracts are available online at www.eurchembull.com European Chemical Bulletin is an open-access journal. The interesting readers can view, download, print, and redistribute our articles without a subscription, which guarantees that the author

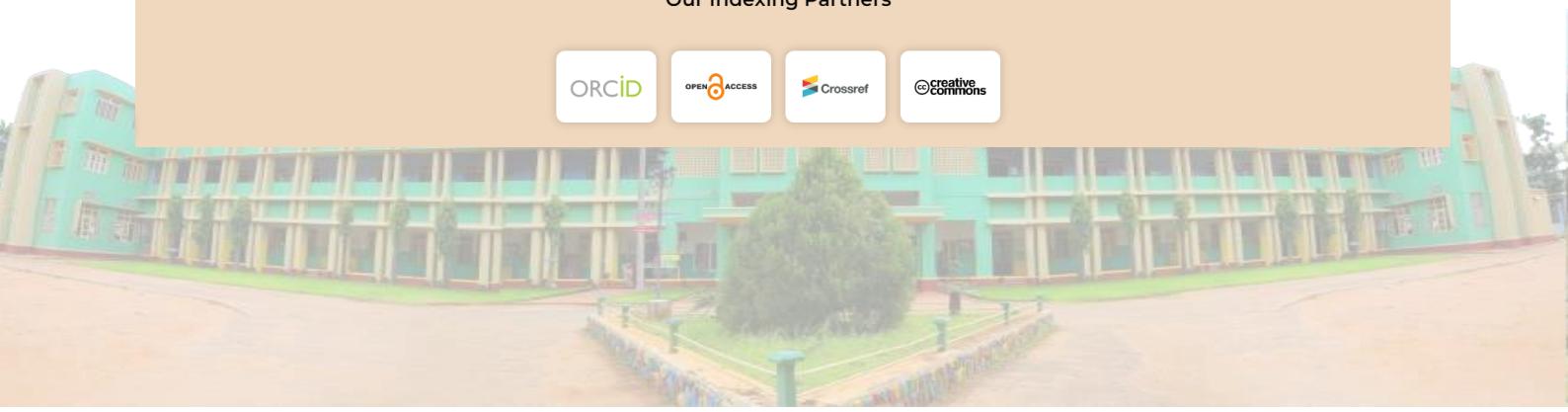
Our Indexing Partners

ORCID

OPEN ACCESS

Crossref

Creative Commons





REGULAR NUMBER OF COMPLEMENTARY PRISM OF FERRERS GRAPH

¹R. Chenthil ThangaBama and ²S. Sujitha

¹Register Number 18113132092001, Research Scholar,
Department of Mathematics,

Manonmaniam Sundaranar University, Tirunelveli, India.
email: chenthilthangabama@gmail.com

²Assistant Professor, Department of Mathematics,
Holy Cross College (Autonomous), Nagercoil – 629 004, India.
email: sujitha.s@hodycrossmg.edu.in

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627 012, Tamil Nadu, India

Abstract

The regular number $r(G)$ of a graph G is the minimum number of subsets into which the edge set of G is partitioned so that the subgraph induced by each subset is regular. In this paper, we examine the regular number $r(G)$ of complementary prism of a Ferrers graph.

AMS Subject Classification: 05C50, 05C25.

Keywords: Ferrers graph, complementary prism, regular number, diameter, radius.


DOI: 10.48047/ecb/2022.11.12.123

1. Introduction

Graph theory notation and terminology are not given here we refer it from [1]. The complement of a graph G is a graph \bar{G} on the same set of vertices as of G such that there will be an edge between two vertices in \bar{G} , if and only if there is no edge in between in G . The complementary prism of a graph G , denoted by $G\bar{G}$, as the graph formed from the disjoint union of G and its complement \bar{G} by adding the edges of the perfect matching between the corresponding vertices of G and \bar{G} , Where $V(G\bar{G}) = V(G) \cup V(\bar{G})$. The regular number of G is defined to be the minimum number of subsets into which the edge set of G can be partitioned so that the subgraph induced by each subset is regular.

In this paper we find the regular number of complementary prism of a Ferrers graph. Also we find the diameter and radius of the complementary prism of a Ferrers graph.

Theorem 1.1 [2] If $G = (V, E)$ is a Ferrers graph iff for all distinct $x, y, z, w \in E$ then $d(x, w) + d(y, z) \leq 4$.



SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "0974-6803". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Advances and Applications in Mathematical Sciences	Mili Publications	0974-6803	NA	from June-2019 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next



Mili Publications

Home About Us Journals Contact Subscription

JOURNAL MENU

- [Aims & Scope](#)
- [Editorial Board](#)
- [Contents](#)
- [Indexing/Abstracting](#)
- [Call for Submissions](#)
- [Author Guidelines](#)
- [Special Issue](#)
- [Submit Manuscript](#)
- [Publication Ethics and Malpractice Statement](#)

ADVANCES AND APPLICATIONS IN MATHEMATICAL SCIENCES

AIMS & SCOPE

The **Advances and Applications in Mathematical Sciences** (ISSN 0974-6803) is a monthly journal. The AAMS's coverage extends across the whole of mathematical sciences and their applications in various disciplines, encompassing Pure and Applied Mathematics, Theoretical and Applied Statistics, Computer Science and Applications as well as new emerging applied areas. It publishes original research papers, review and survey articles in all areas of mathematical sciences and their applications within and outside the boundary.

Periodicity: This is a monthly journal which appears in twelve issues in a year.

[Contents](#) | [Indexing/Abstracting](#) | [Call for Submissions](#) | [Author Guidelines](#) | [Editorial Board](#)

MENU

- [Home](#)
- [About Us](#)
- [Submission Guidelines](#)
- [Online Purchase](#)
- [Subscription](#)
- [Contact Us](#)





THE CYCLIC CONNECTIVITY NUMBER OF AN ARITHMETIC GRAPH $G = V_n$

MARY JENITHA LAZER and SUJITHA SOMASUNDARAM

Department of Mathematics
 Manonmaniam Sundaranar University
 Abishekapatti, Tirunelveli, Tamilnadu, India
 E-mail: jeni.mathematics@gmail.com

Department of Mathematics
 Holy Cross College (Autonomous), Nagercoil, India
 E-mail: sujitha.s@holycrossngl.edu.in

Abstract

A set S is a cyclic vertex cut if $G - S$ is disconnected and at least two of its components contain cycle. The minimum cardinality of cyclic vertex cut is called the cyclic connectivity number and it is denoted by $\kappa_c(G)$. In this article, the cyclic connectivity of an arithmetic graph is studied. We categorised arithmetic graphs which are cyclically separable and not cyclically separable. Also, it is shown that $\kappa_c(G) = \infty$ where the number of primes in n does not exceed two.

1. Introduction


For notations and graph theory terminologies, we follow [3]. Plummer studied the cyclic connectivity of planar graphs in [8]. The definition of the cyclic connectivity is from [8]. The definition of an arithmetic graph is studied from [10]. The arithmetic graph V_n is defined as a graph with its vertex set is the set consists of the divisors of n (excluding 1) where n is a positive integer and $n = p_1^{a_1} \times p_2^{a_2} \times \dots \times p_r^{a_r}$ where p_i 's are distinct primes and a_i 's ≥ 1 and two distinct vertices a, b which are not of the same parity are adjacent in this

2020 Mathematics Subject Classification: 05C40.

Keywords: Arithmetic graph, Cyclic vertex connectivity.

Received June 5, 2021; Accepted September 3, 2021





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "1927-5307". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Journal of Mathematical Computational Science	SCIK Publishing Corporation	1927-5307	NA	from June-2019 to April-2022	Discontinued from Scopus

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



Journal of Mathematical and Computational Science

USER

Username

Password

Remember me

[Reset Password](#)

Email

INFORMATION

- [For Authors](#)

JOURNAL CONTENT

Search

All

Browse


- [By Issue](#)
- [By Author](#)
- [By Title](#)

Home About Table of Contents Aims and Scope Editorial Board
 Publication Ethics Editorial Workflow Contact

Home > Vol 14 (2024)

Aims and Scope

Journal of mathematical and computational science (JMCS) is a peer-reviewed open access international journal, which is aimed to provide a publication forum for important research in different areas covering all aspects of mathematical and computational science, such as numerical analysis, optimization, linear and nonlinear programming, theory of computation, control theory, theory of algorithms, computational logic, applied combinatorics, coding theory, cryptographics, fuzzy theory, differential equations, algebra and number theory. This journal will accept high quality articles containing original research results and survey articles of exceptional merit.



ISSN: 1927-5307

Editorial Office: jmcs@scik.org

Editorial Policy

Papers submitted for publication in the journal must be correct, original, and nontrivial.

Copyright

By submitting a manuscript, the author acknowledges that:

It has not been previously published elsewhere, is original and has been written by the stated authors.

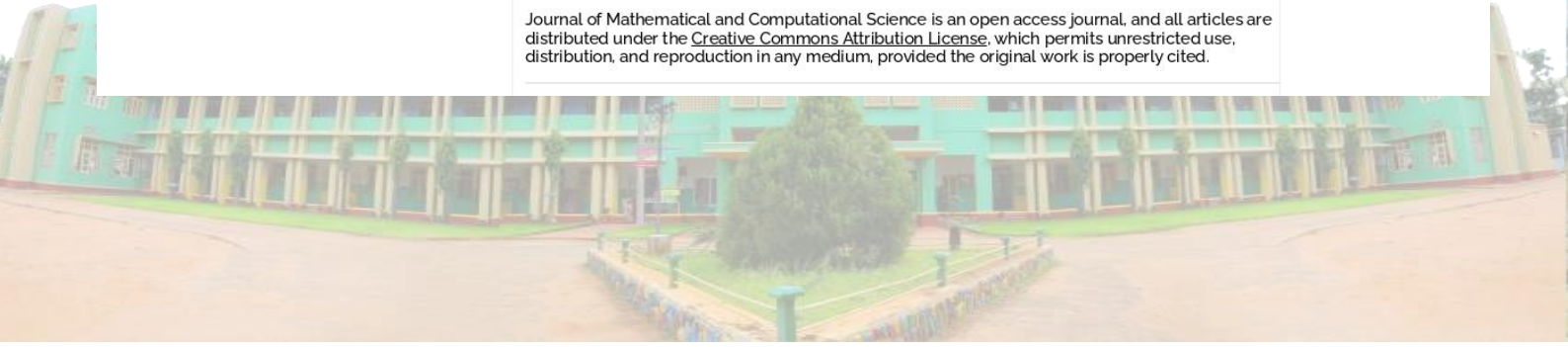
The article is not currently being considered for publication by any other journal and will not be submitted for such review while under review by this journal.

All authors have read the manuscript and agree to publish it.

The authors declare that there is no conflict of interests.

Open Access

Journal of Mathematical and Computational Science is an open access journal, and all articles are distributed under the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.





Available online at <http://scik.org>
 J. Math. Comput. Sci. 2022, 12:51
<https://doi.org/10.28919/jmcs/6547>
 ISSN: 1927-5307

THE FORCING STAR EDGE CHROMATIC NUMBER OF A GRAPH

R. SUGANYA^{†,*}, V. SUJIN FLOWER

Department of Mathematics, Holy Cross College (Autonomous), Nagercoil - 629 004, India

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli-627 012, Tamil Nadu, India

Copyright © 2021 the author(s). This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract. Let S be a χ'_{st} -set of G . A subset $T \subseteq S$ is called a forcing subset for S if S is the unique χ'_{st} -set containing T . The forcing star-edge chromatic number $f_{\chi'_{st}}(S)$ of S in G is the minimum cardinality of a forcing subset for S . The forcing star-edge chromatic number $f_{\chi'_{st}}(G)$ of G is the smallest forcing number of all χ'_{st} -sets of G . Some general properties satisfied by this concept are studied. It is shown that for every pair a and b of integers with $0 \leq a < b$ and $b > a + 2$ there exists a connected graph G such that $f_{\chi'_{st}}(G) = a$ and $\chi'_{st}(G) = b$, where $\chi'_{st}(G)$ is the star edge chromatic number of a graph.

Keywords: forcing star edge chromatic number; star edge chromatic number; edge chromatic number.

2010 AMS Subject Classification: 05C15.

1. INTRODUCTION

By a graph $G = (V, E)$, we mean a finite, undirected connected graph without loops or multiple edges. The order and size of G are denoted by n and m respectively. For basic graph theoretic terminology, we refer to [1]. Two vertices u and v are said to be adjacent if uv is an edge of G . If $uv \in E(G)$, we say that u is a neighbor of v and denote by $N(v)$, the set of


*Corresponding author

E-mail address: suganya.maths34@gmail.com

[†]Register Number.18223232092002, Research Scholar

Received July 23, 2021





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "0974-6803". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Advances and Applications in Mathematical Sciences	Mili Publications	0974-6803	NA	from June-2019 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



Mili Publications

Home About Us Journals Contact Subscription

JOURNAL MENU

- Aims & Scope
- Editorial Board
- Contents
- Indexing/Abstracting
- Call for Submissions
- Author Guidelines
- Special Issue
- Submit Manuscript
- Publication Ethics and Malpractice Statement

MENU

- Home
- About Us
- Submission Guidelines
- Online Purchase
- Subscription
- Contact Us

ADVANCES AND APPLICATIONS IN MATHEMATICAL SCIENCES

AIMS & SCOPE

The **Advances and Applications in Mathematical Sciences** (ISSN 0974-6803) is a monthly journal. The AAMS's coverage extends across the whole of mathematical sciences and their applications in various disciplines, encompassing Pure and Applied Mathematics, Theoretical and Applied Statistics, Computer Science and Applications as well as new emerging applied areas. It publishes original research papers, review and survey articles in all areas of mathematical sciences and their applications within and outside the boundary.

Periodicity: This is a monthly journal which appears in twelve issues in a year.

Contents | Indexing/Abstracting | Call for Submissions | Author Guidelines | Editorial Board

Copyright 2023 Mili Publications Home | Contact Us





THE FORCING DETOUR COTOTAL DOMINATION NUMBER OF A GRAPH

S. L. SUMI, V. MARY GLEETA and **J. BEFIJA MINNIE**

Research Scholar, Register No.20123042092007
Department of Mathematics, Holy Cross College
Nagercoil-629 004, India
E-mail: sumikrish123@gmail.com

Assistant Professor, Department of Mathematics
T. D. M. N. S. College, T. Kallikulam-627 113, India
E-mail: gleetass@gmail.com

Assistant Professor, Department of Mathematics
Holy Cross College, Nagercoil-629 004, India
Affiliated to Manonmaniam Sundaranar University
Abishekapatti, Tirunelveli-627 012
E-mail: befija@gmail.com

Abstract

Let S be a detour cototal dominating set of G . A subset $D \subseteq S$ is called a forcing subset of S if S is the unique minimum detour cototal dominating set containing D . The minimum cardinality D is the forcing detour cototal domination number of S and is denoted by $f_{\gamma_{det}}(S)$. is the cardinality of a minimum forcing subset of S . The forcing detour cototal domination number of G , denoted by $f_{\gamma_{det}}(G)$, is $f_{\gamma_{det}}(G) = \min\{f_{\gamma_{det}}(S)\}$, where the minimum is taken over all γ_{det} -sets S in G . Some general properties satisfied by this concept are studied. It is shown that for every pair a, b of integers with $0 \leq a \leq b, b \geq 2$, there exists a connected graph G such that $f_{\gamma_{det}}(G) = a$ and $\gamma_{det}(G) = b$. Where $\gamma_{det}(G)$ is the detour cototal dominating number of G .

2020 Mathematics Subject Classification: 05C12, 05C69.

Keywords: Forcing, detour set, Cototal domination, Detour cototal domination, Forcing detour cototal domination.

Received May 27, 2022; Accepted June 1, 2022





Source details

Proyecciones

Scopus coverage years: from 2000 to 2002, from 2006 to Present

Publisher: Universidad Catolica del Norte

ISSN: 0716-0917 E-ISSN: 0717-6279

Subject area: Mathematics: General Mathematics

Source type: Journal

[View all documents >](#)

[Set document alert](#)

[Save to source list](#) [Source Homepage](#)

CiteScore 2022 ⓘ
1.1

SJR 2022 ⓘ
0.320

SNIP 2022 ⓘ
0.786

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

1.1 = $\frac{376 \text{ Citations 2019 - 2022}}{349 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

1.1 = $\frac{385 \text{ Citations to date}}{354 \text{ Documents to date}}$

Last updated on 08 November, 2023 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Mathematics		
└ General Mathematics	#237/387	38th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Login Register



Current Archives Policies and Norms - About - Announcements Indexing and others Search

Continuous publication modality
 2023-10-25

Proyecciones Journal of Mathematics **announces** that from Volume 42 No. 6, December 2023, it adheres to the **continuous publication modality**. This means that as soon as a submission is accepted, it will be published in the corresponding volume.

[Read More >](#)

Current Issue
 Vol. 42 No. 5 (2023)



Published: 2023-09-13

Articulos

An inverse source time-fractional diffusion problem via an input-output mapping
 Rahima Atmania, Loubna Settara 1105-1127

[PDF](#)

Study of some algebraic and topological properties of difference gai sequence of interval numbers

Current Issue

1.1 2022 CiteScore

38th percentile
 Powered by Scopus

ORCID

sorry, we can't preview this file




REVISTAS CIENTÍFICAS
 de la Universidad Católica del Norte

[VOLVER AL INICIO](#)

Information


- [For Readers](#)
- [For Authors](#)
- [For Librarians](#)

[Make a Submission](#)





k-super cube root cube mean labeling of some corona graphs

V. Princy Kala 

Holy Cross College (Autonomous), India

Received : October 2021. Accepted : March 2022

Abstract

Let G be a graph with $|V(G)| = p$ and $|E(G)| = q$ and $f : V(G) \rightarrow \{k, k+1, k+2, \dots, p+q+k-1\}$ be an one-to-one function. The induced edge labeling f^* , for a vertex labeling f is defined by


$$f^*(e) = \left\lfloor \sqrt{\frac{f(u)^3 + f(v)^3}{2}} \right\rfloor \quad \text{or} \quad \left\lceil \sqrt{\frac{f(u)^3 + f(v)^3}{2}} \right\rceil$$

for all $e = uv \in E(G)$ is bijective. If $f(V(G)) \cup \{f^*(e) : e \in E(G)\} = \{k, k+1, k+2, \dots, p+q+k-1\}$, then f is known as a k -super cube root cube mean labeling. If such labeling exists, then G is a k -super cube root cube mean graph. In this paper, I prove that $T_n \odot K_1$, $A(T_n) \odot K_1$, $A(T_n) \odot 2K_1$, $A(Q_n) \odot K_1$, $P_n \odot K_{1,2}$ and $P_n \odot K_{1,3}$ are k -super cube root cube mean graphs.

Keywords: K -Super cube root cube mean labeling, Alternate snake graph, $A(T_n) \odot K_1$, $A(T_n) \odot 2K_1$, $T_n \odot K_1$, $A(Q_n) \odot K_1$, $P_n \odot K_{1,2}$.

MSC (2020): 05C78.





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer




IJFANS International Journal of Food and Nutritional Sciences

Official Publication of International Association of Food and Nutrition Scientists

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832
About Us Archives Editorial Board Journal policies Abstracting and Indexing Editorial Policies Contact Us



Volume 13 Issue 1

Correlation Between Personality Traits, Motor Skills, And Anthropometric Measurements In Athletes And Non-Athletes

Volume 13 | Issue 1

Implementation Of Nano Biotechnology In Sanitary Napkin. A Sustainable Approach Towards Environment

Volume 13 | Issue 1

INTERNAL MIGRATION OF CONSTRUCTION WORKERS IN INDIA: REFERENCE TO THIRUVALLUR DISTRICT OF TAMIL NADU

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

Submit article

submit.ijfans@gmail.com



THE UPPER COMPLEMENT CONNECTED EDGE GEODETIC NUMBER OF A GRAPH

J. NESA GOLDEN FLOWER, Assistant Professor, Department of Mathematics, Holy Cross College,
Nagercoil-629002, India. e-mail: nesagoldenflower@gmail.com.

ABSTRACT—A complement connected edge geodetic set of G is called a minimal complement connected edge geodetic set of G if no proper subset of S is a complement connected edge geodetic set of G . The upper complement connected edge geodetic number $g_{ccw}^+(G)$ is the maximum cardinality of a minimal complement connected edge geodetic set of G . Some general properties satisfied by this concept are studied connected graphs of order $p \geq 3$ with $g_{ccw}^+(G)$ to be $p - 1$ is given. It is shown that for every pair of integers a and b with $3 \leq a \leq b$, there exists a connected graph G with $g_{ccw}(G) = a$ and $g_{ccw}^+(G) = b$, where upper complement connected edge geodetic number of a graph.

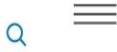
Keywords—distance, edge geodetic number, complement connected edge geodetic number, upper complement connected edge geodetic number.

1. INTRODUCTION

By a graph $G = (V, E)$, we mean a finite, undirected connected graph without loops or multiple edges. The order and size of G are denoted by p and q respectively. For basic graph theoretic terminology, we refer to [2]. For the neighborhood of the vertex v in G , $N(v) = \{u \in V(G) : uv \in E(G)\}$. The degree of a vertex v of a graph is $deg(v) = |N(v)|$, $\Delta(G)$ and $\delta(G)$ are the maximum and minimum degrees of the graph respectively. A vertex v is said to be universal vertex if $deg(v) = p - 1$. For $S \subseteq V(G)$, the induced subgraph $G[S]$ is the graph whose vertex set is S and whose edge set consists of all of the edges in E that have both endpoints in S . A vertex v is called an extreme vertex of a graph G if $G[N(v)]$ is complete. A vertex v in a connected graph G is said to be a semi-extreme vertex if $\Delta(G[N(v)]) = |N(v)| - 1$. Every semi-extreme vertex is extreme vertex of G that there are extreme vertices which are not a extreme vertex of G . A graph G is said to be semi-extreme graph if every vertex of G is a semi-complete vertex. A graph with at least two universal vertices is a semi-complete graph. Infact, there are semi-complete graph which hasno universal vertices. The distance $d(u, v)$ between two vertices u and v in a connected graph G is the length of a shortest $u - v$ path in G . An $u - v$ path of length $d(u, v)$ is called an $u - v$ geodesic. A vertex x is said to lie on a $u - v$ geodesic P if x is a vertex of P including the vertices u and v . The eccentricity $e(v)$ of a vertex v in G is the maximum distance from v and a vertex of G . $e(v) = \max\{d(v, u) : u \in V\}$ The minimum eccentricity among the vertices of G is the radius, $radG$ or $r(G)$ and the maximum eccentricity is its diameter, $diamG$. We denote $rad(G)$ by r and $diamG$ by d . Two vertices u and v are said to be antipodal $d(u, v) = d$. For two vertices u and v , the closed interval $I_u[u, v]$ consists of all edges lying in a $u - v$ geodesic. If u and v are adjacent, then $I_u[u, v] = \{uv\}$. For a set S of vertices, let $I_u[S] = \cup_{u,v \in S} I_u[u, v]$. A set $S \subseteq V$ is called an edge geodetic set of G if $I_u[S] = E$. A set $S \subseteq V(G)$ is called an edge geodetic set of G if $I_u[S] = E$. The edge geodetic number $g_e(G)$ of G is the minimum order of its edge geodetic sets and any edge geodetic set of order $g_e(G)$ is an edge geodetic basis or a g_e -set of G . An edge geodetic set S of G is said to be a connected edge geodetic set of G if $G[S]$ is

2. NUMBER OF A GRAPH

Definition 2.1 A complement connected edge geodetic set of G is called a minimal complement connected edge geodetic set of G if no proper subset of S is a complement connected edge



Source details

Environmental Research

Scopus coverage years: from 1967 to 1995, from 1997 to Present

Publisher: Elsevier

ISSN: 0013-9351 E-ISSN: 1096-0953

Subject area: Environmental Science: General Environmental Science Biochemistry, Genetics and Molecular Biology: Biochemistry

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
11.0

SJR 2022 ⓘ
1.635

SNIP 2022 ⓘ
1.664

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$11.0 = \frac{62,697 \text{ Citations 2019 - 2022}}{5,678 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$12.5 = \frac{95,739 \text{ Citations to date}}{7,640 \text{ Documents to date}}$$

Last updated on 05 March, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Environmental Science		
└ General Environmental Science	#16/227	93rd
Biochemistry, Genetics and Molecular Biology		
└ Biochemistry	#47/428	89th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage ▼
- Open Access ▼
- Category ▼
- Country / Region ▼
- Language ▼
- Frequency ▼
- Journal Citation Reports ▼

Refine Your Search Results

Environmental Research
Search

Sort By: Relevancy ☰

Search Results

Found 22,457 results (Page 1) [Share These Results](#)

Exact Match Found

ENVIRONMENTAL RESEARCH

Publisher: **ACADEMIC PRESS INC ELSEVIER
SCIENCE , 525 B ST, STE 1900, SAN
DIEGO, USA, CA, 92101-4495**

ISSN / eISSN: **0013-9351 / 1096-0953**

Web of Science Core **Science Citation Index**
Collection: **Expanded**

Additional **Biological Abstracts | BIOSIS Previews |
Web of Science Current Contents Agriculture, Biology &
Environmental Sciences | Current
Indexes: Contents Life Sciences | Essential Science
Indicators**

[Share This Journal](#) View profile page

* Requires free login.

Other Possible Matches

APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH

Publisher: **ALOKI APPLIED ECOLOGICAL
RESEARCH AND FORENSIC INST LTD
, Kassa u. 118, Budapest, Hungary,
11185**





ScienceDirect®

Environmental Research

Supports open access

11

CiteScore

8.3

Impact Factor

[Submit your article ↗](#)

[Guide for authors](#)

Menu

Search in this journal

About the journal

A Multidisciplinary Journal of Environmental Sciences and Engineering

Environmental Research is a multi-disciplinary journal publishing high quality and novel information about anthropogenic issues of global relevance and applicability in a wide range of environmental disciplines, and ...

[View full aims & scope](#)

\$3550 ⓘ

Article publishing charge
for open access

3 days

Time to first decision

91 days

Submission to acceptance

6 days

Acceptance to publication



[View all insights](#)





Synthesis and physicochemical characteristics of Ag-doped hydroxyapatite nanoparticles, and their potential biomedical applications

Saleth Sebastiammal^{a,1}, Arul Sigamani Lesly Fathima^a, Saud Alarifi^b, Shahid Mahboob^b, Johnson Henry^c, M.R. Kavipriya^d, Marimuthu Govindarajan^{e, f}, Marcello Nicoletti^g, Baskaralingam Vaseeharan^h

Show more ▾

Share Cite

<https://doi.org/10.1016/j.envres.2022.112979>

[Get rights and content](#)

Highlights

- Silver (Ag) doped hydroxyapatite nanoparticles (Ag-HApNPs) were synthesized.
- Ag-HApNPs were characterized by XRD, FTIR, SEM, TEM, Raman and UV-DRS analysis.
- Ag-HApNPs possess excellent antibacterial and antifungal activities.
- Ag-HApNPs exhibit free radical quenching activity as effective antioxidants.
- Ag-HApNPs kill HeLa cells and are effective anticancer agents.

Abstract

In this present scenario, hydroxyapatite (HAp) nanostructures were synthesized through green routes for biomedical applications, particularly remediation towards human pathogens and cancer cells. The present study aims at forming non-toxic and eco-friendly silver (Ag⁺) doped HAp using Polyethylene glycol (PEG), Cetyl Trimethyl ammonium bromide (CTAB) and curcumin. Ag⁺ doped HAp nanoparticles (NPs) were prepared by the sol-gel method with a cube and rod-like morphology. Ag-HApNPs showed a sharp and well-defined diffraction peak, which possesses the hexagonal crystalline structure with space group P6₃/m. The Fourier-transform infrared spectroscopy and Raman spectra confirmed the formation of Ag-HApNPs, and the bandgap values were obtained using UV-DRS analysis. The Ag-HApNPs with PEG, CTAB and curcumin might be fabricated materials were examined against antibacterial, antifungal, antioxidant, and cytotoxic activities, which provided exemplary biomedical applications. Overall, Ag-HApNPs can be used as potential drug delivery and perspectives to control multidrug-resistant pathogens.

Introduction





Source details

Materials Today: Proceedings

Scopus coverage years: 2005, from 2014 to Present

E-ISSN: 2214-7853

Subject area: Materials Science: General Materials Science

Source type: Conference Proceeding

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 i
3.2

SJR 2022 i
0.445

SNIP 2022 i
0.774

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology x

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 v

$$3.2 = \frac{80,455 \text{ Citations 2019 - 2022}}{24,871 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 i

$$4.9 = \frac{1,08,812 \text{ Citations to date}}{22,228 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 i

Category	Rank	Percentile
Materials Science		
General Materials Science	#259/453	42nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)





ScienceDirect

materialstoday: PROCEEDINGS

3.2
CiteScore

[Submit your article ↗](#)

[Guide for authors](#)

Menu

Search in this journal

About the journal

Materials Today: Proceedings provides the materials science community with a fast and flexible route to the publication of research presented at national and international scientific conferences in the field of materials science.

Guest Editors are responsible for quality control, the peer review ...

[View full aims & scope](#)

\$200 ⓘ

Article publishing charge
for open access

68 days

Review time

70 days

Submission to acceptance

[View all insights](#)

Articles

[Latest published](#) [Articles in press](#) [Top cited](#) [Most downloaded](#)





NiO-CdO nanocomposite for photocatalytic applications

E.J. Vishaka^a, M. Priya Dharshini^b, V. Shally^c, Sr. Gerardin Jayam^b

Show more

Share Cite

<https://doi.org/10.1016/j.matpr.2022.05.180>

[Get rights and content](#)

Abstract

The cost-effective and highly convenient co-precipitation technique has been used to synthesize NiO nanoparticles and NiO-CdO nanocomposites. The structural, morphological, optical and photocatalytic studies of the as-prepared samples are carried out. PXRD confirms the structure of NiO nanoparticles and NiO-CdO nanocomposites as cubic. FESEM image shows that the NiO nanoparticles and NiO-CdO nanocomposites possess spherical shaped structure. The UV-Vis analysis reveals strong absorption peaks in the visible region. The absorption peaks are found at 327nm and 424nm. In the PL spectra, blue and green emissions are observed. The photocatalytic studies reveal that the as-prepared NiO nanoparticles and NiO-CdO nanocomposites has 88.86% and 83.01% efficiency to degrade methylene blue dye.

Introduction

Nowadays, quality of water has become a major concern worldwide due to increasing population. Due to this reason, the proficient treatment of wastewaters has attracted major attentions among researchers around the globe to solve those problems. Recently, the utilization of oxide semiconductor nanomaterials as effective photocatalysts in wastewater treatment has become a subject of major concern [19]. Nanostructured metal oxide materials have been a fascinating field of current study and development due to its multifunctional activities including optical, magnetic, electrical and catalytic capabilities, which boost the materials wide applicability to many prospective applications [1]. In recent years, nanoparticles attracted a great deal of interest owing to their distinctive size dependent physical and chemical properties and device grade applications [2]. Their enhanced properties are mainly due to large surface-to-volume ratio and the effect of quantum confinement. Among those nano-engineered materials, nickel oxide (NiO) is a highly active p-type oxide with a broad band gap (3.6–4.0eV) that have attracted considerable interest as a strong candidate for many applications such as gas sensors [3], catalysis [6], battery cathodes [20], electrochromic films [21], chemical sensors [4], photovoltaic devices [5], solar cells [7] and magnetic material [8]. Nanoparticles of NiO and many other materials have shown unique behavior based on the size scale of the material [9], [10]. Cadmium oxide (CdO), which is an n-type semiconductor with band gap of 2.5eV, has attracted considerable attention for various applications such as solar cells and photodiodes [11], [12]. The NiO-CdO nanocomposites exhibit better material possession and are promising candidate compared to individual NiO nanoparticles, there by widening their applications range. CdO also finds application in photocatalysts for dye degradation due to its favorable visible light absorption and high charge carrier mobility [13].





Source details

Bioresource Technology

Incorporating: Biomass

Formerly known as: Biological Wastes

Scopus coverage years: from 1991 to Present

Publisher: Elsevier

ISSN: 0960-8524 E-ISSN: 1873-2976

Subject area: Environmental Science: Environmental Engineering Chemical Engineering: Bioengineering
Environmental Science: Waste Management and Disposal
Energy: Renewable Energy, Sustainability and the Environment

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 **19.0**

SJR 2022 **2.473**

SNIP 2022 **2.016**

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore **2022** ▼

19.0 = $\frac{1,28,275 \text{ Citations 2019 - 2022}}{6,764 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

20.7 = $\frac{1,36,896 \text{ Citations to date}}{6,602 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Environmental Science		
└ Environmental Engineering	#6/184	97th
Chemical Engineering		
└ Bioengineering	#10/153	93rd
Environmental Science		
└ Waste Management and Disposal	#8/120	93rd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?



Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Refine Your Search Results

Bioresource Technology

Search

Sort By: Relevancy



Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Search Results

Found 3,327 results (Page 1) Share These Results

Exact Match Found

BIORESOURCE TECHNOLOGY

Publisher: ELSEVIER SCI LTD , 125 London Wall, London, England, EC2Y 5AS

ISSN / eISSN: 0960-8524 / 1873-2976

Web of Science Core Science Citation Index
Collection: Expanded

Additional Biological Abstracts | BIOSIS Previews |
Web of Current Contents Agriculture, Biology &
Science Environmental Sciences | Essential
Indexes: Science Indicators

Share This Journal View profile page

* Requires free login.

Other Possible Matches

ACM TRANSACTIONS ON INTELLIGENT SYSTEMS AND TECHNOLOGY

Publisher: ASSOC COMPUTING MACHINERY , 1601 Broadway, 10th Floor, NEW YORK, Usa, NY, 10019-7434

ISSN / eISSN: 2157-6904 / 2157-6912

Web of Science Core Science Citation Index





ScienceDirect®

Bioresource Technology

Supports open access

19

CiteScore

11.4

Impact Factor

[Submit your article ↗](#)

[Guide for authors](#)



Menu



Search in this journal

About the journal

Bioresource Technology publishes original articles, review articles, case studies and short communications on the fundamentals, applications and management of **bioresource technology**.

The journal's aim is to advance and disseminate knowledge in all the related areas of **biomass, biological waste ...**

[View full aims & scope](#)

\$4740 ⓘ

Article publishing charge
for open access

3 days

Time to first decision

32 days

Review time

41 days

Submission to acceptance



[View all insights](#)



FEEDBACK





Review

Lignocellulose biohydrogen towards net zero emission: A review on recent developments

Chyi-How Lay^{a,1}, Jeyaprakash Dharmaraja^{b,1}, Sutha Shobana^c, Sundaram Arvindnarayan^c, **Retnam Krishna Priya^e**, Rajesh Banu Jeyakumar^f, Rijuta Ganesh Saratale^g, Young-Kwon Park^h, Vinod Kumarⁱ, Gopalakrishnan Kumar^j  

Show more 

 Share  Cite

<https://doi.org/10.1016/j.biortech.2022.128084> 

[Get rights and content](#) 

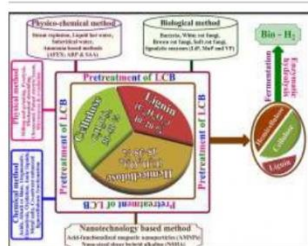
Highlights

- Recent lignocellulosic pretreatments have been documented.
- Radiation energy based pretreatment techniques were discussed.
- Role of nanotechnology in bio-H₂ production has been highlighted.
- Challenges in the development of pretreatments and remedies are suggested.

Abstract

This review mainly determines novel and advance physical, chemical, physico-chemical, microbiological and nanotechnology-based pretreatment techniques in lignocellulosic biomass pretreatment for bio-H₂ production. Further, aim of this review is to gain the knowledge on the lignocellulosic biomass pretreatment and its priority on the efficacy of bio-H₂ and positive findings. The influence of various pretreatment techniques on the structure of lignocellulosic biomass have presented with the pros and cons, especially about the cellulose digestibility and the interference by generation of inhibitory compounds in the bio-enzymatic technique as such compounds is toxic. The result implies that the stepwise pretreatment technique only can ensure eventually the lignocellulosic biomass materials fermentation to yield bio-H₂. Though, the mentioned pretreatment steps are still a challenge to procure cost-effective large-scale conversion of lignocellulosic biomass into fermentable sugars along with low inhibitory concentration.

Graphical abstract





Source details

Periodico di Mineralogia

Scopus coverage years: from 1979 to 1988, from 1990 to 1991, from 1994 to 1997, from 1999 to 2023

Publisher: Sapienza Universita Editrice

ISSN: 0369-8963 E-ISSN: 2239-1002

Subject area: Earth and Planetary Sciences: Geophysics Earth and Planetary Sciences: Geology
Earth and Planetary Sciences: Geochemistry and Petrology

Source type: Journal

CiteScore 2022 ⓘ
1.8

SJR 2022 ⓘ
0.246

SNIP 2022 ⓘ
0.397

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

1.8 = $\frac{134 \text{ Citations 2019 - 2022}}{73 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

1.5 = $\frac{103 \text{ Citations to date}}{70 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Earth and Planetary Sciences	#89/154	42nd
└ Geophysics		
Earth and Planetary Sciences	#169/284	40th
└ Geology		
Earth and Planetary		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage
- Open Access
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

Periodico di Mineralogia [Search](#)

Sort By: Relevancy

Search Results

Found 126 results (Page 1) [Share These Results](#)

Exact Match Found

PERIODICO DI MINERALOGIA

Publisher: SAPIENZA UNIV EDITRICE ,
PIAZZALE ALDO MORO 5, ROME,
Italy, 00185

ISSN / eISSN: 0369-8963 / 2239-1002

Web of Science Core Collection: Science Citation Index Expanded

Additional Web of Science Indexes: Essential Science Indicators

[Share This Journal](#) [View profile page](#)

* Requires free login.

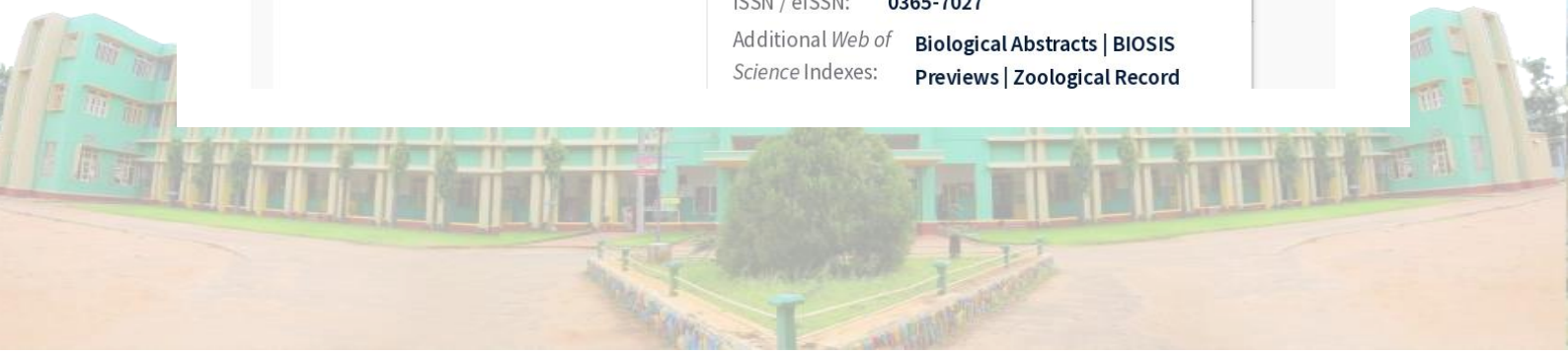
Other Possible Matches

ATTI DELLA SOCIETA DEI NATURALISTI E MATEMATICI DI MODENA

Publisher: SOC DEI NATURALISTI E MATEMATICI
DI MODENA , VIA UNIVERSITA 4,
MODENA, ITALY, 00000

ISSN / eISSN: 0365-7027

Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Zoological Record





Periodico di Mineralogia

Edizioni Nuova Cultura, Italy

Home About Us ▾ Archives Authors ▾ Indexing Editorial Board Contact Us

Welcome to Periodico di Mineralogia

Journal Name: **Periodico di Mineralogia**
 Publisher: **Edizioni Nuova Cultura**
 ISSN No: **0369-8963**

Website: **<http://periodicodimineralogia.it/>**
 Editor-in-Chief: **Dr. Paolo Ballirano**
 Country: **Italy**
 Publication Start Year: **1930**
 Submission Email ID: **periodicodimineralogia@gmail.com** (or)
paolo.ballirano@periodicodimineralogia.it

Important information about the journal:

- ▣ <https://portal.issn.org/resource/issn/2239-1002>
- ▣ <https://journals.indexcopernicus.com/search/details?id=14891>
- ▣ <https://academic-accelerator.com/Impact-of-Journal/Periodico-di-Mineralogia>
- ▣ <https://www.journalguide.com/journals/periodico-di-mineralogia>
- ▣ <https://fatcat.wiki/container/u6arijkzz5fcvkaq3jzux2xf3a>
- ▣ <https://m2.mtmt.hu/api/journal/10005770>
- ▣ <https://ezb.ur.de/?2537938&bibid=FHWF>

Periodico di Mineralogia provides open access to its content. By "open access", we mean the permitted accessibility on the public internet, the go-ahead for all users to read, download, copy, distribute, print, search, or link to the full text of the manuscripts, sneak them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than



Tribological Behavior of AA7075 Nanohybrid Composites at High TemperatureM.L.AJIN^{1*}, J.JEBEEN MOSES^{1*}, M.PRIYA DHARSHINI²¹Department of Mechanical Engineering, St. Xavier's Catholic College of Engineering, Chankankadai, Nagercoil-629003, Kanniyakumari District, Tamilnadu, India-629003²Research Department of Physics, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, Tamilnadu, India-629004^{*} Corresponding author- J. JEBEEN MOSES**Abstract**

In this research work, an attempt was made to reinforce AA7075 aluminium alloy with nanosized Boron Carbide (B₄C) and Silicon Carbide (SiC) particles through stir casting technique. The manufactured composites were tested for wear utilizing pin on disc apparatus at high temperature by varying %reinforcement, applied load, sliding distance and applied velocity. The results revealed that the composites exhibit lower wear rate owing to the formation of Mechanically Mixed Layer (MML) due to third body abrasion as confirmed through EDAX. At low temperature, wear occurred through abrasion; whereas at high temperature, it was due to shearing, wear shift from mild to severe when the load exceeds 20N. When the temperature exceeds 225°C, no MML was formed as most of the materials were removed from composites owing to its reduction in hardness, hence the pin exhibit severe wear. The composites were produced with the objective of reducing the wear rate which was achieved using the WASPAS and VIKOR optimization technique. Cracks, pits and resolidified materials are some of the features observed on the worn surface morphology.

Keywords— Stir Casting · High Temperature · Wear · VIKOR · WASPAS · Worn surface morphology

INTRODUCTION

Aluminum Metal Matrix Composite (AMMC) is gaining its importance in aerospace sector owing to its enhanced material properties and strength to weight ratio [1]. Composites are made using a variety of processes including powder sintering, in-situ manufacturing and liquid metallurgy [2]. Manufacturing through liquid stir casting is the most cost-effective and suitable for large production of these processes [3]. The homogenous distribution of composites is influenced by numerous parameters such as particle size, volume percentage, particle shape and surface treatment [4]. The most often utilized reinforcing materials were Boron Carbide (B₄C), Silicon Carbide (SiC), Aluminum oxide (Al₂O₃), Graphite (Gr) and Carbon Nanotubes (CNT) [5]. The major issue of AMMC is wettability of particles over the matrix material [6]. The wettability of composites is improved by adding flux. In comparison to untreated particles, heat-treated particles mix uniformly [29].

The existence of a mechanical mixed layer enhances the wear resistance of composites by preventing direct metal-to-metal contact [7]. The weight % and counter face stiffness have a negative impact on the wear rate, but the load and speed applied have a beneficial impact [8]. The duct surface has no influence on wear rate due to the presence of tribo substrate [9]. At lower loads, composite materials show abrasion and delamination wear, but at greater loads, they show severe wear [10]. The slowing of the subsurface increases with increased rush in the moderate wear area, but decreases when reinforcing particles are applied [11]. The presence of graphite activates the self-lubrication feature, which is required for components that frequently require lubrication [12].

Basavarajappa et al. [13] investigated the tribological characteristics of silicon carbide and graphite enhanced hybrid composites. Stir casting was used to make the AA2219 hybrid composites with different volume fractions. Variations in sliding speed and load were carried out to conduct the wear test.

The results demonstrated that the composites outperform unreinforced composites in terms of wear resistance. Surappa et al. [14] investigated the effect of the strengthening percentage, sliding velocity, loading and sliding distance on wear using complete factor design. They presented a regression equation that showed wear reinforcing dependency, sliding velocity, load and sliding lengths and wear dependence.

The challenge of determining and picking the best answer based on contradicting characteristics in a large variety of possibilities is constantly present in the manufacturing industry. WASPAS (Weighted Aggregated Sum-Product Assessment) and VIKOR was a Multi Criteria Decision Making approach (MCDM) that is used to choose the best choice from a set of options. Each classification issue consists primarily of four main components: (a) equivalents, (b) abilities, (c) a significant weight for each attribute and (d) different output measures in connection to various characteristics [15, 16]. According to the results of the survey, a great deal of effort has gone into improving the material qualities by adding reinforcing particles. However, only a little amount of research has been done to improve the properties of the AA7075 aluminium alloy at high temperature reinforced with nanoparticles. The current study used a Stir casting approach to strengthen AA7075 aluminium alloy with Silicon Carbide (SiC) and Boron Carbide (B₄C) nanoparticles. The WASPAS and VIKOR techniques were used to improve the findings. The worn surface morphology was analyzed using the Scanning Electron Microscope (SEM).

Experimental Procedure**Material Preparation**

The matrix material, AA7075 aluminium alloy with the chemical composition shown in Table 1, was obtained from Perfect Metal Alloys in Bangalore. As reinforcement, SiC and B₄C particles with an average particle size of 5µm were chosen from the Bhukanvala sectors. The moisture content in the selected reinforcing particles was removed by heating them to a temperature of 250°C. In an electric furnace, a graphite crucible





Source details

Materials Today: Proceedings

Scopus coverage years: 2005, from 2014 to Present

E-ISSN: 2214-7853

Subject area: Materials Science: General Materials Science

Source type: Conference Proceeding

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 ⓘ
3.2

SJR 2022 ⓘ
0.445

SNIP 2022 ⓘ
0.774

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$3.2 = \frac{80,455 \text{ Citations } 2019 - 2022}{24,871 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$4.9 = \frac{1,08,812 \text{ Citations to date}}{22,228 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Materials Science		
General Materials Science	#259/453	42nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)





ScienceDirect®

materialstoday:
PROCEEDINGS

3.2

CiteScore

[Submit your article ↗](#)

[Guide for authors](#)



Menu



Search in this journal

About the journal

Materials Today: Proceedings provides the materials science community with a fast and flexible route to the publication of research presented at national and international scientific conferences in the field of materials science.

Guest Editors are responsible for quality control, the peer review ...

[View full aims & scope](#)

\$200 ⓘ

Article publishing charge
for open access

68 days

Review time

70 days

Submission to acceptance



[View all insights](#)

Articles

[Latest published](#)

[Articles in press](#)

[Top cited](#)

[Most downloaded](#)





ScienceDirect

Materials Today: Proceedings

Volume 64, Part 5, 2022, Pages 1671-1678

Enhancement on the electrical and optical behaviour of ZnFe₂O₄ nano particles via transition metal substitution

K. Tamilarasi^a, P. Aji Udhaya^b, M. Meena^c

Show more ▾

Share Cite

<https://doi.org/10.1016/j.matpr.2022.05.351>[Get rights and content](#)

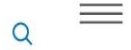
Abstract

The present study aimed to investigate the behavior of nano Zinc Ferrite particles by copper substitution in various concentrations in order to fabricate novel material for future use in optoelectronic and electromagnetic shielding devices. To that end, Nano crystalline Zn-Cu ferrites (Cu_(1-x)Zn_xFe₂O₄: x=0, x=0.25, x=0.5, x=0.75 and x=1) were prepared using combustion technique with egg white as a fuel. The prepared powder samples were investigated by various characterization methods such as X-ray diffraction analysis (XRD), High resolution scanning electron microscope analysis (HRSEM), UV-Vis- DRS spectra and electrical analysis. The physical investigations of the final product revealed that the lattice structure of Cusubstituted at Znsites developed the spinel ferrite particles with single crystalline phase at room temperature (RT), with morphological, optical and temperature dependent electric properties. Substitution of transition metals has a significant impact on the microstructure, crystal structure, electrical parameters and optical properties of zinc ferrite nanoparticles, according to the findings. Furthermore, the dielectric constant (ϵ_r) and dielectric loss ($\tan\delta$) are investigated and found to be strongly dependent on frequency and temperature. Enhancements of electrical resistivity of mixed ferrites suggest the use of these ferrites in EM shielding devices.

Introduction

Spinel ferrites have recently fascinated the attention of many researchers due to their valuable electrical and magnetic properties, application in information storage systems, microwave absorbers, high frequency devices, and environmental cleanser [1]. Semiconducting ferrites are thought to be excellent dielectric materials with high resistivity and a wide range of application areas. Because nanoparticle size, shape, crystallinity, and particle size distribution all have an impact on the physical, chemical, and electrical properties of particles [2]. The distinctive properties of ferrites are heavily influenced by the stoichiometric composition and synthesis techniques [3]. Between several ferrites, zinc ferrite has a high electromagnetic achievement, excellent chemical stability, moderate thermal co-efficient, moderate energy transfer efficiency, and a low coercivity. However, replacing transition metals in ferrites is a hopeful method of controlling their physical properties, potentially improving their catalytic and magnetic properties. Due to the widespread usage of electronic equipment such as electrical and telecommunication devices in various applications, the problem of electromagnetic interference (EMI) has exploded in recent years. Materials with highlighted magnetic properties are the choice of material for the above mentioned issues [4]. Because of their unique magnetic properties, mixed ferrites are now the desired materials for EM shielding or EM absorption. Even though so many researchers reported mixed ferrites nano particles for EM shielding applications, Single step cost effective unique behavioral ferrites





Source details

Journal of Molecular Structure

Scopus coverage years: from 1967 to Present

Publisher: Elsevier

ISSN: 0022-2860

Subject area: Chemistry: Inorganic Chemistry Chemistry: Analytical Chemistry Chemistry: Spectroscopy
Chemistry: Organic Chemistry

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
6.0

SJR 2022 ⓘ
0.482

SNIP 2022 ⓘ
0.954

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

ⓘ Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ⌵

$$6.0 = \frac{46,017 \text{ Citations 2019 - 2022}}{7,633 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$7.0 = \frac{59,553 \text{ Citations to date}}{8,464 \text{ Documents to date}}$$

Last updated on 05 March, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Chemistry		
└ Inorganic Chemistry	#19/78	76th
Chemistry		
└ Analytical Chemistry	#39/141	72nd
Chemistry		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



NEW

The power of the Web of Science™ on your mobile device, wherever inspiration strikes.

Dismiss

Learn More

Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Refine Your Search Results

Journal of Molecular Structure

Search

Sort By: Relevancy

Search Results

Found 964 results (Page 1)

Share These Results

Exact Match Found

JOURNAL OF MOLECULAR STRUCTURE

Publisher: ELSEVIER , RADARWEG 29, AMSTERDAM, Netherlands, 1043 NX

ISSN / eISSN: 0022-2860 / 1872-8014

Web of Science Core Collection: Science Citation Index Expanded

Additional Web of Science Indexes: Current Contents Physical, Chemical & Earth Sciences | Essential Science Indicators

Share This Journal

View profile page

* Requires free login.

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Other Possible Matches





Journal of Molecular Structure

Supports open access

6

CiteScore

3.8

Impact Factor

Articles & Issues

About

Publish

Order journal

Search in this journal

Submit your article

Guide for authors

About the journal

The *Journal of Molecular Structure* is dedicated to the publication of full-length articles and review papers, providing important **new structural information** on all types of chemical species including:

• Stable and unstable **molecules** in all types of environments (vapour, molecular beam, liquid, ...)

[View full aims & scope](#)

\$3530

Article publishing charge
for open access

10 days

Time to first decision

67 days

Review time

82 days

Submission to acceptance

[View all insights](#)

Editor-in-Chief [View full editorial board](#)

Articles

Latest published | Articles in press | Top cited | Most downloaded | Most popular

Research article • Abstract only

Synthesis and antibacterial activities of novel hybrid molecules based on benzothiazole, benzimidazole, benzoxazole, and pyrimidine derivatives, each connected to *N*-arylacetamide and benzoate groups

Ahmed H.M. Elwahty, ... Ismail A. Abdeltamid
2 July 2024

Research article • Abstract only

The effect of ligand/ metal-ligand ratio on the structural architectures of five different 1D zinc(II) coordination polymers with pyridyl derivative ligands

Juan Song, ... Hui-Ying Dai
2 July 2024

Research article • Abstract only

A novel and efficient boron-containing magnetic catalyst based on graphene oxide (GO-Fe₂O₄-BF₃) for synthesis of pyrazole and pyranopyrazole derivatives

Laila Amin-zirrol, ... Soheba Khadrachet
2 July 2024

Research article • Abstract only

X-ray diffraction, structural analysis, quantum reactivity studies, molecular interactions, spectroscopic insights and antiepileptic activities of [Cu(C₇N₂H₈O₂)₂(NO₂)(H₂O)₂]⁺NO₂⁻ hybrid material by molecular docking

Wydene Nabil, ... Kamel Kaabi
2 July 2024

Research article • Abstract only

System energy and band gap prediction of titanium dioxide based on machine learning

Shengbin Chen, ... Bin Hu
2 July 2024

Research article • Abstract only

Probing the interaction of an antiviral drug 8-methoxy-3-nitro-2-(4-methoxyphenyl)-2H-chromene (MNC) with DNA by experimental and computational approach

Dipak Kumar Sahoo, Nilima Priyadarini Mishra
2 July 2024

Research article • Abstract only

Structure, dielectric, and energy storage properties of perovskite CaTiO₃ ceramic synthesized using the natural calcium from Pansi shell (*Corbicula mookiana*) waste

Tjo Putra Wendari, ... Graeme R. Blake
2 July 2024

Research article • Abstract only

Investigating structural dynamics and sensing capabilities: Spectroscopic and DFT analysis of novel AIEE active deferasirox based organic sensor

Sania, ... Sohail Anjum Shafrizad
2 July 2024

[Read latest issue](#)

More from Journal of Molecular Structure





Journal of Molecular Structure

Volume 1253, 5 April 2022, 132214

Raman spectroscopic study of cinnamyl-1 diphenylmethyl-4 piperazine (Cinnarizine) at high pressure

Jaimin U. Trivedi^a, Pallavi Ghalsasi^a, Somnath Ganguly^b, **S.J. Jenepha Mary**, C. James^d

Show more

Share Cite

<https://doi.org/10.1016/j.molstruc.2021.132214>

[Get rights and content](#)

Highlights

- High pressure Raman spectroscopic measurements have been carried out on Cinnarizine up to 15.3 GPa.
- The compound develops broader bands with pressure with some modes changing from ~0.9 GPa.
- Change in $d\omega/dP$ values indicate phase changes around ~2.7, ~5, ~7.5 ~9 and ~1112 GPa.
- Most of the modes show irreversible changes with pressure with pressure and do not recover at all after decompression of the sample whereas other vibrational modes involving rings 1,2 and 3 do show partial recovery after decompression.
- Pressure induced phase transition below 1 GPa and ensuing disorder could have an effect on the solubility, dissolution and pharmacokinetics of the solid drug.
- As tableting pressures are around 0.20,5 GPa, it is likely that a tableted form could have a different profile and they need to be checked for physicochemical behavior and PK/PD.

Abstract

Raman spectra of Cinnarizine in the 35–3400 cm^{-1} region were studied at high pressures up to 15.3 GPa, using a Diamond Anvil Cell. Broadening of bands is observed starting from ~0.9 up to ~11–12 GPa pressures as evidenced by the changes in the Raman spectra of some modes. Plots of frequency vs pressure of bands, show increase of frequency with pressure for most of the bands and the slopes, $d\omega/dP$, of some bands show clear changes around ~2.7, ~5, ~7.5 ~9 and ~11–12 GPa indicating phase transformation caused by changes in structure and chemical bonds at these pressures. The present article describes high pressure effects on cinnarizine studied by Raman Spectroscopy and is supported by





Source details

Spectroscopy Letters

Scopus coverage years: from 1968 to Present

Publisher: Taylor & Francis

ISSN: 0038-7010 E-ISSN: 1532-2289

Subject area: Physics and Astronomy: Atomic and Molecular Physics, and Optics Chemistry: Analytical Chemistry
Chemistry: Spectroscopy

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
2.4

SJR 2022 ⓘ
0.249

SNIP 2022 ⓘ
0.461

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$2.4 = \frac{667 \text{ Citations 2019 - 2022}}{274 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$2.9 = \frac{711 \text{ Citations to date}}{243 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Physics and Astronomy		
└ Atomic and Molecular Physics, and Optics	#140/211	33rd
Chemistry		
└ Analytical Chemistry	#94/141	33rd
Chemistry		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage
- Open Access
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

Spectroscopy Letters [Search](#)

Sort By: Relevancy

Search Results

Found 234 results (Page 1) [Share These Results](#)

Exact Match Found

SPECTROSCOPY LETTERS

Publisher: TAYLOR & FRANCIS INC , 530 WALNUT STREET, STE 850, PHILADELPHIA, USA, PA, 19106

ISSN / eISSN: 0038-7010 / 1532-2289

Web of Science Core Collection: Science Citation Index Expanded

Additional Web of Science Indexes: Current Contents Physical, Chemical & Earth Sciences | Essential Science Indicators

[Share This Journal](#) [View profile page](#)

* Requires free login.

Other Possible Matches

APPLIED SPECTROSCOPY

Publisher: SAGE PUBLICATIONS INC , 2455 TELLER RD, THOUSAND OAKS, USA, CA, 91320

ISSN / eISSN: 0003-7028 / 1943-3530

Web of Science Core Collection: Science Citation Index Expanded



Taylor & Francis Online Log in | Register Cart

Home ▶ All Journals ▶ Spectroscopy Letters



Spectroscopy Letters

An International Journal for Rapid Communication

Publish open access in this journal

Covers experimental and theoretic work on all types of spectroscopy across disciplines, from mass and molecular to X-ray, microwave and laser spectroscopy.

[Submit an article](#) ▼ |
 [About this journal](#) ▼ |
 [Browse all articles & issues](#) ▼ |
 [Alerts & RSS feed](#) ▼ |
 [Buy a subscription](#)

Journal overview

Aims and scope	
Journal metrics >	Editorial board >
Instructions for authors >	
<p><i>Spectroscopy Letters</i> provides vital coverage of all types of spectroscopy across all the disciplines where they are used—including novel work in fundamental spectroscopy, applications, diagnostics and instrumentation. The audience is intended to be all practicing spectroscopists across all scientific (and some engineering) disciplines, including: physics, chemistry, biology, instrumentation science, and pharmaceutical science.</p>	
<p>Read full aims and scope</p>	

Explore articles



Taylor & Francis Online Log In | Register | Cart

Home ▶ All Journals ▶ Spectroscopy Letters ▶ List of Issues ▶ Volume 55, Issue 7 ▶ Vibrational spectroscopic signatures, ef ...

Spectroscopy Letters >
An International Journal for Rapid Communication
Volume 55, 2022 - Issue 7

130 1 0
Views CrossRef citations to date Altmetric

Research Articles

Vibrational spectroscopic signatures, effect of rehybridization and hyperconjugation on the dimer molecule of N-(4-chlorophenyl)-2-[(4,6-di-aminopyrimidin-2-yl)sulfanyl]acetamide- quantum computational approach

S. J. Jenepha Mary, Sayantan Pradhan & C. James ✉

Pages 447-463 | Received 04 Dec 2021, Accepted 23 Jun 2022, Published online: 13 Jul 2022

🗨️ Cite this article <https://doi.org/10.1080/00387010.2022.2098339> 🔄 Check for updates

Sample our Physical Sciences Journals
 ➔ Sign in here to start your access to the latest two volumes for 14 days

[Full Article](#)
[Figures & data](#)
[References](#)
[Supplemental](#)
[Citations](#)
[Metrics](#)

[Reprints & Permissions](#)
Read this article

Abstract

The antiviral active molecule N-(4-chlorophenyl)-2-[(4,6-di-aminopyrimidin-2-yl)sulfanyl] acetamide has been characterized to obtain vibrational signatures via Raman and Fourier transform infrared spectroscopy, comparing the results generated by ab initio calculations. The density functional theory model, performed by GAUSSIAN 09 packages, based on the Becke, 3-parameter, Lee-Yang-Parr exchange correlation functions augmented with 6-311++(d,p) basis set. The geometric equilibrium, inter and intra-molecular hydrogen bond, and harmonic vibrational wavenumbers of N-(4-chlorophenyl)-2-[(4,6-di-aminopyrimidin-2-yl)sulfanyl]acetamide were explored with density functional theory. The stereo-electronic interactions, leading to stability were confirmed using natural bond orbital analysis, which has been further substantiated by vibrational spectral analysis. Hirshfeld surface gives an insight into intermolecular contacts within the Crystal structure. The optimized geometry shows a non-planar structure between the phenyl ring and the pyrimidine ring. Differences in the geometries due to the substitution of the electronegative chlorine atom, intramolecular and intermolecular contacts due to the amino pyrimidine were analyzed. NBO analysis reveals the formation of two strong stable hydrogen bonded N-H...N intermolecular interactions and weak intramolecular interactions C-H...O and N-H...O. The Hirshfeld surfaces and consequently the 2D-fingerprint confirm the nature of intermolecular interactions and their quantitative contributions toward the crystal packing. The red shift in N-H stretching frequency exposed from IR substantiate the formation of N-H...N intermolecular hydrogen bond. The pharmacokinetic properties were investigated from adsorption, distribution, metabolism, excretion and toxicity results. In-silico docking shows the inhibition activity against virus.

Q Keywords: Density functional theory (DFT) FT-IR and Raman spectra hyperconjugation molecular docking rehybridization SARS-CoV-2





Source details

Fermentation

Open Access ⓘ

Scopus coverage years: from 2015 to Present

Publisher: Multidisciplinary Digital Publishing Institute (MDPI)

E-ISSN: 2311-5637

Subject area: Agricultural and Biological Sciences: Plant Science

Biochemistry, Genetics and Molecular Biology: Biochemistry, Genetics and Molecular Biology (miscellaneous)

View all ▾

Source type: Journal

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 **3.7** ⓘ

SJR 2022 **0.518** ⓘ

SNIP 2022 **0.999** ⓘ

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore ²⁰²² ▾

3.7 = $\frac{4,742 \text{ Citations } 2019 - 2022}{1,283 \text{ Documents } 2019 - 2022}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

3.8 = $\frac{8,402 \text{ Citations to date}}{2,194 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Agricultural and Biological Sciences	#158/487	67th
└ Plant Science		
Biochemistry, Genetics and Molecular Biology	#31/79	61st
└ Biochemistry, Genetics and Molecular Biology (miscellaneous)		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage
- Open Access
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

Search

Sort By: Relevancy

Search Results

Found 5 results (Page 1) [Share These Results](#)

Exact Match Found

FERMENTATION-BASEL OPEN ACCESS

Publisher: MDPI , ST ALBAN-ANLAGE 66,
BASEL, SWITZERLAND, CH-4052

ISSN / eISSN: 2311-5637

Web of Science Core Collection: **Science Citation Index Expanded**

Additional Indexes: **Biological Abstracts | BIOSIS Previews |
Web of Science Current Contents Life Sciences |
Essential Science Indicators**

[Share This Journal](#)
View profile page

* Requires free login.

Other Possible Matches

JOURNAL OF FOOD PROTECTION OPEN ACCESS

Publisher: ELSEVIER , RADARWEG 29,
AMSTERDAM, Netherlands, 1043 NX

ISSN / eISSN: 0362-028X / 1944-9097

Web of Science Core Collection: **Science Citation Index Expanded**





Search for Articles:

Title / Keyword

Author / Affiliation / Email

Fermentation

All Article Types

[Search](#)

[Advanced](#)

[Journals](#) / [Fermentation](#)

IMPACT FACTOR
3.7

CITESCORE
3.7



[Submit to Fermentation](#)

[Review for Fermentation](#)



Journal Menu

- [Fermentation Home](#)
- [Aims & Scope](#)
- [Editorial Board](#)
- [Topical Advisory Panel](#)
- [Instructions for Authors](#)
- [Special Issues](#)
- [Topics](#)
- [Sections & Collections](#)
- [Article Processing Charge](#)
- [Indexing & Archiving](#)
- [Editor's Choice Articles](#)
- [Most Cited & Viewed](#)
- [Journal Statistics](#)
- [Journal History](#)
- [Journal Awards](#)
- [Conferences](#)
- [Editorial Office](#)

Journal Browser

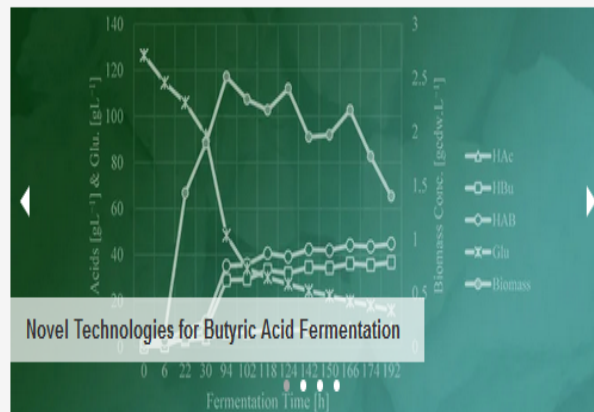
volume

issue

[Go](#)

- > [Forthcoming issue](#)
- > [Current issue](#)

- [Vol. 10 \(2024\)](#)
- [Vol. 9 \(2023\)](#)
- [Vol. 8 \(2022\)](#)
- [Vol. 5 \(2019\)](#)
- [Vol. 4 \(2018\)](#)
- [Vol. 3 \(2017\)](#)



Fermentation

Fermentation is an international, peer-reviewed, open access journal on fermentation process and technology published monthly online by MDPI.

- **Open Access** — free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.
- **High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubAg](#), [FSTA](#), [Inspec](#), [CAPlus / SciFinder](#), and [other databases](#).
- **Journal Rank:** JCR - Q2 (*Biotechnology & Applied Microbiology*) / CiteScore - Q2 (*Plant Science*)
- **Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2023).
- **Recognition of Reviewers:** reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.

Impact Factor: 3.7 (2022); 5-Year Impact Factor: 4.5 (2022)

[Imprint Information](#) [Journal Flyer](#) [Open Access](#) ISSN: 2311-5637

Latest Articles

[Open Access](#) [Article](#)

11 pages, 708 KiB

Differences in the Behavior of Anthocyanin Coloration in Wines Made from *Vitis vinifera* and Non-*vinifera* Grapes

by Tohru Okuda, Kyohei Maeda, Itsuki Serizawa, Fumie Watanabe-Saito and

E-Mail Alert

Add your e-mail address to receive forthcoming issues of this journal:

[Subscribe](#)

News

2 April 2024

[MDPI Insights: The CEO's Letter #10 - South Korea, IWD, UZA, Japan](#)

4 March 2024

[MDPI Insights: The CEO's Letter #9 - Romania, Research Integrity, Viruses](#)

20 February 2024

[Meet the Editors | Interview with Prof. Dr. Antonio Morata—Section Editor-in-Chief of Section "Fermentation for Food and Beverages" in Fermentation](#)

[More News & Announcements...](#)

Topics

[Propose a Topic](#)

Topic in [Beverages](#), [Fermentation](#), [Foods](#), [Molecules](#), [Separations](#)

[Advances in Analysis of Flavors and Fragrances: Chemistry, Properties and Applications in Food Quality Improvement](#)

Topic Editors: Ana Leahu, Maria Soledad Prats Moya, Cristina Ghinea

Deadline: 31 May 2024



Article

Synthesis, Characterization, Antibacterial, Antifungal, Antioxidant, and Anticancer Activities of Nickel-Doped Hydroxyapatite Nanoparticles

Saleth Sebastianmal ^{1,*}, Arul Sigamani Lesly Fathima ^{1,*}, Johnson Henry ², Mohammad Ahmad Wadaan ³, Shahid Manboob ⁴, Arwa Mohammad Wadaan ⁴, Irfan Manzoor ⁵, Kasi Gopinath ⁶, Mohan Rajeswary ⁷ and Marimuthu Govindarajan ^{8,9,*}



Citation: Sebastianmal, S.; Fathima, A.S.L.; Henry, J.; Wadaan, M.A.; Mahboob, S.; Wadaan, A.M.; Manzoor, I.; Gopinath, K.; Rajeswary, M.; Govindarajan, M. Synthesis, Characterization, Antibacterial, Antifungal, Antioxidant, and Anticancer Activities of Nickel-Doped Hydroxyapatite Nanoparticles. *Fermentation* **2022**, *8*, 677. <https://doi.org/10.3390/fermentation8120677>

Academic Editor: Nadezhda Sachivkina

Received: 25 October 2022
Accepted: 24 November 2022
Published: 26 November 2022

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2022 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

- ¹ Research Department of Physics, Holy Cross College (Autonomous), Nagercoil 629004, Tamil Nadu, India. (Affiliated to Manonmaniam Sundaranar University, Tirunelveli 627012, Tamil Nadu, India)
 - ² Department of Physics, Manonmaniam Sundaranar University, Tirunelveli 627012, Tamil Nadu, India
 - ³ Department of Zoology, College of Science, King Saud University, Riyadh 11451, Saudi Arabia
 - ⁴ College of Medicine, AlMaarefa University, Dariyah 13713, Saudi Arabia
 - ⁵ Department of Biology, Indiana University Bloomington, Bloomington, IN 47405, USA
 - ⁶ Division of Packaging Technology, Faculty of Agro-Industry, Chiang Mai University, Chiang Mai 50200, Thailand
 - ⁷ PG and Research Department of Zoology, ADM College for Women (Autonomous), Nagapattinam 611 001, Tamil Nadu, India
 - ⁸ Unit of Vector Control, Phytochemistry and Nanotechnology, Department of Zoology, Annamalai University, Annamalai Nagar 608 002, Tamil Nadu, India
 - ⁹ Unit of Natural Products and Nanotechnology, Department of Zoology, Government College for Women (Autonomous), Kumbakonam 612 001, Tamil Nadu, India
- * Correspondence: sebastianmal.s@holycrossngl.edu (S.S.); drgovind1979@gmail.com or dr.m.govindarajan@gcwk.ac.in (M.G.); Tel.: +91-9585265999 (M.G.)

Abstract: The purpose of this research was to investigate the possible antibacterial, antifungal, antioxidant, and anticancer effects of nickel (Ni²⁺)-doped hydroxyapatite (HAp) nanoparticles (NPs) synthesized using the sol-gel approach. X-ray powder diffraction (XRD), Fourier transform infrared spectroscopy (FTIR), Raman spectroscopy (Raman), field-emission scanning electron microscopy (FESEM), and elemental analysis were used to characterize the Ni²⁺-doped HApNPs. X-ray diffraction investigation showed that the nanoscale structure of Ni²⁺-doped HApNPs was hexagonal, with an average crystallite size of 39.91 nm. Ni²⁺-doped HApNPs were found to be almost spherical in form and 40–50 nm in size, as determined by FESEM analysis. According to EDAX, the atomic percentages of Ca, O, P, and Ni were 20.93, 65.21, 13.32, and 0.55, respectively. Ni²⁺-doped HApNPs exhibited substantial antibacterial properties when tested in vitro against several pathogens, including *Escherichia coli*, *Shigella flexneri*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and *Staphylococcus aureus*. Antibacterial activity, at 50 mg tested concentration, demonstrated superior effects on G^{-ve} bacteria than G^{+ve} pathogens. The antifungal activity of *Oidium caricae*, *Aspergillus flavus*, and *A. niger* revealed a zone of inhibition of 23, 11, and 5 mm, respectively. These actions rely on the organism's cell wall structure, size, and shape. Incorporating Ni²⁺ into HApNPs allows them to function as powerful antioxidants. Ni²⁺-doped HApNPs had a good cytotoxic impact against the HeLa cell line, which improved with increasing concentration and was detected at a 68.81 µg/mL dosage. According to the findings of this study, the Ni²⁺-doped HApNPs are extremely promising biologically active candidates owing to their improved functional features.

Keywords: green synthesis; bionanomaterials; hydroxyapatite; antimicrobial activity; cytotoxic effect; HeLa cell line



Source details

Ymer

Scopus coverage years: 1980, from 1984 to 1986, from 1988 to 2000, from 2002 to 2023

Publisher: University of Stockholm

ISSN: 0044-0477

Subject area: Social Sciences: Geography, Planning and Development
Environmental Science: Management, Monitoring, Policy and Law

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
0.2

SJR 2022 ⓘ
0.109

SNIP 2022 ⓘ
0.139

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.2 = \frac{9 \text{ Citations 2019 - 2022}}{45 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.4 = \frac{15 \text{ Citations to date}}{39 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
Geography, Planning and Development	#735/779	5th
Environmental Science		
Management, Monitoring, Policy and Law	#375/384	2nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)

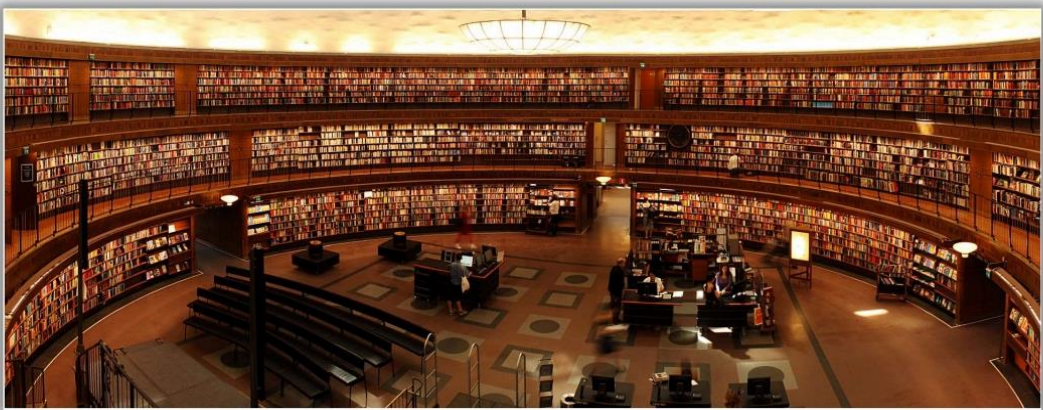


YMER



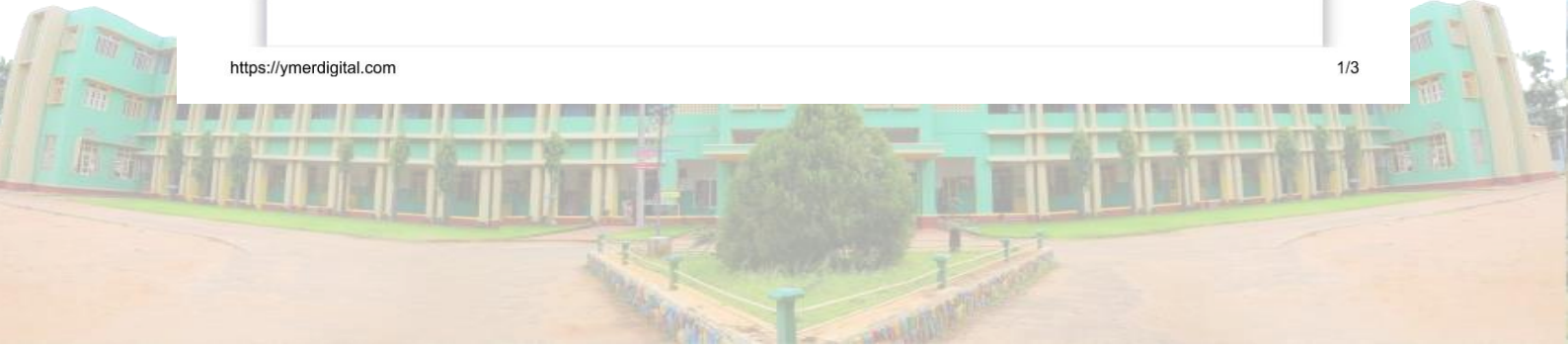
Welcome to YMER

YMER is an International Open Access Journal having [ISSN NO: 0044-0477](#), All The Articles Published Under This Journal Will Be Accessible To All Internet Users Throughout The World Without Any Barrier Of Access Under The Terms Of The Creative Commons Attribution License. Our Journal Covers Publication Of Novel Concepts, New Methods, New Regimens, New Technologies, Alternative Approaches And Promises To Provide Most Authentic And Complete Source Of Information On Current Development In All Educational Fields.



OUR UNIVERSITY

Accredited by the Distance Education Accrediting Commission (DEAC) and partnered with top universities worldwide, University People offers degree programs in Business Administration, Computer Science, Health Science, and Education.



Purification and Characterization of a Sialic Acid Specific Lectin Isolated from the Marine Crab *Grapsus albolineatus* (GaLec)

Rathika, RK¹, *Mary Mettilda Bai, S², Vinoliya Josephine Mary, J³, Citarasu, T⁴, Sebastiammal, S⁵ and Vargila, F⁶.

1. Research Scholar, (Reg. No. 18113042192011), Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India. rathiramesh1994@gmail.com
2. Assistant professor, Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, metti.silvester@gmail.com.
3. Assistant professor, Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, vinoliya75@gmail.com.
4. Associate Professor, Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, Citarasu@msuniv.ac.in.
5. Assistant professor, Dept of Physics, Holy Cross College (Autonomous), Nagercoil, sebastiscc@gmail.com
6. Research Associate, Biomeitez Research & Development Pvt Ltd, K.K.Dist. vargif@gmail.com.

Abstract

Lectins one of the defensive protein molecules have become the focus of intense interest for biologists and in particular for the research and applications in medicine. In this study, a lectin GaLec was purified from the marine crab *Grapsus albolineatus* by affinity chromatography using Fetuin-Sepharose 4B column. GaLec showed specific affinity for rat erythrocytes as evident from the hemagglutination assay. Physico chemical analysis of the GaLec demonstrated high hemagglutination activity ranging from pH 7.5 to 9 and temperature 0 to 40°C. The GaLec was dependent on calcium, magnesium and manganese. It was reversibly sensitive to EDTA and trisodium citrate. Hemagglutination activity was inhibited by the sugar N-acetyl D-glucosamine and N-acetyl D-galactosamine and the glycoproteins fetuin and lactoferrin. Reduction in HAI with disialylated fetuin confirms the sialic acid specificity of the lectin. The reduction of HAI following de-O-acetylation confirms the specificity of the lectin for O-acetyl sialic acid.

Keywords: *Grapsus albolineatus*, Fetuin, Sepharose, EDTA, Hemagglutination, Sialic acid



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

- Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

"Indian Journal of Natural Sciences" Search

Sort By: Title (A-Z)

Search Results

Found 1 results (Page 1) Share These Results

Exact Match Found

INDIAN JOURNAL OF NATURAL SCIENCES Publisher: TAMIL NADU SCIENTIFIC RESEARCH ORGANISATION, NO 46-141, MEENAKSHIPURAM RD, NEAR POST OFFICE, PUDUKKOTTAI DIST, TAMIL NADU, INDIA, ARIMALAM, 622 201 ISSN / eISSN: 0976-0997 Additional Web of Science Indexes: Zoological Record Share This Journal View profile page *Requires free login.





TamilNadu Scientific Research Organisation

SCIENCE FOR RURAL PROSPERITY

- Home
- About Us
- Aims & Objectives
- Legal Status
- Achievements
- Membership
- Events
- Students Project
- MoUs
- Community Radio Station
- Plant Science Research Division (PSRD)
- Holistic Health Sciences & Research
- Organization Structure
- Infrastructure
- Current Activities
- Annual Report
- Research Journal
- Projects
- Publications
- Donate
- Documents / Reports
- Gallery
- News Clippings
- FAQs
- Contact us



[Annual Reports](#) 
[Research Journal](#) 
[Send Your Articles](#) 

Research Journal



Connecting People with Nature

INDIAN JOURNAL OF NATURAL SCIENCES

ISSN: 0976-0997 (Print, Bimonthly) Multidisciplinary Sciences

Regd.Off : C/o TNSRO, NO 46-141, Meenakshipuram Rd, Arimalam 622 201, Pudukkottai, Tamil Nadu, India



INTERNATIONAL
Scientific Indexing

ISI IMPACT FACTOR : 2.452 - 2022-2023



[Click Here to See Policy](#)

Tamil Nadu Scientific Research Organization is working for the promotion of society by transferring science & technology since 1997. We are very keen in appreciating and recognizing the contribution of every one of you. We are publishing Indian Journal of Natural Sciences - IJONS from August 2010. The Journal is peer reviewed International Journal for publication of Original Research papers /Reviews/ Short communications/Book reviews/Reports on conferences/Seminar, Important events, News of interest, Special articles, General articles etc.

Call for Papers: Investigations related to science in all branches

Subjects to be Covered

Physics, Chemistry, Botany, Zoology, Agricultural Sciences, Veterinary Sciences, Geosciences, Aero science, Atmospheric science, Plant science, Animal health, Environmental science, Economic Science, Social Science, Mathematics, Engineering and Technology, Space science and Astronomy, Information and communication, Biotechnology, Biomedicine, Medical Science, Linguistics Science, Earth Science, Statistical Science, Computer Science, Microbiology, Life Science, Environmental Engineering, Computational Biology, Indigenous and Alternative Medicines, Anthropology, Linguistic and Humanities, Earth Sciences and other Natural Sciences,





Anti-Diabetic Activity of Chelating Bis N- Propylethylenediamine Zinc Complex

M. Jaya Brabha¹ and M. Anitha Malbi^{2*}

¹Research Scholar (Reg.No: 18123042032015), Department of Chemistry, Holy Cross College, Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.

²Assistant Professor, Department of Chemistry, Holy Cross College, Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.

Received: 26 Sep. 2021

Revised: 12 Oct 2021

Accepted: 30 Oct 2021

*Address for Correspondence

M. Anitha Malbi

Assistant Professor,

Department of Chemistry,

Holy Cross College, Nagercoil,

Affiliated to Manonmaniam Sundaranar University,

Tirunelveli, Tamil Nadu, India.

Email: anithamalbi@holycrossngl.edu



This is an Open Access Journal / article distributed under the terms of the [Creative Commons Attribution License \(CC BY-NC-ND 3.0\)](https://creativecommons.org/licenses/by-nc-nd/3.0/) which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. All rights reserved.

ABSTRACT

Metals are an integral part of many structural and functional components in the body, and the critical role of metals in physiological and pathological processes has always been of interest to researchers. Metals have been used in the treatment of diseases of humans since ancient time. The primary objective of the study was to describe anti-diabetic activity by bis N-propylethylenediamine zinc (II) complex. The synthesised complex was characterised by elemental analysis, FTIR, powder X-ray diffraction and EDAX. Stability of the complex was determined by TGA & DTA. Anti-Diabetic activity was studied by invitro alpha glucosidase and alpha amylase assay.

Keywords: Chelate complex, Charge Transfer Transition, Thermal analysis, Co-ordination Compound, Alpha glucosidase and Alpha amylase

INTRODUCTION

It is also known as simply diabetes, is a group of metabolic diseases in which there are high blood sugar levels over a prolonged period. This high blood sugar produces the symptoms of frequent urination, increased thirst, and increased hunger. The common symptom of diabetes includes poly uria (frequent urination), polydipsia (increased thirst) and poly phagia (increased appetite). [1] Diabetes is due to either the pancreas not producing enough insulin, or the cells of the body not responding properly to the insulin produced. [2] Metal complexes are playing an

38947



Source details

Journal of Molecular Structure

Scopus coverage years: from 1967 to Present

Publisher: Elsevier

ISSN: 0022-2860

Subject area: [Chemistry: Inorganic Chemistry](#) [Chemistry: Analytical Chemistry](#) [Chemistry: Spectroscopy](#)

[Chemistry: Organic Chemistry](#)

Source type: Journal

[View all documents >](#)

[Set document alert](#)

[Save to source list](#)

CiteScore 2022

6.0

[i](#)

SJR 2022

0.482

[i](#)

SNIP 2022

0.954

[i](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 [v](#)

$$6.0 = \frac{46,017 \text{ Citations } 2019 - 2022}{7,633 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 [i](#)

$$7.1 = \frac{59,743 \text{ Citations to date}}{8,464 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 [i](#)

Category	Rank	Percentile
Chemistry		
└ Inorganic Chemistry	#19/78	76th
Chemistry		
└ Analytical Chemistry	#39/141	72nd
Chemistry		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site !\[\]\(6cbc1ccb83d054cfccdd556bf6cbdae8_img.jpg\)](#)



Master Journal List

Search Journals

Match Manuscript

Downloads

Help C



The power of the Web of Science™ on your mobile device, wherever inspiration strikes.

Dismiss

Learn More

Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Refine Your Search Results

Journal of Molecular Structure

Search

Sort By: Relevancy

Search Results

Found 964 results (Page 1)

Share These Results

Exact Match Found

JOURNAL OF MOLECULAR STRUCTURE

Publisher: ELSEVIER , RADARWEG 29, AMSTERDAM, Netherlands, 1043 NX

ISSN / eISSN: 0022-2860 / 1872-8014

Web of Science Core Collection: Science Citation Index Expanded

Additional Web of Science: Current Contents Physical, Chemical & Earth Sciences | Essential Science

Indexes: Indicators

Share This Journal

View profile page

* Requires free login.

Other Possible Matches

NATURE STRUCTURAL & MOLECULAR





ScienceDirect

Journal of Molecular Structure

Supports open access

6

CiteScore

3.8

Impact Factor

[Submit your article ↗](#)[Guide for authors](#)

Menu



Search in this journal

About the journal

The *Journal of Molecular Structure* is dedicated to the publication of full-length articles and review papers, providing important **new structural information** on all types of chemical species including:

- Stable and unstable **molecules** in all types of environments (vapour, molecular beam, liquid, ...)

[View full aims & scope](#)**\$3570** ⓘArticle publishing charge
for open access**10 days**

Time to first decision

67 days

Review time

82 days

Submission to acceptance



[View all insights](#)



Computational and biological efficacy of stigmaterol against HeLa cells and Vero cells- first time isolated from the ethanolic extract of *Annonamuricata* Linn leaves

J. Irshad Ahamed^a,  Francy K^a, A. Vini Priya^b, J. PremaKumari^c, R.P. Steiny^d, P. Kamalarajan^e, B. Venkatadri^f

Show more 

 Share  Cite

<https://doi.org/10.1016/j.molstruc.2021.132186>

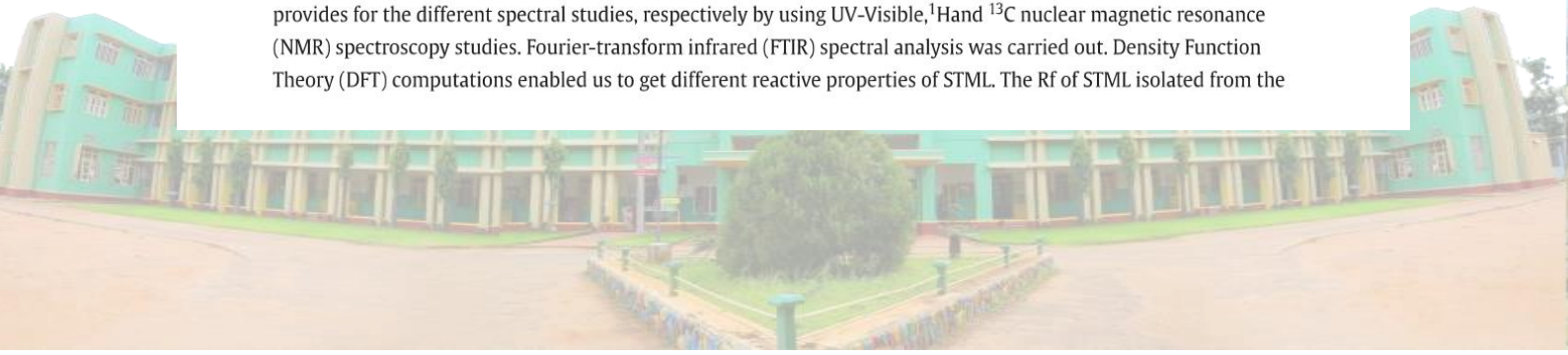
[Get rights and content](#)

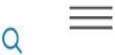
Highlights

- **Stigmaterol** (abbreviated as STML) is the first report on the isolation of STML from the leaves of *Annona muricata*.
- Structural and Spectral studies have been completed for STML by experimental and *ab initio* DFT theoretical methods at the B3LYP level with 6–311++G (d, p) basis sets.
- STML confirmed excellent **biological activities** for various *in vitro* studies of **antioxidant**, anti-inflammatory, and **cervical cancer** cells (HeLa).
- STML are showed great *in silico* **molecular docking** activity.

Abstract

The present study was aimed to analyze the *in vitro* **antioxidant**, anti-inflammatory and cytotoxicity activities of isolated bioactive compound stigmaterol (abbreviated as STML) from the leaves of *Annonamuricata*. Extraction was done using Soxhlet apparatus, TLC, column chromatography and STML in the extracts were identified by Gas-Chromatography and Mass-Spectroscopy (GC–MS) analyses. Characterizations of isolated bioactive compound stigmaterol for purity verified were performed using High-performance liquid chromatography (HPLC) technique. **Stigmaterol** compound was estimated by DPPH scavenging and ABTS assay, it showed significant values. *In vitro* cytotoxicity activity of stigmaterol was also tested HeLa cells and Vero cells and IC₅₀ values found that 11.58µg/ml and 173.8µg/ml, respectively. The different spectral analysis were also characterized by experimental and well deal with the theoretical *ab initio* Density functional theory (DFT) method at B3LYP level with 6–311++G(d,p) basis set of provides for the different spectral studies, respectively by using UV-Visible,¹Hand ¹³C nuclear magnetic resonance (NMR) spectroscopy studies. Fourier-transform infrared (FTIR) spectral analysis was carried out. Density Function Theory (DFT) computations enabled us to get different reactive properties of STML. The Rf of STML isolated from the





Source details

AIP Conference Proceedings

Scopus coverage years: from 1973 to 1978, from 1983 to 1984, 1993, from 2000 to 2001, from 2003 to Present

ISSN: 0094-243X E-ISSN: 1551-7616

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Conference Proceeding

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 ⓘ
0.7

SJR 2022 ⓘ
0.164

SNIP 2022 ⓘ
0.247

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.7 = \frac{31,947 \text{ Citations } 2019 - 2022}{43,416 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.5 = \frac{28,680 \text{ Citations to date}}{57,785 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Physics and Astronomy		
└ General Physics and Astronomy	#203/240	15th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)





CURRENT ISSUE

**Volume 3079,
Issue 1,
11 April 2024**

[VIEW THIS ISSUE](#)

AIP Conference Proceedings has been a trusted publishing partner for more than 40 years, delivering fast, affordable, and versatile publishing for maximum exposure of your meeting's key research. Our conference proceedings program reports the findings presented at scientific meetings from large international conferences to small specialist workshops. Subject areas span the physical sciences, including physics, math, chemistry, materials science, and engineering.

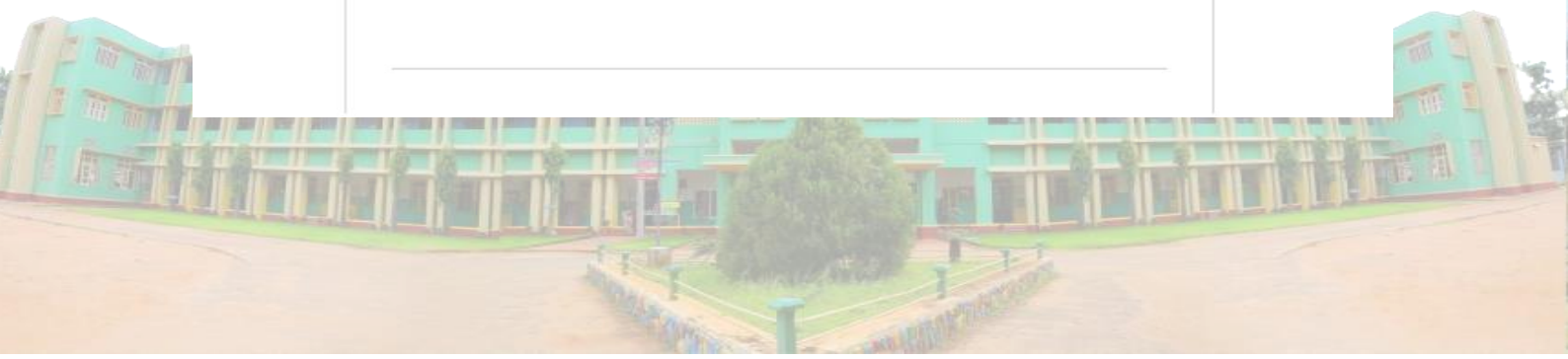
**[Publish with us -
Request a Quote!](#)**

**[What others are
saying about AIP
Conference
Proceedings](#)**

Most Recent

RESEARCH ARTICLE | APRIL 11 2024

**Preface: The fourth AI-Noor International
Conference for Science and Technology
(4NICST2022)**



RESEARCH ARTICLE | MAY 19 2022

Applications of nanostructured materials in heterogeneous catalysis: A review

B. Jone Magadelin  S. Ajith Sinthuja; Y. Christabel Shaji[+ Author & Article Information](#)

AIP Conf. Proc. 2393, 020112 (2022)

<https://doi.org/10.1063/5.0074379>

In this review, Diversified The key that is available for catalysis with regard to synthetic approaches in nanotechnology A brief survey is provided, and for applications like this Here are some examples of their usefulness. We begin by discussing applications of nano-structured materials for catalysis Well Defined Sizes, With patterns and lyrics along with heterogeneous solid supports for nanocatalysts. And, then of Let's explore functions Finally, we consider applications in heterogeneous catalysis which Plays an important role in field of catalysts. This review is about the nano structure Perspectives on future developments in the field of research and concludes the overview, in practice to date Achievements will continue to face challenges It also summarizes the detailed set of tasks undertaken in the order.

Topics

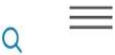
[Nanomaterials](#), [Nanotechnology](#), [Catalysts and Catalysis](#), [Review](#)

REFERENCES

1. Mansoori GA, Rohani BT, Ahmadpour A, Eshaghi Z Environmental Application of Nanotechnology. *Annual Review of Nano Research* 2: 1–73.(2008)

Starter Guide You Need for Trading





Source details

Biomedical and Biotechnology Research Journal

Open Access ⓘ

Scopus coverage years: 2017, from 2019 to Present

Publisher: Wolters Kluwer Health

ISSN: 2588-9834 E-ISSN: 2588-9842

Subject area: Biochemistry, Genetics and Molecular Biology: Biotechnology

Source type: Journal

CiteScore 2022
1.7 ⓘ

SJR 2022
0.265 ⓘ

SNIP 2022
0.319 ⓘ

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology x

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 v

$$1.7 = \frac{414 \text{ Citations 2019 - 2022}}{243 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$2.2 = \frac{699 \text{ Citations to date}}{313 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Biochemistry, Genetics and Molecular Biology	#216/299	27th
Biotechnology		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

- Filters Clear All
Web of Science Coverage
Open Access
Category
Country / Region
Language
Frequency
Journal Citation Reports

Refine Your Search Results

Biomedical and Biotechnology Research Jour Search

Sort By: Relevancy

Search Results

Found 22,395 results (Page 1) Share These Results

Exact Match Found

BIOMEDICAL AND BIOTECHNOLOGY RESEARCH JOURNAL
Publisher: WOLTERS KLUWER MEDKNOW PUBLICATIONS, WOLTERS KLUWER INDIA PVT LTD, A-202, 2ND FLR, QUBE, C T S NO 1498A-2 VILLAGE MAROL, ANDHERI EAST, MUMBAI, India, Maharashtra, 400059
ISSN / eISSN: 2588-9834 / 2588-9842
Web of Science Core Collection: Emerging Sources Citation Index
Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews
Share This Journal View profile page



About Us

About the Journal

Biomedical and Biotechnology Research Journal (BBRJ), a publication of Society of Biomedical & Biotechnology Scientists (<https://www.sbbs-soc.com>), is a peer-reviewed online journal with print on demand compilation of issues published. The BBRJ aims to publish current research related to biological and medical studies of biotechnology. It aims to promote communication among clinical researchers, physicians and biologist that works in areas related to Biotechnology, worldwide. The scope of "Biomedical and Biotechnology Research Journal (BBRJ) includes:

1. Basics studies on Nano biotechnology
2. Basics studies on Tissue Engineering
3. Basics studies on Genetics
4. Basics studies on Tissue Modeling
5. Basics studies on Immunology
6. Basics studies on Infectious Diseases
7. Nucleic Acids/Molecular Biology
8. Physiology/Biochemistry
9. Biochemical Engineering/Bioprocess Engineering
10. Computational Chemistry and Molecular Drug Design
11. Genomics and Molecular Bioinformatics
12. Biomarkers Studies
13. Proteomics

The journal's full text is available online at <http://www.bmbtrj.org>. The journal allows free access (Open Access) to its contents and permits authors to self-archive final accepted version of the articles on any OAI-compliant institutional / subject-based repository.

ISSN - Print: 2588-9834, Online: 2588-9842

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:

Baidu Scholar, Biological Abstracts, BIOSIS Previews, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

The journal is indexed with, or included in, the following:

DOAJ, Emerging Sources Citation Index, Scimago Journal Ranking, SCOPUS, Web of Science

Journal Ethics

Wolters Kluwer and Journal/Association are committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflicts of interest, patient consent, etc., please visit www.Medknow.com/EthicalGuidelines.asp

Open Access Publication and Creative Commons Licensing

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Digital Archiving

Wolters Kluwer Medknow provides for long-term digital preservation through two primary partnerships, Portico and CLOCKSS.

Portico is a leading digital preservation service worldwide. The content is preserved as an archival version and is not publicly accessible via Portico, but is provided when required under specific conditions, such as discontinuation of the collection or catastrophic failure of the website.

Editorial board

SUBMIT ARTICLE

SUBSCRIBE

POPULAR ARTICLES

JOIN AS REVIEWER

GET EMAIL ALERTS

RECOMMEND



Original Article

Structural Characterization of Inclusion Complex of Stigmasterol with Alpha-Cyclodextrin using Spectroscopy and Molecular Modeling

Kanar Francy¹, Johnson Prerna Kanar², Simon Lily Rosalini²

¹Department of Chemistry, Scott Christian College (Autonomous), Affiliated to Maromaaniam Sundaramoorthy University, ²Department of Chemistry, Holy Cross College (Autonomous), Affiliated to Maromaaniam Sundaramoorthy University, Nagercoil, Tamil Nadu, India

Abstract

Background: Stigmasterol possesses numerous physiological effects and is used as food supplements and behaves as a pharmaceutical agent. It exhibits anticancer effects against various cancers. The usefulness of the stigmasterol is restricted due to its poor solubility. To overcome this and enhance the solubility and bioavailability of this phytosterol, molecular encapsulation is utilized to augment the desirable properties of stigmasterol. This research work aims to investigate the interaction between stigmasterol and alpha-cyclodextrin (α -CD) in aqueous solution as well as in solid state and experimentally examined by spectral techniques. **Methods:** The liquid complexes are characterized by ultraviolet (UV)-visible spectroscopy and solid inclusion complexes are characterized by Fourier transform infrared resonance and ¹H nuclear magnetic resonance spectroscopy. The thermal behavior of the complex is analyzed by differential scanning calorimeter. Phase solubility studies are done to learn the solubility of the newly synthesized complex. **Results:** Formation constant from UV-visible analysis is found to be 569 M^{-1} by Benesi-Hildebrand equation. The solubility constant is calculated to be 52 M^{-1} . The results obtained prove the inclusion which is confirmed through molecular docking studies. **Conclusion:** The newly synthesized inclusion complex is a potent pharmaceutical agent in drug formulation as stigmasterol solubility is enhanced when included in the cavity of α -CD.

Keywords: Alpha-cyclodextrin, formation constant, inclusion complex, stigmasterol

INTRODUCTION

Stigmasterol, known as stigmasterin found in various medicinal plants, is an unsaturated phytosterol resembling cholesterol in both structure and function. The molecule constitutes a rigid tetracyclic backbone (6-6-6-5) with one secondary hydroxyl group at one end and one C_{10} branched hydrocarbon chain at the other end.^[1] It is a secondary metabolite used in health-enhancing constituents of natural food.^[2] According to Song *et al.*,^[3] stigmasterol possesses pharmacological properties such as cytotoxicity, antioxidant, anti-inflammatory, antimutagenic, hypoglycemic, antiosteoporotic, and antitumor activity. Despite a wide range of potential attractiveness, stigmasterol is poorly used by the pharmaceutical industry due to its low solubility, high melting point, and chalky taste.^[4] To overcome this problem, stigmasterol may be complexed with different compounds, which would enhance their physicochemical properties.^[5] One such is to form an

inclusion complex with alpha-cyclodextrin (α -CD). CDs are water-soluble, nonreducing, and macrocyclic oligosaccharides that have glucose units formed by an α -1,4 linkage with a lipophilic central cavity and a hydrophilic outer surface.^[6] CDs enhance the delivery of low water-soluble and chemically unstable drugs to the body through biological membranes by improving the bioavailability of drug molecules. In this research, we evaluate the interaction between stigmasterol and

Address for correspondence: Kanar Francy,
Department of Chemistry, Scott Christian College (Autonomous),
Affiliated to Maromaaniam Sundaramoorthy University, Nagercoil - 629 031,
Tamil Nadu, India.
E-mail: francyk28@gmail.com

ORCID: <https://orcid.org/0000-0003-4924-5745>

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

For reprints contact: WJCM@Medknow.org or reprints@widerbluem.com

How to cite this article: Francy K, Kanar JP, Rosalini SL. Structural characterization of inclusion complex of stigmasterol with alpha-cyclodextrin using spectroscopy and molecular modeling. *Biomol Biotechnol Res J* 2022;6:54-9.

Submitted: 15-Sep-2021; Revised: 29-Sep-2021;
Accepted: 23-Oct-2021; Published: 11-Mar-2023.

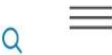
Access this article online

Quick Response Code:



Website:
www.bmbirj.org

DOI:
[10.4103/bmbirj.bmbirj_228_21](https://doi.org/10.4103/bmbirj.bmbirj_228_21)



Source details

Biomedical and Biotechnology Research Journal

Open Access ⓘ

Scopus coverage years: 2017, from 2019 to Present

Publisher: Wolters Kluwer Health

ISSN: 2588-9834 E-ISSN: 2588-9842

Subject area: Biochemistry, Genetics and Molecular Biology: Biotechnology

Source type: Journal

CiteScore 2022
1.7 ⓘ

SJR 2022
0.265 ⓘ

SNIP 2022
0.319 ⓘ

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ⓘ

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ∨

$$1.7 = \frac{414 \text{ Citations 2019 - 2022}}{243 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$2.2 = \frac{699 \text{ Citations to date}}{313 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ


Category	Rank	Percentile
Biochemistry, Genetics and Molecular Biology	#216/299	27th
Biotechnology		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Clarivate Products

Master Journal List Search Journals Match Manuscript Downloads Help C

 The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Refine Your Search Results

Biomedical and Biotechnology Research Jour [Search](#)

Sort By: Relevancy

Search Results

Found 22,395 results (Page 1) [Share These Results](#)

Exact Match Found

BIOMEDICAL AND BIOTECHNOLOGY RESEARCH JOURNAL OPEN ACCESS

Publisher: WOLTERS KLUWER MEDKNOW PUBLICATIONS , WOLTERS KLUWER INDIA PVT LTD , A-202, 2ND FLR, QUBE, C T S NO 1498A-2 VILLAGE MAROL, ANDHERI EAST, MUMBAI, India, Maharashtra, 400059

ISSN / eISSN: 2588-9834 / 2588-9842


Web of Science Core Collection: **Emerging Sources Citation Index**

Additional Web of Science Indexes: **Biological Abstracts | BIOSIS Previews**

[Share This Journal](#) [View profile page](#)

* Requires free login

Filters [Clear All](#)

- Web of Science Coverage* ▾
- Open Access  ▾
- Category ▾
- Country / Region ▾
- Language ▾
- Frequency ▾
- Journal Citation Reports ▾






Biomedical and Biotechnology Research Journal (BBRJ)
 Official publication of Society of Biomedical & Biotechnology Scientists (SBBS)

Search Go

Advanced Search

Users Online: 168   

Home About Articles Authors Search Subscribe Contact Us Login

About Us

About the Journal

Biomedical and Biotechnology Research Journal (BBRJ), a publication of Society of Biomedical & Biotechnology Scientists (<https://www.sbbs-soc.com>), is a peer-reviewed online journal with print on demand compilation of issues published. The BBRJ aims to publish current research related to biological and medical studies of biotechnology. It aims to promote communication among clinical researchers, physicians and biologist that works in areas related to Biotechnology, worldwide. The scope of "Biomedical and Biotechnology Research Journal (BBRJ)" includes:

1. Basics studies on Nano biotechnology
2. Basics studies on Tissue Engineering
3. Basics studies on Genetics
4. Basics studies on Tissue Modeling
5. Basics studies on Immunology
6. Basics studies on Infectious Diseases
7. Nucleic Acids/Molecular Biology
8. Physiology/Biochemistry
9. Biochemical Engineering/Bioprocess Engineering
10. Computational Chemistry and Molecular Drug Design
11. Genomics and Molecular Bioinformatics
12. Biomarkers Studies
13. Proteomics

The journal's full text is available online at <http://www.bmbtrj.org>. The journal allows free access (Open Access) to its contents and permits authors to self-archive final accepted version of the articles on any OAI-compliant institutional / subject-based repository.

ISSN - Print: 2588-9834, Online: 2588-9842

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:

Baidu Scholar, Biological Abstracts, BIOSIS Previews, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

The journal is indexed with, or included in, the following:

DOAJ, Emerging Sources Citation Index, Scimago Journal Ranking, SCOPUS, Web of Science

Journal Ethics

Wolters Kluwer and Journal/Association are committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflicts of interest, patient consent, etc., please visit www.Medknow.com/EthicalGuidelines.asp

Open Access Publication and Creative Commons Licensing

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Digital Archiving

Wolters Kluwer Medknow provides for long-term digital preservation through two primary partnerships, Portico and CLOCKSS.

Portico is a leading digital preservation service worldwide. The content is preserved as an archival version and is not publicly accessible via Portico, but is provided when required under specific conditions, such as discontinuation of the collection or catastrophic failure of the website.

Editorial board

SUBMIT ARTICLE

SUBSCRIBE

POPULAR ARTICLES

JOIN AS REVIEWER

GET EMAIL ALERTS

RECOMMEND



Original Article

DNA Binding and Cleavage Study of Novel Ruthenium (II)-Polypyridine-5-(3-pyridyl)-4H-1,2,4-Triazole-3-Thiol Complex on *Escherichia Coli* Genomic DNA

Santhiya Santhiya¹ Sheeba Daniel²

¹Department of Chemistry, Good Shepherd College of Engineering and Technology, Kalliyal,
²Department of Chemistry, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India

Abstract

Background: Transition metal complexes especially Ruthenium-Polypyridyl complexes interact with multidentate ligands considered as a new therapeutic agent to make the possible DNA probes and conformers due to several interests owing to their potential applications. The aim of the present work is to concentrate on the binding and cleavage activity of $[\text{Ru}(\text{bpy})_2(\text{pytrzSH})_2]^{2+}$ (complex 1) and $[\text{Ru}(\text{phen})_2(\text{pytrzSH})_2]^{2+}$ (complex 2) (bpy = 2,2'-bipyridine, phen = 1,10-phenanthroline, pytrzSH = 5-(3-pyridyl)-4H-1,2,4-triazole-3-thiol) on *Escherichia coli* genomic DNA (gDNA). **Materials and Methods:** DNA binding and cleavage activity is carried out using ultraviolet-Visible spectral technique and Agarose gel electrophoresis method at three different concentrations against the standard genomic DNA isolated from *E. coli* bacteria. **Results:** The changes in the absorbance and wavelength upon incremental addition of the complexes on gDNA clearly depict the binding nature of complexes. The binding constant values for ligand centered and metal to ligand charge transfer transitions obtained from the Benesi Hildebrand plots are found to be 1.560×10^4 and $9.586 \times 10^4 \text{ M}^{-1}$ for complex 1 and 3.594×10^4 and $9.801 \times 10^5 \text{ M}^{-1}$ for complex 2. The results revealed that complex 2 shows better binding property than complex 1 on *E. coli* gDNA. The extent of DNA cleavage activity of the synthesized complexes on *E. coli* gDNA is determined from the band intensities, complex 2 shows full cleavage in all the three concentrations, whereas complex 1 exhibits full cleavage at 100 $\mu\text{g/mL}$. The cleaving ability depends on the nature of the ligands present in the complexes. **Conclusion:** The synthesized $[\text{Ru}(\text{bpy})_2(\text{pytrzSH})_2]^{2+}$ (complex 1) and $[\text{Ru}(\text{phen})_2(\text{pytrzSH})_2]^{2+}$ (complex 2) bind with the *E. coli* gDNA through electrostatic and intercalative modes. The $[\text{Ru}(\text{phen})_2(\text{pytrzSH})_2]^{2+}$ complex 2 shows better cleavage activity than $[\text{Ru}(\text{bpy})_2(\text{pytrzSH})_2]^{2+}$ complex 1.

Keywords: Binding constant, DNA binding, DNA cleavage, *E. coli* genomic DNA, ruthenium(II)-polypyridine complexes

INTRODUCTION

Bacterial genomic DNA (gDNA) is a highly condensed and functionally organized nucleus-like structure without a nuclear membrane resides inside the cells. The first important genome which gets completely sequenced and contributes major to recombinant DNA technology is *E. coli*.^[1-3] It survives when released to the natural environment and gets colonized in the lower gut of animals allowing widespread dissemination to new hosts.^[4] Therefore, *Escherichia coli* is frequently used as a model organism in microbiology and molecular biology studies.^[5] The *E. coli* chromosome is composed of the gDNA, RNA and protein.^[6,7]

Nowadays, research is focused toward the introduction of novel and biologically safe therapeutic agents. Metal complexes play

a vital role in pharmaceutical and medicinal chemistry and are used as therapeutic agents.^[8-10] Researchers have reported that the binding of a drug to a metal complex increases its activity.^[11] Among the transition metal complexes, particularly ruthenium(II)-polypyridyl complexes have significant interest for developing new diagnostic and therapeutic agents that can

Address for correspondence: Dr. Sheeba Daniel,
Department of Chemistry, Holy Cross College (Autonomous), Nagercoil,
Tamil Nadu, India.
E-mail: sheebadaniel@holycrossngledu.in
ORCID: 0000-0001-7448-4990

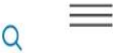
This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

For reprints contact: WJ@RRPMedknow_reprints@wolterskluwer.com

How to cite this article: Santhiya S, Daniel S. DNA binding and cleavage study of novel ruthenium(II)-polypyridine-5-(3-pyridyl)-4H-1,2,4-triazole-3-thiol complex on *Escherichia Coli* genomic DNA. *Biomed Biotechnol Res J* 2022;6:208-15.

Submitted: 21-Nov-2021; Revised: 13-Dec-2021;
Accepted: 04-Jun-2022; Published: 17-Jun-2022.

Access this article online	
Quick Response Code: 	Website: www.bmbtrj.org
	DOI: 10.4103/bbrj.bbrj_302_21



Source details

Trends in Sciences

Formerly known as: Walailak Journal of Science and Technology

Scopus coverage years: from 2021 to Present

Publisher: Walailak University

E-ISSN: 2774-0226

Subject area: Multidisciplinary

Source type: Journal

CiteScore 2022 ⓘ
0.8

SJR 2022 ⓘ
0.176

SNIP 2022 ⓘ
0.356

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.8 = \frac{659 \text{ Citations 2019 - 2022}}{844 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$1.1 = \frac{1,155 \text{ Citations to date}}{1,010 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Multidisciplinary	#89/134	33rd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site 🌐](#)



About the Journal

[Trends in Sciences](#) (*Trends Sci.* or TIS), formerly known as [Walailak Journal of Science and Technology](#). TIS is a peer-reviewed journal ([Editorial Board](#)) covering all areas of Sciences, launched in 2004.

E-ISSN: 2774-0226

Start year: 2004

Language: English

Publication fee: [Article Processing Charges \(APC\)](#)

Free access: Immediate

Issues per year (2023): 12 Issues (**Monthly**)

2022 CiteScore (Scopus): **0.8 (Q3)**

Aims and Scope

Trends in Sciences is published 12 Issues (**Monthly**) by the College of Graduate Studies of Walailak University.

TIS Template

[Word Template](#)

[LateX Template](#)

The scope of the journal includes the following areas of research: Biological sciences, Physical sciences, Health sciences.

[\(View full editorial policies\)](#)

Biological sciences

- Biochemistry
- Biological techniques
- Biophysics
- Biotechnology
- Cancer
- Cell biology
- Chemical biology
- Computational biology and bioinformatics
- Developmental biology
- Drug discovery
- Ecology
- Evolution
- Food Science
- Genetics
- Immunology
- Microbiology
- Molecular biology
- Neuroscience
- Physiology
- Plant sciences
- Stem cells
- Structural biology
- Systems biology
- Zoology

Physical sciences

MAKE A SUBMISSION

JOURNAL METRICS 2023

Acceptance Rate:	9%
Review Speed:	40 days
Issue per Year:	12
No. of Volumes:	20
2022 No. of Submissions:	3,601
No. of Published:	360
No. of Reviewers:	823
No. of Scopus Citations:	3,083
2022 Percentile (CiteScore):	33rd (Q3)

Last updated: January 15, 2023

CITESCORE



PLAGIARISM CHECKER



INFORMATION

[For Readers](#)

[For Authors](#)

[For Librarians](#)

VISITORS



Synthesis, Characterization, *In vitro* Antiproliferative and Cytotoxic Effect of Ruthenium(II)-Bipyridine-Benzoylpicolinic Acid Complex on SK-MEL-28 and Normal L6 Cell Lines

Santhiya Sivaraman¹ and Sheeba Daniel^{2,*}

¹Department of Chemistry, Good Shepherd College of Engineering and Technology, Kaliyál, Tamil Nadu, India

²Department of Chemistry, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India

(*Corresponding author's e-mail: sheebadaniel@holycrossngl.edu.in)

Received: 10 March 2021, Revised: 8 June 2021, Accepted: 18 June 2021

Abstract

The most seriously spread malignant tumor of melanocytes throughout the body is a melanoma type of skin cancer. SK-MEL-28 cell line is one of a series of melanoma cell lines. The objective of the present investigation is to study the anticancer activity and cytotoxicity of novel $[\text{Ru}(\text{bpy})_2(\text{bzpic})_2]^{2+}$ (bpy = 2,2'-bipyridine and bzpic = 3-Benzoylpicolinic acid) complex on SK-MEL-28 and normal L6 cell lines using MTT assay method. The morphology of the cancerous SK-MEL-28 cell line at various concentrations of the $[\text{Ru}(\text{bpy})_2(\text{bzpic})_2]^{2+}$ complex is assessed by 2-fold dilution method, and the *in vitro* antiproliferative effect of the complex on the cancerous SK-MEL-28 cell line is analyzed by direct microscopic observation method. The percentage viability of the complex on cancerous SK-MEL-28 cell line at various concentrations is determined. The IC_{50} value of the complex against the SK-MEL-28 cell is found to be 39.109 $\mu\text{g}/\text{mL}$ which shows good antiproliferative effect. The IC_{50} value of the complex against normal L6 cell line is found to be 55.315 $\mu\text{g}/\text{mL}$. The results revealed that the percentage of growth inhibition of the cell is based on dose-dependent manner and the formation of formazan crystal indicates this. The fluorescent microscopy observation clearly determines that the synthesized $[\text{Ru}(\text{bpy})_2(\text{bzpic})_2]^{2+}$ complex shows late apoptosis on SK-MEL-28 cell line and early apoptosis on L6 cell line. Hence, it is evident that the synthesized complex exhibits good *in vitro* antiproliferative effect with lower cytotoxicity.

Keywords: $[\text{Ru}(\text{bpy})_2(\text{bzpic})_2]^{2+}$ complex, SK-MEL-28 and L6 cell lines, MTT assay, Antiproliferative effect, Fluorescence microscopy, Anti-skin cancer activity

Introduction

Skin cancer is the most common form of human cancer, and one of the types of skin cancer is melanoma. The primary cause of premature death from cancer is melanoma. Early detection of the primary melanoma developed is associated with improved survival. The changes in the skin such as soreness, unusual growth or a change in an existing mole, skin appearance, and new growth lead to basal cell and squamous cell carcinoma. Melanocytes produce the dark pigment melanin, which are normally present in the skin [1]. Superficial spreading of melanomas that lack melanin pigment can be treated by *in vivo*, and *in vitro* methods with an attractive therapeutic target, chemotherapy agents, make an important contribution to melanoma in the future [2]. Apoptosis is a self-destruction complex and a biochemical process of cells in a multicellular organism. A programmed cell death maintains tissue homeostasis, fetal development, and aging [3]. During apoptosis, the surrounding cells and cellular macromolecules are digested into smaller fragments. In a controlled fashion, the cells are collapsed into smaller intact fragments and are removed by phagocytosis without damaging [4].

Due to the rapid increase in cancer cases, researchers make many efforts to produce effective chemotherapeutic and diagnostic agents to inhibit and detect cancer cells. Cisplatin has been established as an antineoplastic agent for the treatment of various cancer cells since the 1960s. Later it was identified that cisplatin has significant side effects and some limitations. Consequently, these limitations induce the researchers to develop novel therapeutic and diagnostic agents for cancer therapy, drug delivery, biosensing, and imaging [5,6].





Source details

Surface Topography: Metrology and Properties

Scopus coverage years: from 2013 to Present

Publisher: Institute of Physics Publishing

E-ISSN: 2051-672X

Subject area: Physics and Astronomy: Instrumentation Materials Science: Materials Chemistry
Materials Science: Surfaces, Coatings and Films Chemical Engineering: Process Chemistry and Technology

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
3.3

SJR 2022 ⓘ
0.422

SNIP 2022 ⓘ
0.734

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

3.3 = $\frac{2,024 \text{ Citations } 2019 - 2022}{617 \text{ Documents } 2019 - 2022}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

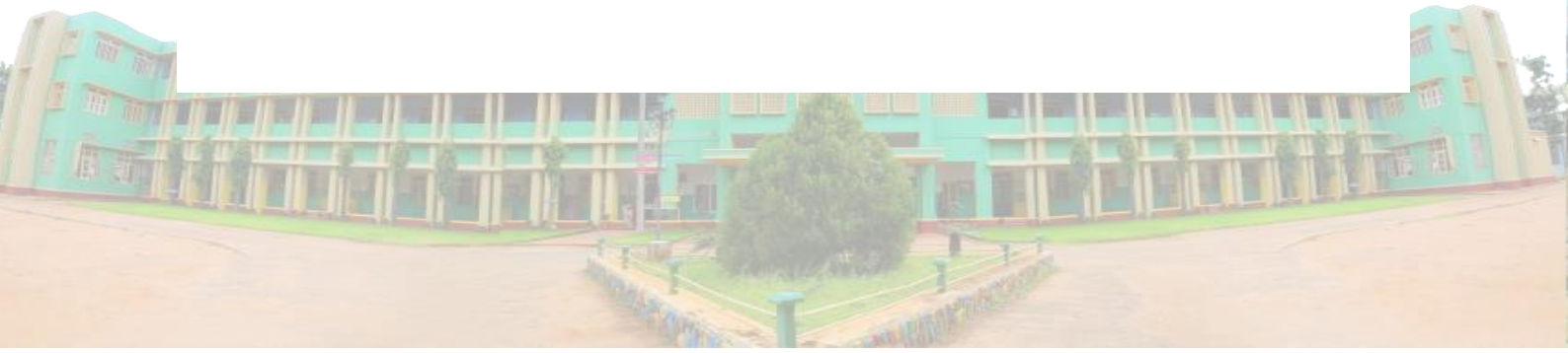
4.1 = $\frac{2,531 \text{ Citations to date}}{617 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Physics and Astronomy └ Instrumentation	#65/136	52nd
Materials Science └ Materials Chemistry	#165/306	46th
Materials Science		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES Search

Sort By: Relevancy

Search Results

Found 88 results (Page 1) Share These Results

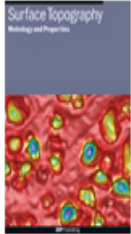
Exact Match Found

SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES Publisher: IOP PUBLISHING LTD, TEMPLE CIRCUS, TEMPLE WAY, BRISTOL, ENGLAND, BS1 6BE ISSN / eISSN: 2051-672X Web of Science Core Science Citation Index Collection: Expanded Additional Web of Science Indexes: Current Contents Engineering, Computing & Technology | Current Contents Physical, Chemical & Earth Sciences | Essential Science Indicators Share This Journal View profile page *Requires free login.

Other Possible Matches



Surface Topography: Metrology and Properties



SUPPORTS OPEN ACCESS

An international forum for academics, industrialists and engineers to publish the latest research in surface topography measurement and characterisation, instrumentation development and the properties of surfaces.

Submit an article

Track my article

ISSN: 2051-672X

RSS

Sign up for new issue notifications

Current volume

Number 2, June 2024

Go

Journal archive

Vol 12, 2024

Go

Focus issues

Perception of Surfaces

Go

JOURNAL LINKS

Submit an article

About the journal

Editorial Board

Author guidelines

Review for this journal

Publication charges

Awards

Journal Collections

Pricing and ordering

Contact us

JOURNAL INFORMATION

2013-present
Surface Topography: Metrology and Properties
doi: 10.1088/issn.2051-672X
Online ISSN: 2051-672X

4 days

Median submission to first decision before peer review

Full list of journal metrics

38 days

Median submission to first decision after peer review

2.7

Impact factor

3.3

Citescore

Most read

Latest articles

Review articles

Accepted manuscripts

Open Access

Open all abstracts

Sandwich-structured nano-adhesive based on the synergistic action of two nanoparticles (SiC and MWCNTs)

Umesh Marathe and Jayashree Bijwe 2024 Surf. Topogr.: Metrol. Prop. 12 025002

+ Open abstract View article PDF

Investigation of evolution of γ_{Ni} phase and its effect on conductivity and corrosion resistance of plasma-nitrided 316 L stainless steel bipolar plate for proton exchange membrane fuel cell

Chunpeng Liu et al 2024 Surf. Topogr.: Metrol. Prop. 12 025001

+ Open abstract View article PDF

Impact of incorporating FeNbC into weld flux on the abrasive wear resistance of coatings produced by SAW in a microalloyed steel

Edilson N Pollnow et al 2024 Surf. Topogr.: Metrol. Prop. 12 015023

+ Open abstract View article PDF

Tribocorrosion studies on DLC films with silver nanoparticles for prosthesis applications

P A Radi et al 2024 Surf. Topogr.: Metrol. Prop. 12 015019

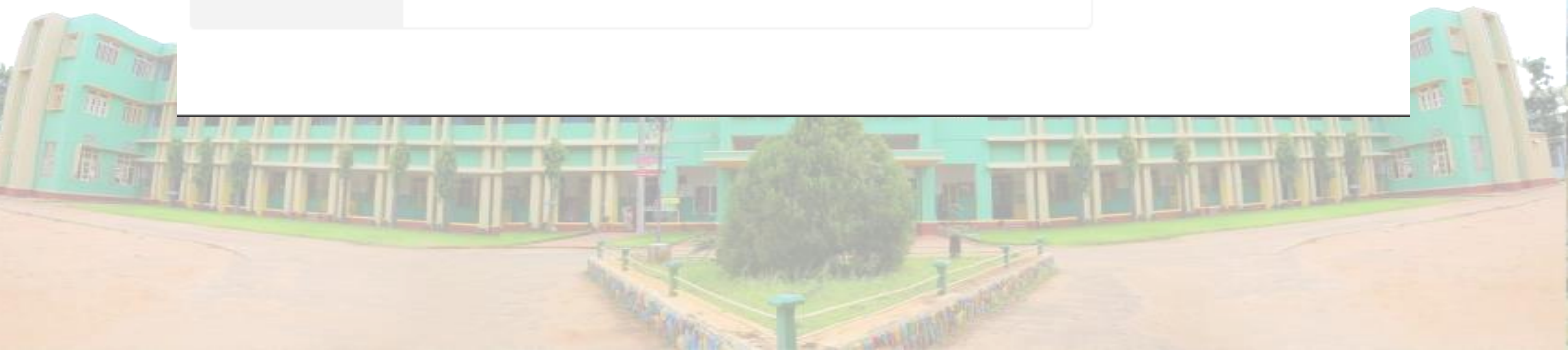
+ Open abstract View article PDF

OPEN ACCESS

Influence of swift heavy ion irradiation on structure and morphology of $La_{0.25}Pr_{0.375}Ca_{0.375}MnO_3$ film

Harsh Bhatt et al 2024 Surf. Topogr.: Metrol. Prop. 12 015022

+ Open abstract View article PDF



PAPER

Online acoustic emission measurement of tensile strength and wear rate for AA8011-TiC- ZrB2 hybrid composite

Y Brucely^{5,1}  Y Christabel Shaji², A Bovas Herbert Bejaxhin³ and Abeens M⁴ 

Published 28 October 2022 • © 2022 IOP Publishing Ltd

Surface Topography: Metrology and Properties, Volume 10, Number 4

Citation Y Brucely *et al* 2022 *Surf. Topogr.: Metrol. Prop.* **10** 045009

DOI 10.1088/2051-672X/ac9acf

brucely2k6@gmail.com

christabelshaji@holycrossncl.edu.in

herbert.mech2007@gmail.com

¹ Department of Mechanical Engineering, SRM TRP Engineering College, Irungalur, Tiruchirappalli, Tamil Nadu, India

² Department of Chemistry, Holy Cross College (Autonomous), Nagercoil-629004, Tamil Nadu, India

³ Department of Mechanical Engineering, Saveetha School of Engineering, SIMATS, Chennai, India

⁴ Department of Mechanical Engineering, College of Engineering Guindy, Anna University, Chennai 600025, Tamil Nadu, India

⁵ Author to whom any correspondence should be addressed.

Y Brucely  <https://orcid.org/0000-0002-3965-1690>

Abeens M  <https://orcid.org/0000-0001-6368-5498>

1. Received 17 August 2022
2. Revised 21 September 2022
3. Accepted 17 October 2022
4. Published 28 October 2022



Method: Single-anonymous

Revisions: 1

Screened for originality? Yes

[Buy this article in print](#)

 [Journal RSS](#)

[Sign up for new issue notifications](#)

Abstract

In current scenario the aircraft industry in need of a lightweight connecting material that persuade the technical and technological standards, but also need superior mechanical qualities. In this work the major objective is to enhance the strength behaviour of stir cast composites. Aluminum 8011 (Al 8011) titanium carbide (TiC) and zirconium boron (ZrB₂) hybrid composites are stir cast in this work, and their microstructure, mechanical, and tribological properties are investigated. The matrix material was Al 8011, which was supplemented with stronger TiC to boost mechanical strength and softer ZrB₂ to improve thermal and corrosion resistance without significantly changing electrical properties. According to the findings, the reinforced alloy's mechanical qualities outperform those of the unreinforced alloy. Acoustic energy generated during deformation of composite materials has been monitored and early fracture measurements has been achieved using the Acoustic emission (AE) approach in tensile test specimens. As a result of the experiment, Al8011 + 10% TiC + 2% ZrB₂ composites outperform the Al8011 matrix alloy in terms of wear resistance, coefficient of friction, and surface smoothness, as well as other characteristics. The AFM representation of Al8011 + 10% TiC + 2% ZrB₂ matrix reveals that the wear surface smoothness of the AMMC is significantly improved as compared to the Al8011 matrix alloys.

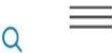
Export citation and abstract

[BibTeX](#)

[RIS](#)

◀ [Previous article in issue](#)





Source details

AIP Conference Proceedings

Scopus coverage years: from 1973 to 1978, from 1983 to 1984, 1993, from 2000 to 2001, from 2003 to Present

ISSN: 0094-243X E-ISSN: 1551-7616

Subject area: Physics and Astronomy: General Physics and Astronomy

Source type: Conference Proceeding

[View all documents >](#)

[Set document alert](#)

[Save to source list](#)

CiteScore 2022 ⓘ
0.7

SJR 2022 ⓘ
0.164

SNIP 2022 ⓘ
0.247

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.7 = \frac{31,947 \text{ Citations } 2019 - 2022}{43,416 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.5 = \frac{28,680 \text{ Citations to date}}{57,785 \text{ Documents to date}}$$

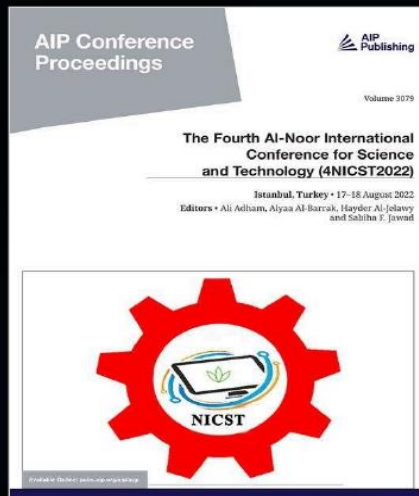
Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Physics and Astronomy		
General Physics and Astronomy	#203/240	15th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)





CURRENT ISSUE

**Volume 3079,
Issue 1,
11 April 2024**

[VIEW THIS ISSUE](#)

AIP Conference Proceedings has been a trusted publishing partner for more than 40 years, delivering fast, affordable, and versatile publishing for maximum exposure of your meeting's key research. Our conference proceedings program reports the findings presented at scientific meetings from large international conferences to small specialist workshops. Subject areas span the physical sciences, including physics, math, chemistry, materials science, and engineering.

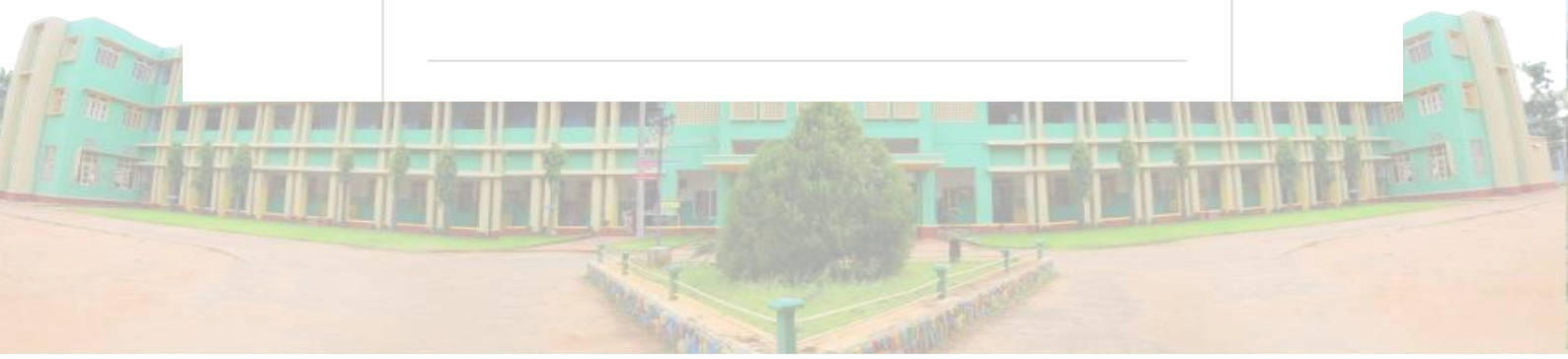
**Publish with us -
Request a Quote!**

**What others are
saying about AIP
Conference
Proceedings**

Most Recent

RESEARCH ARTICLE | APRIL 11 2024

**Preface: The fourth Al-Noor International
Conference for Science and Technology
(4NICST2022)**



RESEARCH ARTICLE | NOVEMBER 29 2022

Synthesis, characterization and catalytic activity of platinum nanoparticles

B. Jone Magadelin; [S. Ajith Sinthuja](#) ; S. Christabel Shaji[+ Author & Article Information](#)

AIP Conf. Proc. 2446, 130001 (2022)

<https://doi.org/10.1063/5.0113185>

The present work focuses on the synthesis and characterization of spherical, cubical and tetrahedral platinum nanoparticles. The catalytic activity in shape-dependency of Pt NPs is studied by comparing the catalytic activity of cubical Pt NPs (Pt cNPs) with tetrahedral (Pt tNPs). The Pt cNPs/Pt sNPs are synthesized by water-based process and Pt tNP is synthesized by hydrogen reduction method. The morphology of Pt colloidal particles was studied with the help of transmission electron microscopy (TEM). The reused catalyst of TEM images show modification in structure from cubical to spherical nanoparticles, imputed to the significant leaching susceptibility of Pt {100} surface facets. Tetrahedral Pt NPs are the most catalytically active, with a minimum activation energy of 12 kJ mol⁻¹. In contrast, cubic Pt NPs are the least catalytically active, with an uplifted activation energy of 23.4 kJ mol⁻¹. The reason is difference in amount of catalytically active surface atoms.

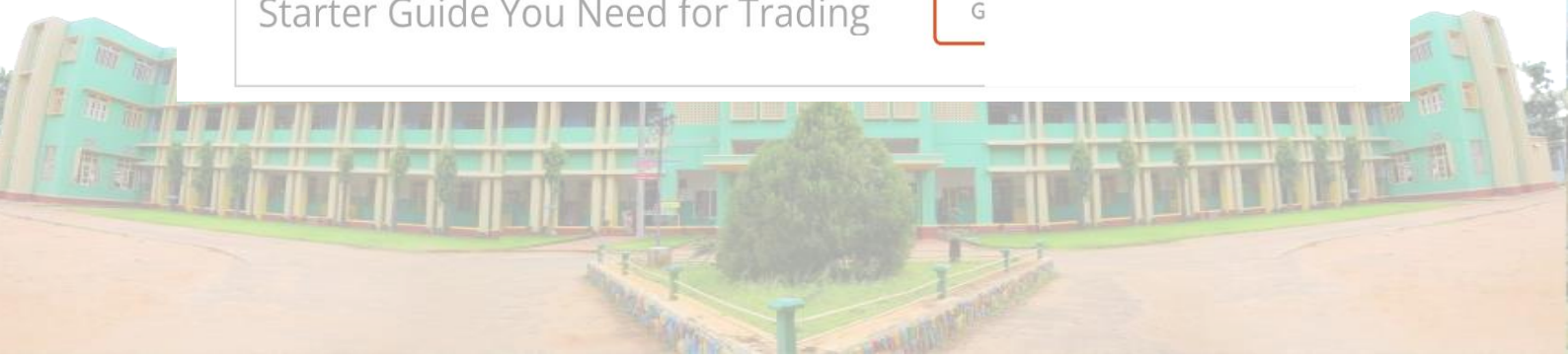
Topics

[Colloids](#), [Nanoparticle](#), [Catalysts and Catalysis](#),
[Transmission electron microscopy](#)

REFERENCES

1. J. Z Zhang, *World Scientific*. 6, 303–309, (2009).
[Google Scholar](#)

Starter Guide You Need for Trading





Source details

Materials Today: Proceedings

Scopus coverage years: 2005, from 2014 to Present

E-ISSN: 2214-7853

Subject area: Materials Science: General Materials Science

Source type: Conference Proceeding

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 ⓘ
3.2

SJR 2022 ⓘ
0.445

SNIP 2022 ⓘ
0.774

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$3.2 = \frac{80,455 \text{ Citations } 2019 - 2022}{24,871 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$4.9 = \frac{1,08,812 \text{ Citations to date}}{22,228 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Materials Science		
└ General Materials Science	#259/453	42nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)





ScienceDirect

materialstoday: PROCEEDINGS

3.2

CiteScore

[Submit your article ↗](#)

[Guide for authors](#)



Menu



Search in this journal

About the journal

Materials Today: Proceedings provides the materials science community with a fast and flexible route to the publication of research presented at national and international scientific conferences in the field of materials science.

Guest Editors are responsible for quality control, the peer review ...

[View full aims & scope](#)

\$200 ⓘ

Article publishing charge
for open access

68 days

Review time

70 days

Submission to acceptance



[View all insights](#)

Articles

[Latest published](#)

[Articles in press](#)

[Top cited](#)

[Most downloaded](#)

[Most popular](#)

[FEEDBACK](#)





A novel synthesis of phyto-mediated silver nanoparticles and its bacterial performance against microbes

B. Jone Magadelin^a,  S. Ajith Sinthuja^b, S. Begila David^c, A. Yardily^c

Show more 

 Outline |  Share  Cite

<https://doi.org/10.1016/j.matpr.2022.09.293>

[Get rights and content](#)

Abstract

Green chemistry is the design, development, and execution of chemical products and processes to minimize or eliminate the use and procreation of substances unsafe to human health and the environment. Nanoparticles are often mentioned as clusters, nanospheres, nanorods, and nano cups are just a few of the shapes at the small end of the size ranges from 1 to 100nm. The development of an eco-friendly process through various biological means helps to traverse various plants for their ability to interpret silver nanoparticles. In this investigation, we delineate the synthesis of silver nanoparticles using the leaf elicits of *Euphorbia hirta* and *Cardiospermum halicacabum*. Synthesized particles are characterized by UV-Spectrophotometer and FT-IR analysis. The antibacterial effects of Ag salts have been noticed since antiquity and Ag is currently used to control bacterial growth in a variety of applications, including dental work, catheters, and burn wounds. It is illustrious that Ag ions and Ag-based compounds are highly venomous to microbes, revealing strong biocidal effects. Further, the interpreted silver nanoparticles were tested against common bacterial pathogens.

 Previous

Next 

Keywords

Characterization; *Euphorbia hirta*, *Cardiospermum halicacabum*; Leaf extract; Silver nanoparticles; Antimicrobial activity





Source details

Journal of Mines, Metals and Fuels

Scopus coverage years: from 1968 to 1990, from 1993 to 2023

Publisher: INSIO Scientific Books and Periodicals

ISSN: 0022-2755

Subject area: Energy: Fuel Technology Energy: Energy Engineering and Power Technology
Earth and Planetary Sciences: Geotechnical Engineering and Engineering Geology

Source type: Journal

CiteScore 2022 ⓘ
0.3

SJR 2022 ⓘ
0.163

SNIP 2022 ⓘ
0.170

[View all documents >](#) [Set document alert](#) [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.3 = \frac{68 \text{ Citations 2019 - 2022}}{262 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.2 = \frac{65 \text{ Citations to date}}{316 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Energy		
└ Fuel Technology	#106/117	9th
Energy		
└ Energy Engineering and Power Technology	#238/252	5th
Earth and Planetary		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



About the Journal



Editor : Dr. Jayanta Bhattacharya
Print ISSN : 0022-2755
Frequency : Monthly
Published since : 1952
Publisher/s : Informatics Publishing Limited and Books & Journals Private Ltd.

Journal of Mines, Metals & Fuels, published by Books & Journals Private Limited since 1952, is a globally distributed & academic journal which is focused to serve the scientific research fraternity for the advancement and development by providing unique and peer reviewed research papers. JMMF welcomes and encourages authors with their papers to be published encompassing the fields and related fields of earth science majorly covering the key subject areas of mining, fuels, minerals, metallurgical and metal industries, broadly core and non-core mining. JMMF aims at publishing original

and one of a kind research works, that highlights the latest trends of scientific and technical studies. JMMF, a monthly journal publishes adequate number of multi level assessed articles that are dedicated to serve the newest trends of technology and innovations in the field of mining and also into the allied science of fuels, metals, metallurgical sciences. The journal publishes articles, which are based on recent technical developments that facilitate the advancement of mining science and sustainable mining strategies and ethics.

The Journal is Indexed in SCOPUS



Obituary

2023-09-20

Pradip Kumar Chanda, an esteemed editor, visionary leader, and cherished colleague, passed away on 4th August, 2023 at the age of seventy. The world of mining, sustainable energy, power, energy has lost a true luminary, and his contributions will be remembered for generations to come.

Born on 21st, January, 1953 in Kolkata, P.K. embarked on a lifelong journey of literary and intellectual exploration. He was a dedicated scholar, passionate about business management, helping scholars, engaged his total liveliness for the development and enhancement of this journal. His remarkable academic achievements and profound insights reshaped the landscape of mining journal universe during his illustrious career. He himself was a patron of knowledge, wisdom that he channelized into the form of blossoming development for those who have the same hunger.

His unwavering commitment to excellence and his remarkable editorial skills propelled him to the position of MANAGING EDITOR at JOURNAL OF MINES METALS AND FUELS & INDIAN JOURNAL OF POWER AND RIVER VALLEY DEVELOPMENT. Under his guidance, JMMF became a beacon of knowledge and a respected platform for scholars worldwide. His editorial vision transformed countless research papers into insightful and impactful articles, enriching the academic discourse in the field of mining, metallurgy, minerals & fuels.

Based his professional accomplishments, P.K. CHANDA was known for his open heart and generous spirit. He nurtured and

[Submit a Manuscript](#)

AUTHORS CORNER

- [Instructions to Authors](#)
- [Publication Fees](#)
- [Indexing/Abstracting](#)
- [Journal Policies and Ethics](#)
- [CrossMark Policy](#)
- [Information for Reviewers](#)
- [Submission Process](#)
- [Pre-submission checklist](#)

ADVERTISEMENT



KEYWORDS



MOST READ ARTICLES IN A WEEK

JMMF Visitors		See more	
IN 26,375	BD 30	AL 4	
SG 16,295	JO 26	CR 4	
CA 14,974	FI 25	LV 3	



ZnO Polymer Nano Composites Synthesis, Characterization, and Thermo-Mechanical Property Comparison

J. C. Chrislin Mario¹, Y. Christabel Shaji^{1*}, Y. Brucey S². Ajith Sinthuja³, A. Bovas Herbert Bejaxhin⁴ and N.Ramanan⁵

^{1,3}Department of Chemistry, Holy Cross College (Autonomous), Nagercoil-629004, Tamil Nadu, India. *E-mail: christabelshaji@holycrossngl.edu.in

²Research Department of Physics, Holy Cross College (Autonomous), Nagercoil 629004, Tamil Nadu, India.

²Department of Mechanical Engineering, SRM TRP Engineering College, Irungalur, Tirchirappali, Tamil Nadu, India.

⁴Associate Professor, Department of Mechanical Engineering, Saveetha School of Engineering, SIMATS, Chennai.

E-mail: herbert.mech2007@gmail.com

⁵Assistant Professor, PSN Engineering College, Tirunelveli. Ramananinjs2020@gmail.com.

Abstract

Both the polyester resin matrix-based polymer ZnO nano composites and pure polyester sheet were synthesised using the solution casting method. The crystalline structure of the nano-particles was examined inside using X-ray diffraction (XRD). The fundamental polymer composition, additives, organic contaminants, and purity were all assessed by FTIR. A minor alteration in the absorption bands was seen in the polyester system with ZnO added. The thermal properties were examined using differential scanning calorimetry (DSC) and thermo gravimetric analysis (TGA), and the results unmistakably demonstrated the creation of a highly cross-linked polyester molecular structure or improved free volume fractions in polymer nano composites. A mechanical analyzer's tensile and flexural strength tests revealed the potential for nanoparticle aggregation due to a strong interaction with resin. To calculate the relative permittivity and the loss of tangents (tan), dielectric studies had been used. Analysis of the hydrophobic properties of the pure and ZnO polyester nano composite.

Keywords: Polyester resin, Polymer ZnO Nano composites, Pure polyester sheet, Thermal, Mechanical properties, Dielectric spectroscopy, Hydrophobic character.

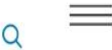
1.0 Introduction

Thermosetting resins and the composites made from them are widely used in a number of applications due to their remarkable properties and low cost [1-3]. In order to preserve the resins from environmental deterioration, inorganic particles are also added; nevertheless, the addition of several common inorganic particles has a tendency to decrease the material's strength and transparency. The strength of the

material is not in any way diminished by this binding process because nano-particles typically have a more active surface and bind to the resins with sufficient strength. As a result, a sizable amount of research has focused on using nano-particles to improve thermosetting resins [4]. ZnO nano-particles, also referred to as ZnO NPs, have a strong absorption ability. It can be used on matrices to protect them from environmental effects and increase the tensile strength of the materials [5]. The material's smaller diameter and the

*Corresponding Author





Source details

Xi'an Dianzi Keji Daxue Xuebao/Journal of Xidian University

Scopus coverage years: from 2001 to Present

Publisher: Science China Press

ISSN: 1001-2400

Subject area: Engineering: Electrical and Electronic Engineering Computer Science: Computer Science Applications

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
1.2

SJR 2022 ⓘ
0.194

SNIP 2022 ⓘ
0.437

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$1.2 = \frac{673 \text{ Citations 2019 - 2022}}{566 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$1.3 = \frac{717 \text{ Citations to date}}{532 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Engineering		
└ Electrical and Electronic Engineering	#582/738	21st
Computer Science		
└ Computer Science Applications	#648/792	18th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)





Journal of XIDIAN University

Journal of Xidian University

ISSN No: 1001-2400 | UGC CARE GROUP – 2 JOURNAL (Active Journal in Scopus) | Monthly Publishing Journal

Journal of Xidian University



Source details

Xi'an Dianzi Keji Daxue Xuebao/Journal of Xidian University

Scopus coverage years: from 2001 to Present.

Publisher: Science Press

ISSN: 1001-2400

Subject area: [Engineering, Electrical and Electronic Engineering](#) [Computer Science, Computer Science Applications](#)

[General Information](#) [Contact Us](#) [Seek to locate full Journal Homepage](#)

HEC Recognized Journal Important Links

Journal Category : UGC CARE, SCOPUS

Subject Area : Multidisciplinary

UGC-CARE Group – II Journals Link :

<https://ugccare.unipune.ac.in/site/website/jarelist.aspx>

Login User Name: ugccaregroup2@gmail.com

Password: 123456789

ISSN No: 1001-2400

- Impact Factor : 5.4

Important Dates:

- Submission Last Date : Through out the Year
- Acceptance Status : 48 Hours
- Frequency : 12 issues per year

Submit your paper to: editorjxu@gmail.com

[Download Paper Format](#)

[Download Copyright Form](#)

[Download Registration Form](#)

Call For Papers

Journal of Xidian University is an open access scholastic and peer reviewed monthly international journal for encouraging Researchers, Practitioners, Academicians from Life Sciences, Engineering and Technology Management sectors to contribute to their inventive Research achievements and original work to make superiority information presented for a broader civic of readers and Internet users. Journal of Xidian University targets at promoting the integration of academic theories.

Journal of Xidian University is the leading open-access journal, providing a platform for publishing innovative and research articles. As an open access journal, articles in Journal of Xidian University will always be freely available online and readily accessible. This means that your work will be recognized and can be searched in Google Scholar.

Abstracted & Indexed in:

Scopus, Chemical Abstracts Services (CAS); J-Gate Plus; Research Bible; EBSCO Publishing's Electronic Databases, USA; DOAJ; Ulrich's Periodical Directory, USA; Indian Science Abstracts, India; Index Copernicus, Poland; ISI, Thomson Reuters.

Journal of Xidian University is an open-access journal publishing full-length research papers and review articles covering subjects that fall under the wide spectrum of science Engineering & technology. The journal is dedicated towards dissemination of knowledge related to the advancement in scientific research. The prestigious interdisciplinary editorial board reflects the diversity of



Comparative Evaluation of Antimicrobial Efficacy of AgNPs synthesized from leaf extracts of *Laurus nobilis* and *Persea americana*

S.Lizy Roselet^{1*} and K.Francy²

^{1*} Corresponding Author, ¹ Department of Chemistry, Holy Cross College (Autonomous) Nagercoil.

Abstract

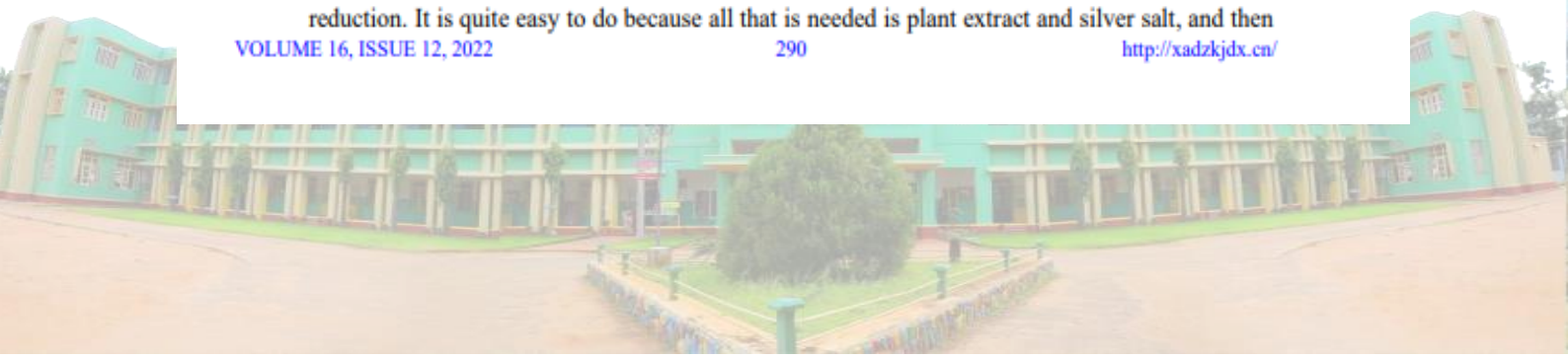
Silver nanoparticles (AgNPs) possess a broad spectrum of antibacterial, antifungal and antiviral properties. Silver nanoparticles have the ability to penetrate bacterial cell walls, changing the structure of cell membranes and even resulting in cell death. Their efficacy is due not only to their nanoscale size but also to their large ratio of surface area to volume. They can increase the permeability of cell membranes, produce reactive oxygen species, and interrupt replication of deoxyribonucleic acid by releasing silver ions. In this investigation, we have synthesized nanoparticles from the leaf extracts of *Laurus nobilis* and *Persea americana* and characterize the final product, and evaluated their antimicrobial activities. Both the leaf extracts were found to be effective against the *Escherchia coli*, *Staphylococcus aureus*, *Bacillus aureus* and *Pseudomonas aeruginosa*

Key Words

Silver nanoparticles, *Laurus nobilis*, *Persea americana*, antimicrobial activity

Introduction

Silver nanoparticles are one of the promising products in the nanotechnology industry. AgNPs can be biosynthesized by bacteria, fungi, yeast, actinomycetes and plant, thus avoiding the use of toxic substances and enabling for further application in medical and pharmaceutical industries¹. Plants contain a wide range of metabolites that can aid in reducing silver ion, stabilizing and capping AgNPs², therefore the concentration and composition of AgNPs will vary depending on the plant type³. This is particularly the medicinal plant's case, given that it is a rich source of phytochemicals and antioxidants. The Polyphenols, carotenoids, and vitamins are the principal antioxidant components of medicinal plants. The curative plants. The medicinal plants display a wide range of anti-inflammatory, antibacterial, antiviral, anti-aging, and anti-cancer activities⁴. The intricate biomolecules in medicinal plants help to reduce metal ions and nanoparticle stabilisation into the correct form and size⁵. The production of AgNPs by plants involves the process of reduction. It is quite easy to do because all that is needed is plant extract and silver salt, and then





Source details

Research Journal of Chemistry and Environment

Scopus coverage years: from 2007 to Present

Publisher: International Congress of Chemistry and Environment

ISSN: 0972-0626

Subject area: Earth and Planetary Sciences: General Earth and Planetary Sciences

Chemical Engineering: General Chemical Engineering Environmental Science: General Environmental Science

Chemistry: General Chemistry [View all](#) ▼

Source type: Journal

[View all documents](#) >

[Set document alert](#)

[Save to source list](#)

CiteScore 2022

0.4



SJR 2022

0.123



SNIP 2022

0.132



[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more](#) >

CiteScore 2022 ▼

$$0.4 = \frac{430 \text{ Citations 2019 - 2022}}{1,107 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.5 = \frac{555 \text{ Citations to date}}{1,077 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Earth and Planetary Sciences	#173/192	10th
General Earth and Planetary Sciences		
Chemical Engineering	#249/272	8th
General Chemical Engineering		

[View CiteScore methodology](#) > [CiteScore FAQ](#) > [Add CiteScore to your site](#)





Research Journal of Chemistry and Environment

Indexed in SCOPUS, Chemical Abstracts, UGC, NAAS, Indian Citation Index etc.

Save Earth; Save Environment



Association
Journals
Our Policies
Membership
Online Payment
Downloads
Glimpses
Contact

Research Journal of Chemistry and Environment

About WRA Journals

Our Journals

Instructions to Authors

Our Policies

Research Journal of Chemistry and Environment

Disaster Advances

Research Journal of Biotechnology

Advances in Management

International Journal of Agricultural Sciences and Veterinary Medicine

International Research Journal for Quality in Education

NanoMatChemBioDev

Yoga and Spiritualism Journal

Global Research in Medical Sciences

Research Journal of Bioinformatics

Invitation
Current Issue
Editorial Board
Archives
Paper Submission
Paper Received

[Social Issue I January 2018](#)
[Social Issue II August 2018](#)
[Social Issue I May 2019](#)

General Information

Name: **Research Journal of Chemistry and Environment**
 (Regularly published double blind peer reviewed online journal; Publication is free of cost in our journals)

Periodicity: **Monthly**
 E-ISSN: **2278-4527** Print ISSN: **0972-0626**
 Indexed in: **SCOPUS, Chemical Abstracts, UGC, NAAS, Indian Citation Index etc.**
 Published from Year: **1997**
 Govt. of India Registration Number: **68381/98** Dated: **27-05-1998** (Office of Registrar of Newspapers)

Aim and Scope

We invite you to contribute Research Papers / Short Communications / Review Papers:

- in any field of Chemical Sciences, Environmental Sciences, Agricultural Sciences, Soil Sciences, Bio Sciences, Pharmaceutical Sciences, Chemical Engineering, Civil Engineering and Environmental Engineering
- in any field related to Chemistry (Inorganic / Organic / Physical / Analytical / Instrumental / Biochemical / Pharmaceutical / Industrial Chemistry)
- in any field related to Chemicals and Industries including Plastics / Drugs / Pesticides / Polymers / Textiles / Dyes / Papers / Steel / Metals / Foods/ Paints / Rubber / Fertilizers / Leather / Cement / Sugar / Distilleries / Explosives / Oils / Petroleum / Petrochemical / Fragrances etc.
- in any field related to Environment, Energy, Power, Pollution (Air, Water and Noise Pollution) in Industries, Land, Cities, Rivers, Lakes etc.
- in inter-related fields of Chemistry, Chemical Industries and Pollution.

Invitation

We welcome your submission to our blind peer reviewed, international monthly journal "Research Journal of Chemistry and Environment" (E-ISSN No. 2278-4527; PRINT-ISSN No. 0972-0626) in field of Chemical Sciences, Environmental Sciences, Chemical Engineering, Civil Engineering, Pharmaceutical Sciences etc. Our journal has been published regularly from year 1997. The journal had SCI impact factor of 0.636 for year 2012 assessed from January 2012 to December 2012. Impact factor for year 2011 was 0.379; for year 2010 it was 0.292 and for year 2009 it was 0.323. Our journal is under re-evaluation of SCI in year 2017. [We do not charge any kind of fees (open access contribution charge, submission charge, author charge, per page charge, publication charge, processing charge, colour page charge etc.) for submission, acceptance and publication of manuscript for any of our journals].

Our journal is indexed and abstracted in:
 SCOPUS
 Chemical Abstracts

Our journal is included in UGC list so that Indian authors can publish their manuscripts with us for API scores and for promotion in the careers.

Submissions are sent to two experts for review and if both the experts approve, then we accept the paper for publication. We are continually improving the journal, with the goal of having one of the ten best international scientific journals in the world. Therefore, we are presently in search of a good team of editors, associate editors, co-editors, regional editors, subject editors and conference editors throughout the world. Our interdisciplinary journal publishes only the most cutting-edge research, with the goal of connecting scientists to develop various research projects in consultation with a variety of industry partners for the benefit of mankind.

You are welcome to upload the papers online at website www.worldresearchersassociations.com at menu "paper submission". Questions may be addressed via email to info@worldresearchersassociations.com

UGC Approved Journal
 (Important for Indian Authors):

Research Journal of
 Chemistry and Environment



Publisher:
Dr. Jyoti Garg
Address:
 Nector AG/No. Vijay Nagar,
 A.B. Road, Indore, 450010,
 INDIA



Green synthesis and characterization of chitosan doped nickel oxide nanocomposites using *Euphorbia hirta* and its antimicrobial activity

Deva Vijila L.¹, Leema Rose G.², Aavila Thanga Bhoosan S.³, Anitha C.⁴ and Jaya Rajan M.^{5*}

1. Women's Christian College, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, INDIA

2. Department of Chemistry, Holy Cross College (Autonomous), Nagercoil, INDIA

3. Department of Chemistry, Women's Christian College, Nagercoil, INDIA

4. Department of Zoology, Holy Cross College (Autonomous), Nagercoil, INDIA

5. Department of Chemistry, Annai Velankanni College, Tholayavattam, INDIA

*jayarajanm1983@gmail.com

Abstract

Chitin is extracted from shells of shrimps and characterized using UV-drs spectroscopy. It is converted to chitosan by the process of deacetylation and to nanochitosan by the process of sonication. Chitosan and nanochitosan are characterised using UV-Vis and FTIR spectroscopy. Nickel oxide nanoparticles (NiO) are green synthesised from Nickel chloride crystals using *Euphorbia hirta* medicinal plant leaf extract which contains alkanes, triterpenes, phytosterols, tannins, polyphenols and flavanoids as reducing agent. *E. hirta* serves as a good medicine for treating female disorders, respiratory ailments, worm infestations in children, dysentery, jaundice, pimples, gonorrhoea, digestive problems and tumors. The formation of nano NiO is characterised by UV-Vis, FTIR and XRD spectroscopic techniques.

The nano NiO particles are doped with nanochitosan and the antimicrobial activity of the resulting composite is analysed with *Staphylococcus aureus* and *Pseudomonas aeruginosa* bacterium using amikacin as the control. The results shows the enhancement in the antibacterial nature of the composite.

Keywords: Chitin, chitosan, *E. hirta*, nickel oxide, antimicrobial properties.

Introduction

Chitin is a waste product obtained from fish processing company. It has limited applications due to its poor solubility in water, however its properties can be modified by converting it into chitosan by deacetylation^{5,9,11}. Chitins present in the shells of crustaceans are abundant sources of chitosan. Chitosan is a natural polymer obtained by deacetylation of chitin. Both chitin and chitosan possess antimicrobial activity⁴. The biomedical applications of chitin and chitosan are restricted because of its insoluble nature in most solvents, low mechanical properties^{13,21}. The physicochemical and biological properties of chitosan can be improved by surface modification by doping with metal oxide nanoparticles. Enormous work is available in the literature about the preparation and doping of chitosan with nanometal oxide, synthesised using various methods¹⁹ which

contribute to environmental pollution. Only limited work is reported related to preparation of metal nanoparticles using green methods^{16,18}, utilising medicinal plant extracts as reducing agents^{3,15}. This study compares antibacterial activity of the resulting NiO doped and undoped chitosan with that of NiO nanoparticles alone².

This study reveals that the method of preparation of nickel oxide nanoparticles from Nickel (II) chloride hexahydrate using ethanolic extract of *E. hirta* medicinal plants is cheap, environmentally friendly and easily available. It also proves that doping of nickel oxide nanoparticles in chitosan improves its antibacterial activity and hence chitosan nickel oxide nanocomposite can be used as a good antibacterial reagent.

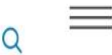
Material and Methods

Materials: The raw material chitin required for the present study is prepared from the shells of shrimps collected from fish market, Nagercoil, Kanyakumari District. Chitosan was synthesised from chitin by deacetylation. *Euphorbia hirta* leaves were collected from Kurusady, Nagercoil, Kanyakumari District, India. Shells of shrimps were selected as primary source for chitosan in the present study. The shells were collected from Ramanputhoor, (Nagercoil, Tamilnadu, India) fish market.

Methods: The shells were cleaned, washed with water and dried in sunlight for 15 days and UV-drs spectroscopy of chitin in absorbance & reflectance mode was recorded and demineralised by adding 1:1 HCl solution. The demineralised chitosan was heated with 1M HCl for 15 minutes near to 100°C and decolourised using H₂O₂. Deacetylation was done by treatment with 50% NaOH at 100 - 150°C for one hour and was washed well with distilled water and then dried at hot air oven at 60°C for 4 hours.

Euphorbia hirta leaves were shade dried for 15 days, powdered and the Ethanolic extract of the leaves was obtained using Soxhlet extractor. Nickel chloride hexahydrate was obtained from Merck, India. Only deionised water was used in the entire study.

Preparation of nickel oxide nanoparticles: Nickel oxide nanoparticles are synthesised by the reduction of Nickel (II)



Source details

Journal of King Saud University - Science

Open Access ⓘ

Scopus coverage years: 1994, from 2009 to Present

Publisher: Elsevier

ISSN: 1018-3647

Subject area: Multidisciplinary

Source type: Journal

CiteScore 2022 ⓘ
6.3

SJR 2022 ⓘ
0.540

SNIP 2022 ⓘ
1.294

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ⓘ

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

6.3 = $\frac{10,496 \text{ Citations } 2019 - 2022}{1,667 \text{ Documents } 2019 - 2022}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

7.2 = $\frac{14,268 \text{ Citations to date}}{1,978 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Multidisciplinary	#14/134	89th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

JOURNAL OF KING SAUD UNIVERSITY SCIENCI Search

Sort By: Relevancy

Search Results

Found 20,839 results (Page 1) Share These Results

Exact Match Found

JOURNAL OF KING SAUD UNIVERSITY SCIENCE OPEN ACCESS Publisher: ELSEVIER, RADARWEG 29, AMSTERDAM, Netherlands, 1043 NX ISSN / eISSN: 1018-3647 / 2213-686X Web of Science Core Science Citation Index Collection: Expanded Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Essential Science Indicators Share This Journal View profile page *Requires free login.

Other Possible Matches





ScienceDirect

Journal of King Saud University - Science
Open access

	6.3 CiteScore	3.8 Impact Factor
Submit your article ↗	Guide for authors	
Menu	Search in this journal	

About the journal

Peer Review under the responsibility of King Saud University

Aims and Scope:

Journal of King Saud University – Science is an official refereed publication of King Saud University and the publishing services is provided by Elsevier. It publishes peer-reviewed research articles in the fields of ...

[View full aims & scope](#)

\$1600 ⓘ
Article publishing charge
for open access

9 days
Time to first decision

114 days
Review time

112 days
Submission to acceptance

[View all insights](#)

[FEEDBACK](#) ⓘ





Original article

Green synthesized ZnO NPs as effective bacterial inhibitor against isolated MDRs and biofilm producing bacteria isolated from urinary tract infections



Manavalan Murugan ^a, K.R. Beula Rani ^b, J. Albino Wins ^c, Govindan Ramachandran ^d, Feng Guo ^{e,*}, Ramzi A. Mothana ^f, Omar M. Noman ^f, Fahd A. Nasr ^g, Muhammad Zubair Siddiqi ^g

^a Department of Biomedical Engineering, Noorul Islam Centre for Higher Education, Kumaracoil 629180, Tamil Nadu, India

^b Department of Microbiology, Malankara Catholic College, Mariagiri, Kaliyakkavilai 629153, Kanyakumari District, Tamil Nadu 629180, India

^c Department of Botany, Holy Cross College, Nagercoil 629004, Kanyakumari District, Tamil Nadu, India

^d Marine Pharmacology and Toxicology Laboratory, Department of Marine Science, Bharathidasan University, Tiruchirappalli 620024, Tamil Nadu, India

^e Department of Urology Surgery, Jinan Central Hospital, No. 105, Jiefang Road, Jinan City, Shandong Province 250013, China

^f Department of Pharmacognosy, College of Pharmacy, King Saud University, Riyadh, 11451, Saudi Arabia

^g Department of Biotechnology, Hankyong National University, 327 Jungang Road, Gyeonggi-do 17579, South Korea

ARTICLE INFO

Article history:

Received 12 October 2021

Revised 21 November 2021

Accepted 23 November 2021

Available online 27 November 2021

Keywords:

Nanoparticles

Biomedical application

Antibiotic susceptibility

Minimum inhibition concentration

ABSTRACT

Based on the importance of multi drug resistant and biofilm forming bacterial spread, the current research work aimed on synthesizing the nanoparticles of zinc oxide from the plant parts of *Limonia acidissima*. They were assayed for their antibacterial activities against biofilm forming urinary tract infected pathogens including *Salmonella paratyphi*, *Shigella*, *Streptococcus*, *Staphylococcus* and *Klebsiella pneumonia* which was confirmed by anti-microbial susceptibility test, 24-well polystyrene plate and modified tube test methods. The formulation of nanoparticles was confirmed by UV-Visible spectrophotometry. Fourier transform infrared spectroscopy revealed the formation of biomolecules that has great involvement in stabilizing the zinc oxide. The size as well as the shape with high resolution was confirmed with electron microscopical studies. It is very clear that zinc oxide nanoparticles have great antimicrobial effect because of its inhibition role against tested urinary tract bacteria by various invitro experiments. This provides a positive thinking on novel drug discovery, in which human health can be improved. Hence, this study provides a scientific support to the medicinal uses of zinc oxide nanoparticles for the treatment of microbial infections.

© 2021 The Author(s). Published by Elsevier B.V. on behalf of King Saud University. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

1. Introduction

Worldwide, most prevalence infections are urinary tract infection, and it affected >10% peoples every day among the total of 150 million (Abad et al., 2019). Recent years, the most of the physicians reported that the urinary tract infection is the most recognized bacterial infection and the treatment is failure (Soto et al., 2006). In women, it is very complicated infection due to the sud-

den increase of pregnancy diabetics, functional abnormalities, immunocompromised nature and failure of existing drugs (Hashemzadeh et al., 2021; Katongole et al., 2020). More reports are pointed out about urinary tract infection and it account 80% of multi drug resistant behavior (AL-Mahfoodh et al., 2021; Rajivgandhi et al., 2018). Recently, multiple reports are evidenced that bundles of virulence factors are the important specific reasons for developed multi drug resistant in urinary tract infection (Baiou et al., 2021; Govindan et al., 2018). Especially, extended spectrum beta lactamses, quorum sensing and biofilm formation by exopolysaccharide are the more possible reason (Jafarzadeh et al., 2020; Cheng et al., 2015). Among the urinary tract infection, these three virulence factors contributed almost 75% and developed more resistant against existing drugs (El mekes et al., 2020; Chitra et al., 2010). Almost all the beta lactum antibiotics are ineffective or more susceptible to multi a drug resistant bacterium which leads to biofilm formation.

* Corresponding author at: Department of Urology Surgery, Jinan Central Hospital, No. 105, Jiefang Road, Jinan City, Shandong Province 250013, China.

E-mail address: gf6086@sina.com (F. Guo).

Peer review under responsibility of King Saud University.



<https://doi.org/10.1016/j.jksus.2021.101737>

1018-3647/© 2021 The Author(s). Published by Elsevier B.V. on behalf of King Saud University.

This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).



Source details

Physiological and Molecular Plant Pathology

Formerly known as: Physiological Plant Pathology

Scopus coverage years: from 1986 to Present

Publisher: Elsevier

ISSN: 0885-5765 E-ISSN: 1096-1178

Subject area: Agricultural and Biological Sciences: Plant Science Biochemistry, Genetics and Molecular Biology: Genetics

Source type: Journal

CiteScore 2022 ⓘ
4.4

SJR 2022 ⓘ
0.545

SNIP 2022 ⓘ
0.819

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

4.4 = $\frac{1,884 \text{ Citations 2019 - 2022}}{430 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

4.3 = $\frac{2,306 \text{ Citations to date}}{534 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Agricultural and Biological Sciences	#126/487	74th
└ Plant Science		
Biochemistry, Genetics and Molecular Biology	#182/328	44th
└ Genetics		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

- Filters Clear All
Web of Science Coverage
Open Access
Category
Country / Region
Language
Frequency
Journal Citation Reports

Refine Your Search Results

Physiological and Molecular Plant Pathology Search

Sort By: Relevancy

Search Results

Found 2,304 results (Page 1) Share These Results

Exact Match Found

PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY
Publisher: ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD , 24-28 OVAL RD, LONDON, ENGLAND, NW1 7DX
ISSN / eISSN: 0885-5765
Web of Science Core Collection: Science Citation Index Expanded
Additional Biological Abstracts | BIOSIS Previews | Web of Science Current Contents Agriculture, Biology & Environmental Sciences | Current Contents Indexes: Life Sciences | Essential Science Indicators
Share This Journal View profile page * Requires free login.

Other Possible Matches





ScienceDirect

Physiological and Molecular Plant Pathology

Supports open access

4.4

CiteScore

2.7

Impact Factor

[Submit your article ↗](#)

[Guide for authors](#)



Menu



Search in this journal

About the journal

Physiological and Molecular Plant Pathology provides an International forum for original research papers, reviews, and commentaries on all aspects of the **molecular biology, biochemistry, physiology, histology and cytology, genetics and evolution of plant-microbe interactions.**

Papers on all kinds ...

[View full aims & scope](#)

\$3450 ⓘ

Article publishing charge
for open access

13 days

Time to first decision

73 days

Review time

102 days

Submission to acceptance



[View all insights](#)

FEEDBACK






Physiological and Molecular Plant Pathology

Volume 119, May 2022, 101816

Phytopathogenic bacterial and nematocidal activity of extracts and powder of *Adhatoda vasica* on *Meloidogyne incognita*

N. Benit  , J.S.J. Kumar, Khalid S. Almaary, Mohamed S. Elshikh, Rabab Ahmed Rasheed, Paulrayer Antonisamy

Show more 

 Share  Cite

<https://doi.org/10.1016/j.pmpp.2022.101816>

[Get rights and content](#) 

Introduction

The undesirable application of synthetic pesticides to control nematode pests increased phytotoxicity, environmental pollution, and resistance to nematodes, in addition to its very high cost [1]. The growing environment coupled with ban on many nematicides needed a decrease in chemical nematicides usage and the search of natural pesticides. The utilization of natural antibacterial and nematocidal compounds in crop production and protection has attracted much more attention from consumers and farmers [2]. Plant-parasitic nematodes (PPN) are significant agricultural pests capable of creating yield losses to a great extent. The nematode pests affected roots of agricultural crops and involved in root dysfunction, decreased rooting volume and decreased efficiency in utilization of nutrients and water [3]. The root-knot nematodes *Meloidogyne* spp. involve economic loss in horticulture crops [4,5]. The application of plant secondary metabolites as an alternative route for management of root-knot nematode has become increasing significant [7]. The implementation of successful nematode pesticide control programme requires integrated approach that combines various factors [6]. Plants secrete secondary metabolites that help them to be more competent in their own system. Moreover, these small molecules exert a wide range of effects on the plant and on other living organisms. They involved in abscission, flowering, fruit development, controlling perennial growth through signal deciduous behaviour etc. [8]. They act as antimicrobials and perform the role of attractants or, conversely, as repellents. Nematicidal compounds such as phenols, alkaloids, polyacetylenes, sesquiterpenes, isothiocyanates, diterpenes, thienyls, fatty acids and glucosinolates were determined from the plants [9], [10], [11], [12].

Medicinal plants have various biologically active secondary metabolites. These medicinal plants contain phenolic compounds, flavonoids, steroids and other bioactive compounds [13,14]. These phytochemicals have antimicrobial, anticancer, haemolytic, photocatalytic and antioxidant activities [15], [16], [17], [18], [19], [20]. Plants are richest organic reservoirs of nature are receiving increasing attention to treat or kill various plant-parasites [21]. Much awareness of the health hazards and environmental risks by chemical agents, the development of phyto insecticides and antibacterial agents has imparted great interest among research communities all over the world [22]. The antibacterial activity of medicinal plants against phytopathogen was reported in recent years. Phenolic compounds from medicinal plants, including tea extract have broad spectrum antimicrobial properties against plant pathogens [23], [24], [25]. Generally, biopesticides or biological antibacterials from plants are non-persistent in the field scenario as they are readily converted by microorganisms, oxygen and light into less toxic products [26]. Plant extracts are potential alternate for the toxic synthetic nematocidal agents. *Adhatoda vasica* is one of the medicinal plants and has effective antibacterial and antifungal properties. *Adhatoda vasica* is a common medicinal plant in Asia of family Acanthaceae and well known widely previously for its mucolytic properties [27,28]. In the current study, the antimicrobial potency of ethanol extract of *Adhatoda vasica* against phyto pathogenic bacteria was studied. The aqueous extract was used to investigate juvenicidal and ovicidal potential against *M. incognita* under green house condition and field trials.





Source details

Environmental Research

Years currently covered by Scopus: from 1967 to 1995, from 1997 to 2024

Publisher: Elsevier

ISSN: 0950-4230 E-ISSN: 1894-8963

Subject area: Medicine Public Health, Environmental and Occupational Health

Environmental Science General Environmental Science Biochemistry, Genetics and Molecular Biology Evolutionary Biology

Source type: Journal

CiteScore 2023
12.6

SJR 2023
1.679

ISIIF 2023
1.496

[View all documents](#) [Get document alert](#) [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

CiteScore 2023

12.6 = $\frac{96,278 \text{ Citations } 2020 - 2023}{7,640 \text{ Documents } 2020 - 2023}$

[View citation details](#)

CiteScoreTracker 2024

11.9 = $\frac{88,226 \text{ Citations to date}}{8,274 \text{ Documents to date}}$

[View citation details](#) [View document details](#)

CiteScore rank 2023


Category	Rank	Percentile
Medicine		
Public Health, Environmental and Occupational Health	621/641	96%
Environmental Science	10,000/10,000	100%

[View CiteScore methodology](#) [CiteScore FAQ](#) [Add CiteScore to your site](#)



Home | About | Contact Us

[Master Journal List](#)
 [Search Journals](#)
 [Match Manuscript](#)
 [Downloads](#)
 [Help](#)


 The power of the Web of Science™ on your mobile device, wherever inspiration strikes.

[Dismiss](#) [Learn More](#)


Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

Web of Science Coverage ▼

Open Access  ▼

Category ▼

Country / Region ▼

Language ▼

Frequency ▼

Journal Citation Reports ▼

Refine Your Search Results

0013-9351 [Search](#)

Sort By: Title (A-Z) ▼

Search Results

Found 1 results (Page 1) [Share These Results](#)

Exact Match Found

ENVIRONMENTAL RESEARCH

Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE, 525 B ST, STE 1000, SAN DIEGO, USA, CA, 92101-4095

ISSN / eISSN: 0013-9351 / 1096-0953

Web of Science Core Collection: Science Citation Index Expanded

Additional Indexes: [Biological Abstracts](#) | [BIOSIS Previews](#) | [Web of Science Current Contents Agriculture, Biology & Environmental Sciences](#) | [Current Contents Life Sciences](#) | [Essential Science Indicators](#)

[Share This Journal](#)
 [View profile page](#)

* Requires free login.

1 - 1
 10
 11
 12
 13
 14
 15





ScienceDirect

Environmental Research

Supports open access

22.6

CiteScore

1.7

Impact Factor

Submit your article

Guide for authors

Menu



Search in this journal

About the journal

A Multidisciplinary Journal of Environmental Sciences and Engineering

Environmental Research is a multi-disciplinary journal publishing high quality and novel information about anthropogenic issues of global relevance and applicability in a wide range of environmental disciplines, and demonstrating ...

[View full aims & scope](#)

\$3590 ⓘ

Article publishing charge
for open access

3 days

Time to first decision

91 days

Submission to acceptance

6 days

Acceptance to publication



[View all insights](#)

Editors-in-Chief

[View full editorial board](#)

[FEEDBACK](#)





ScienceDirect

Environmental Research

Volume 209, June 2022, 112822

Immobilization of *Halomonas halodurans* and *Bacillus halodurans* in packed bed bioreactor for continuous removal of phenolic impurities in waste water

N. Benit ^{a, *}, S. A. Amala Lourthura ^b, K. Barathikannan ^c, Ashraf Abdel-Fattah Mostafa ^d, Hishah Abdulrahman Alodaini ^e, Mohamed Toha Yassin ^f, Ashraf Ataf Hatamleh ^g

Show more

Share Cite

<https://doi.org/10.1016/j.envres.2022.112822>

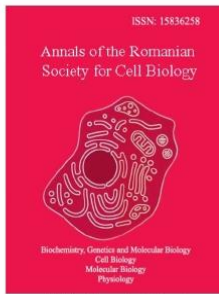
[Get rights and content](#)

Highlights

- Phenol-degrading bacteria were isolated from the coir retting wastewater.
- Bacteria produced laccases and pectinase involved in phenol removal.
- Dual biocatalyst immobilized and applied in packed bed bioreactor.
- Immobilized biocatalyst on alginate beads improved phenol removal.
- Considerable phenol-degradation was achieved after several catalytic cycles.

Abstract





- **Title:** Annals of the Romanian Society for Cell Biology
- **ISSN:** 1583-6258
- **Country:** Romania
- **Publisher:** Association of Cell Biology Romania
- **Frequency:** Monthly
- **Contact:** editor@annalsofscb.ro
- **Editor in Chief:** Ryon Oelen, Wageningen University & Research, Romania
- **Associate Editor:** Assunta Lorenzo, Canada
Iffah Harb, Romania

Most Popular Articles

Laser confocal microscopic study of callose in plants at nature submergence

The dispersion and relative substance of callose in cell dividers of epidermis, mesophyll and vessels of conductive packs of *Potamogeton perfoliatus*, *Potamogeton pectinatus* and *Myriophyllum spicatum* leaves with the laser confocal microscopy (LSM 5, Germany) and Pascal program dissected and contrasted with leaf anatomical qualities. Nature submergence animates callose creation in leaf cells of the epidermis and mesophyll. The reliance on content callose in cell dividers on species, tissue and plant stage advancement set up. It is uncovered that callose substance of mesophyll cells of plants during vegetative stage is significantly more in examination with that in leaves at the blossoming phase of plants.

Histological aspects of the esophagus at Chinchilla (*Chinchilla lanigera*)

From three clinically solid Chinchilla guys butchered by the proprietor for their hide, were gathered throat pieces having a place with the three unique regions: cervical, thoracic and stomach. The tissue pieces were handled by the paraffin incorporation strategy so as to perform histological examination. In each of the three distinct fragments, the esophageal mucosa is spoken to by a separated squamous epithelium with a granular layer twice as evolved contrasted and the spinosum layer and with a medium level of surface keratinization. Muscularis of the mucosa is all around spoke to and present in every one of the three fragments, with an attentive thickening inclination from the cervical to the stomach portion. It is arranged on a solitary layer and is framed from smooth muscle cells with longitudinal orientation.

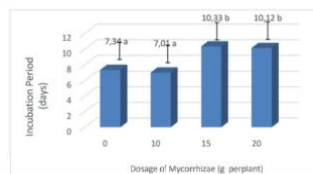
The antioxidants are not enough. *Malus sylvestris* (L.) Mill. extract enhances the carbon tetrachloride liver toxicity in albino rats

Liver toxicosis prompted by CCl₄ presentation is an authoritative model for steatohepatitis. Cancer prevention agents are as often as possible utilized for hepatoprotection yet now and again they have no advantageous impact dependent on the prooxidant properties or lattice harmfulness. Four exploratory gatherings (Control, Extract, CCl₄ and CCl₄ + Extract) of pale skinned person rodents were utilized so as to assess the impact of the hydroglycerin alcoholic *Malus sylvestris* (L.) Mill. separate in CCl₄-prompted steatohepatitis. Blood transaminases and TNF? were expanded after CCl₄ organization and cell-interceded provocative reaction was improved similarly with transaminases and TNF?.

Most Recent Articles

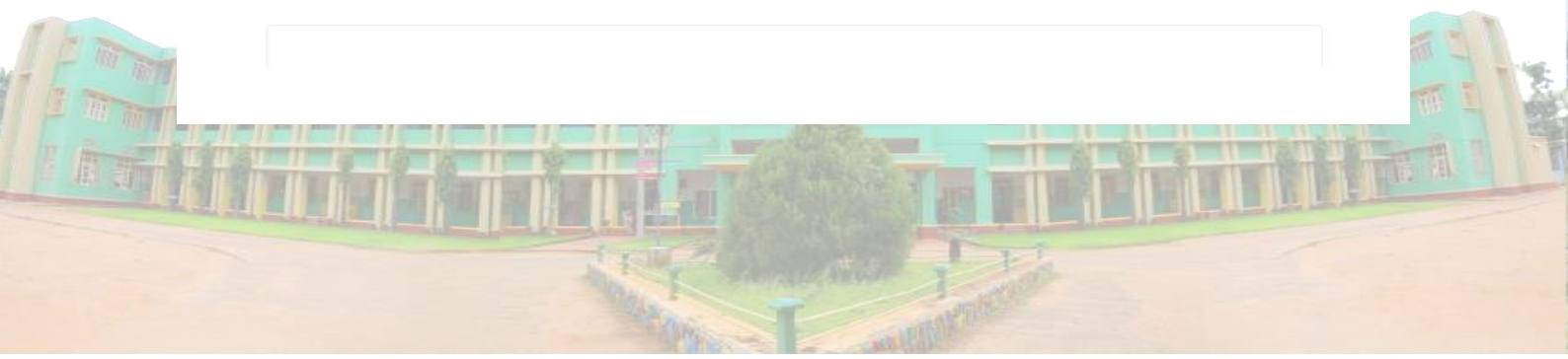
(<http://annalsofscb.ro/index.php/journal/management/settings/context/#myCarousel>)

(<http://annalsofscb>)



Effect of Mycorrhizal Fungi in Controlling Bacterial Leaf Disease in Lowland Rice Caused by *Xanthomonas oryzae* pv *oryzae* Bacteria

Abstract: Bacterial leaf blight on lowland rice caused by *Xanthomonas oryzaepvoryzae* (Xoo) is still an important disease. Yield loss could reached 30-40%. This research was carried out in the experiment station and the plant disease laboratory, Faculty of Agriculture, Syiah Kuala University, Banda Aceh with the aim to determine the effect of mycorrhiza in controlling....Read More (<http://annalsofscb.ro/index.php/journal/article/view/36>)



Diversity of Carnivorous Plants in Kanyakumari Wild life Sanctuary, Southern Western Ghats

B. Santhiya¹, E. Asha Prayline², T. Sindhu Biravi², C. Domettila³, **A. Anami Augustus**
 Arul⁴, S. Sukumaran², R. Mary Sujin⁵, T.S. Shynin Brintha¹ and S. Jeeva¹

¹Department of Botany, Scott Christian College (Affiliated to Manonmaniam Sundaranar University, Tirunelveli), Nagercoil, Tamil Nadu, India; E-mail: santhiyababu27@gmail.com

²Department of Botany, Nesamony Memorial Christian College (Affiliated to Manonmaniam Sundaranar University, Tirunelveli), Marthandam, Tamil Nadu, India

³Department of Botany, St. Jude's College (Affiliated to Manonmaniam Sundaranar University, Tirunelveli), Thoothoor, Tamil Nadu, India

⁴Department of Botany, Holy Cross College (Affiliated to Manonmaniam Sundaranar University, Tirunelveli), Nagercoil, Tamil Nadu, India

⁵Department of Botany, PTMTM College (Affiliated to Alagappa University, Karaikudi), Kamuthi, Tamil Nadu, India

Abstract

Biodiversity has always been an interesting and untamed parts of the earth for human beings even they are much closer to each other. The magical parts of biodiversity, plants play the major role. Like several animals, various plant species are carnivorous, that they consume insects and other small animals for a primary source of minerals and nutrients for growth. Instead of actually eating insects, carnivorous plants trap them by various means, depending upon the kind of plant. Carnivorous plants are on the verge of extinction the world over. The Western Ghats is a global biodiversity hotspot and a world heritage site. Kanyakumari forests form the southernmost ranges of Agasthiyamalai, a compact forested tract in southern Western Ghats. This study aimed at surveying and assessing the Kanyakumari Wildlife Sanctuary for carnivorous plants and resulted in the collection of 13 species. Among the species, 10 taxa belonging to the family Lentibulariaceae, and 3 taxa belonging to the family Droseraceae. *Utricularia babui* S.R.Yadav, Sardesai & S.P.Gaikwad was new distributional record was found in the Western Ghats of India where it grows along small streams in open places. Owing to its significant geographic position in the southern end of the Western Ghats, varied climate and altitude Kanyakumari Wildlife Sanctuary possesses a very rich and diverse flora, especially carnivorous plants. This study gains importance because of the study area faces a lot of threats, mostly anthropogenic, such as summer fires, collection of non-timber forest products, conversion of forest lands into monoculture (rubber plantation), hydroelectric power projects, etc.

Keywords - Western Ghats, Carnivorous plants, *Drosera*, *Utricularia*.





Source details

Gongcheng Kexue Yu Jishu/Advanced Engineering Sciences

Scopus coverage years: from 2017 to Present

Publisher: Editorial Department of Journal of Sichuan University

ISSN: 2096-3246

Subject area: Engineering: General Engineering

Source type: Journal

[View all documents >](#)

[Set document alert](#)

[Save to source list](#)

CiteScore 2022 ⓘ
1.4

SJR 2022 ⓘ
0.223

SNIP 2022 ⓘ
0.476

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more.>](#)

CiteScore 2022 ▼

1.4 = $\frac{886 \text{ Citations 2019 - 2022}}{618 \text{ Documents 2019 - 2022}}$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

1.9 = $\frac{1,138 \text{ Citations to date}}{613 \text{ Documents to date}}$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Engineering		
General Engineering	#191/302	36th

[View CiteScore methodology>](#) [CiteScore FAQ>](#) [Add CiteScore to your site.>](#)



Dear respected authors,

if you can't find our response then please search our mail in your spam box and communicate with us to the following mail as well: yutakaara27@gmail.com

Search for Journal..

Search

Gongcheng Kexue Yu Jishu/Advanced Engineering Science

Gongcheng Kexue Yu Jishu/Advanced Engineering Science (ISSN: 2096-3246) is a bi-monthly peer-reviewed international Journal. Gongcheng Kexue Yu Jishu/Advanced Engineering Science was originally formed in 1969 and the journal came under scopus by 2017 to now. The journal is published by editorial department of Journal of Sichuan University. We publish every scope of engineering, Mathematics, physics.

Submission Deadline
(Vol 56 , Issue 03)
20 Apr 2024

5 Day 7 Hour 27 Min 19 Sec

Publish On
(Vol 56 , Issue 03)
30 Apr 2024

Scopus Indexed (2024)



EVALUATION OF BIODEGRADABLE WASTE AS MANURE FOR TERRACE GARDEN

M.I. Niyas Ahamed

Department of Biochemistry, Sacred Heart College (Autonomous), Tirupattur, Tamilnadu.

J. Albino Wins

Department of Botany, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District, Tamilnadu.

Meenal Rehman

School of Life and Basic Sciences, Jaipur National University, Jaipur, Rajasthan.

Zoyeb Mohamed Zia

P.G and Research Department of Zoology, The New College Chennai, Tamilnadu.

*Corresponding Author: driniyasahamed@shcpt.edu

ABSTRACT

Communities will grow more congested as civilizations become more wealthy and urbanized. As a result, trash disposal, particularly biodegradable waste, will become more difficult since it will be thrown in the streets, having a detrimental effect on both human health and the environment. This biodegradable waste can be turned into vegetable manure for the terrace garden, which would lessen the immediate family needs. Terrace gardening not only helps households obtain fresh produce free of chemicals but also returns some land to agriculture.

Keywords: Negative impact, Manure, Chemical-free, Biodegradable waste

1. INTRODUCTION

The need for the production of organic food in agriculture, which is quickly becoming an appealing source of income generating, is the result of an increased awareness of health and environmental challenges in agriculture. These days, cultivating vegetables has evolved into an economic activity that may be classified as a company. Products labeled as organic have been produced in accordance with a method of agriculture that forgoes the use of chemical fertilizers and pesticides in favor of tending to one's social and environmental responsibilities. This type of farming is effective at the grass roots level, preserving the reproductive and regenerative capacity of the soil. It also produces nutritious food rich in vitality that is resistant to diseases. Good plant nutrition and sound soil management are also important components of this type of farming (Thiripurasundari 2015). When purchasing veggies at the grocery store, you run the risk of ingesting traces of pesticides and other agricultural pollutants. The cultivators employ an excessive amount of chemical fertilizers and pesticides in order to increase their yield and hence their income. The majority of farmers aren't able to determine the precise amount of fertiliser or pesticide to use, so they just throw it on, assuming that the more fertiliser they use, the better the crop will turn out. As a direct consequence of this, the vast majority of the vegetables that are offered for sale in the market contain hazardous compounds. however, the vegetables that you cultivate yourself on your terrace at home won't be exposed to any of those chemicals. It is simple to convert all biodegradable garbage into organic manure that can





Source details

Specialusis Ugdymas

Open Access ⓘ

Scopus coverage years: from 2016 to 2023

Publisher: Vilnius University Press

ISSN: 1392-5369 E-ISSN: 2424-3299

Subject area: Social Sciences: Education Psychology: Developmental and Educational Psychology

Source type: Journal

CiteScore 2022 ⓘ
0.2

SJR 2022 ⓘ
0.127

SNIP 2022 ⓘ
0.107

- View all documents >
- Set document alert
- Save to source list

CiteScore CiteScore rank & trend Scopus content coverage

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ∨

$$0.2 = \frac{5 \text{ Citations 2019 - 2022}}{32 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.3 = \frac{7 \text{ Citations to date}}{24 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
Education	#1414/1469	3rd
Psychology		
Developmental and Educational Psychology	#334/343	2nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



Specialusis Ugdymas

Introduction

The Special Education is an international publication that seeks to supplement the scientific and practical resources for the education and social participation. It provides a forum for researchers and practitioners working in a wide range of fields and settings.

The journal also carries out a scientific communication mission: it brings together researchers and practitioners from the Baltic States and other countries working in the field of education and social participation. The journal publishes articles that have been positively evaluated by experts and present the results of an analysis of theoretical thinking, empirical research, and practical experience of educational and social intervention.

The journal aims to be multidisciplinary, open to educational, psychological, sociological, medical, managerial, political, and more. will not be able to traditions of analysis. In addition, the journal aims to be innovative, publishing only the latest achievements in scientific thought and empirical practice, as well as original articles. Articles in the journal can be published in Lithuanian, English, German and French, with extended abstracts in English / Lithuanian. Journal information and abstracts are published in international scientific databases (EBSCO publishing).

The Journal publishes high-quality works analyzing the educational, social, psychosocial, etc. of people with various disabilities and special needs. The analysis of the situation should be based on the latest socio-political provisions and documents. Only articles that are ethically sound and do not contain any signs of discrimination against people with disabilities (provisions, statements, terms, etc.) are acceptable.

Edited by: Production Department
Review: Blind Peer Review Process
ISSN Online: 1392-5369
Published by: Science Research Society (SRS)
Editors & Editorial Board Scientific Committee Reviewers last year
Periodicity: Monthly
Email: editor@sumc.lt
Education Research Index (EBSCO publishing) since 2005 Education Research Complete (EBSCO publishing) since 2006 Current Abstracts (EBSCO publishing) since 2006 TOC Premier (EBSCO publishing) since 2006 MLA International Bibliography (from No. 2/15 2006) GESIS / Knowledge Base Social Sciences Eastern European Journal list (http://www.ceo-socialscience.net/journals/index) since 2009 Elsevier (www.elsevier.com) from 2012 2 (27) (SCOPUS: https://www.scopus.com/sourceid/21100223584?origin=sbrowse)

Coverage Areas

The journal encourages the publication of original research and development studies, provides theoretical material and resources, and offers a platform for exchanging information and discussion concerning important issues in the area of special education to scholars, teacher educators and practitioners. Some of the potential approaches could be:

- assessment and evaluation of the student/class, individual/collective needs;
- basic and advanced theories of special education;
- traditional and modern methods, recent developments and impact of technologies like modern communication, Information technology, medical advances;
- social psychology, educational psychology;
- learning disabilities and disorders: communication disorders, emotional and behavioral disorders, physical disabilities and developmental disabilities;
- social work, rehabilitation;
- special education design and organization, adapted teaching areas and resources, special education curriculum, instructional strategies;
- methods of provision: inclusion, mainstreaming, segregation;
- teacher/student interaction and attitude during the educational process;
- special education, nursing education;
- social and cultural integration of the student;
- national and international strategies, framework and organization.

Types of Papers The Journal accepts the following categories of papers:

- a. Original research
- b. Position papers/review papers
- c. Short-papers (with well-defined ideas, but lacking research results or having preliminary results)
- d. Technology Discussion/Overview Papers

0.10 ²⁰¹⁸ CiteScore

6th percentile
Powered by Scopus

3.0 ²⁰¹⁹ CiteScore

83rd percentile
Powered by Scopus

1.4 ²⁰²⁰ CiteScore

50th percentile
Powered by Scopus

Downloads

Copyright Form Click Here
(/downloads/copyright_form.pdf)

Paper Template Click Here
(/downloads/paper_template.docx)

Important Links

Home (<http://sumc.lt/index.php/se>)

Aims and Scope
(http://sumc.lt/index.php/se/aims_and_scope)

Call for Papers
(http://sumc.lt/index.php/se/call_for_papers)

Instructions for Authors
(http://sumc.lt/index.php/se/instructions_for_authors)

Paper Topics
(http://sumc.lt/index.php/se/paper_topics)

Editorial Board
(<http://sumc.lt/index.php/se/about/editorialTeam>)

Ethics & Policies
(http://sumc.lt/index.php/se/ethics_and_policies)

Publication Ethics and Publication
Malpractice Statement
(http://sumc.lt/index.php/se/publication_ethics)

Peer Review Policy
(http://sumc.lt/index.php/se/peer_review_policy)

Plagiarism Policy
(http://sumc.lt/index.php/se/plagiarism_policy)

Copyright, Grants and Ownership
Declaration
(http://sumc.lt/index.php/se/copyright_grants_ownership_de)

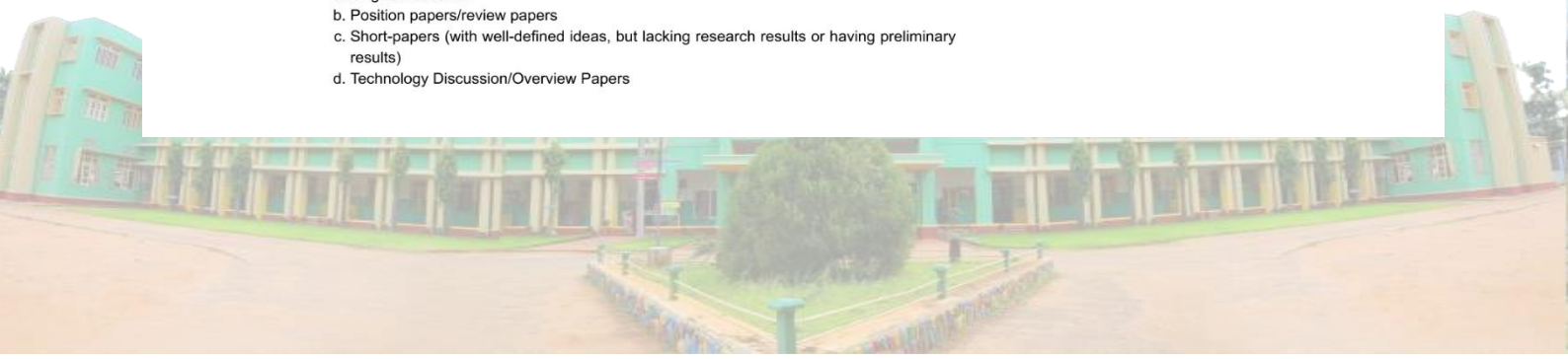
Refund Policy
(http://sumc.lt/index.php/se/refund_policy)

Open Access Overview
(http://sumc.lt/index.php/se/open_access_overview)

Open Access License
(http://sumc.lt/index.php/se/open_access_license)

Permissions
(<http://sumc.lt/index.php/se/permissions>)

COPE
(http://sumc.lt/index.php/se/about_cope)



Review on the Medicinal Applications of Zinc Oxide Nanoparticles

P. Leema Rose, Department of Botany, Holy Cross College (Autonomous), Nagercoil, Tamilnadu.

Email: leemars148@gmail.com

S.Maneemegalai, Department of Biochemistry, Government Arts and Science College for Women (Affiliated to Bharathidasan University), Orathanadu, Tamilnadu.

Email: maneemegalai@gmail.com

M. Kulandhaivel, Department of Microbiology, Karpagam Academy of Higher Education, Pollachi Road, Coimbatore, Tamilnadu.

Email: kulandhaivel.m@kahedu.edu.in

P. Srinivasan, Department of Microbiology, Rathinam College of Arts and Science, Coimbatore, Tamilnadu.

Email: hod.microbiology@rathinam.in

J. Albino Wins, Department of Botany, Holy Cross College (Autonomous), Nagercoil, Tamilnadu.

Email: winsbt@gmail.com

Zoyeb Mohamed Zia, PG And Research Department of Zoology, The New College, Chennai. Tamilnadu.

Email: zoyebmdzia@gmail.com

Abstract

Nanotechnology has advanced dramatically over the last several decades. Zinc oxide (ZnO), which can have a wide range of nanostructures, has unique semiconducting, optical, and piezoelectric properties and has thus been studied for a wide range of applications. Low toxicity and biodegradability are important characteristics of ZnO nanomaterials. Zn²⁺ is an essential trace element for adults (a daily dose of 10 mg is recommended) and is involved in many aspects of metabolism. ZnO's surface is chemically rich in -OH groups, which can be easily functionalized by various surface decorating molecules. We summarised the current state of the use of ZnO nanomaterials for biomedical applications such as biomedical imaging (including fluorescence, magnetic resonance, positron emission tomography, and dual-modality imaging), drug delivery, gene delivery, and biosensing of a wide range of molecules of interest in this review article. Over the next decade, research in biomedical applications of ZnO nanomaterials will flourish, and much effort will be required to develop biocompatible/biodegradable ZnO nanoplatfoms for potential clinical translation.

Keywords: Zinc oxide, nanomaterials, drug delivery, gene delivery.

Introduction

Nanomaterials are nanometer-sized falls with diameters ranging from 1 to 100 nm, and these materials have enhanced unique properties. Physical, chemical, and





Source details

Jundishapur Journal of Microbiology

Scopus coverage years: from 2009 to Present

Publisher: Brieflands

ISSN: 2008-3645 E-ISSN: 2008-4161

Subject area: Medicine: Infectious Diseases Medicine: Microbiology (medical) Immunology and Microbiology: Microbiology

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 ⓘ
1.2

SJR 2022 ⓘ
0.185

SNIP 2022 ⓘ
0.310

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$1.2 = \frac{382 \text{ Citations 2019 - 2022}}{312 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$1.3 = \frac{396 \text{ Citations to date}}{303 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Medicine		
Infectious Diseases	#229/304	24th
Medicine		
Microbiology (medical)	#102/124	17th
Immunology and		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Refine Your Search Results

Jundishapur Journal of Microbiology Search

Sort By: Relevancy

Search Results

Found 489 results (Page 1) Share These Results

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Exact Match Found

JUNDISHAPUR JOURNAL OF MICROBIOLOGY Publisher: BRIEFLAND, 25 Derde Morgen, Shertogenbosch, Netherlands, 5233 NL ISSN / eISSN: 2008-3645 / 2008-4161 Web of Science Core Science Citation Index Collection: Expanded Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Essential Science Indicators Share This Journal View profile page * Requires free login.

Other Possible Matches



Brieflands » Journals » Jundishapur Journal Of Microbiology

Jundishapur Journal of Microbiology

Ahvaz Jundishapur University of Medical Sciences

Navigate to

Overview

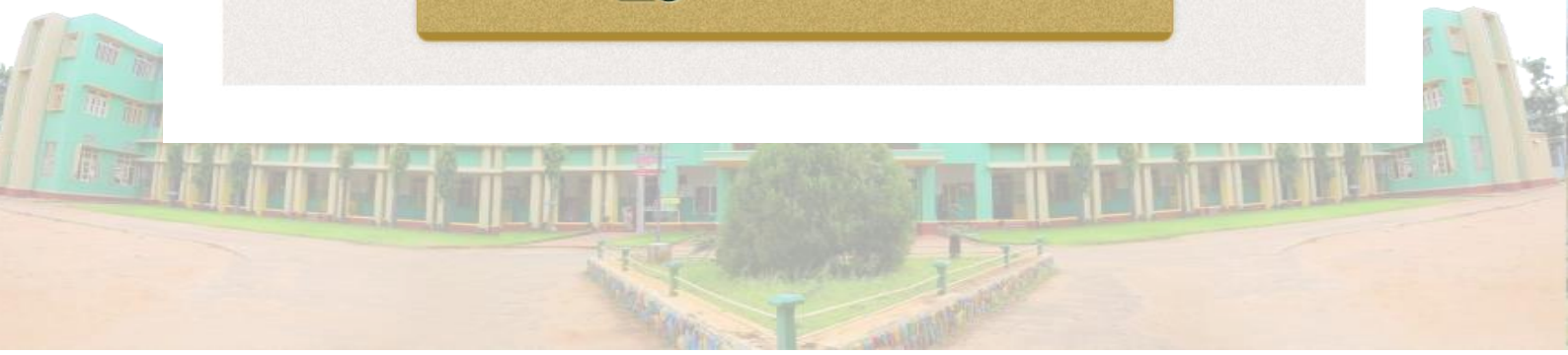
- Scientific Collaborator:** Ahvaz Jundishapur University of Medical Sciences
- ISSN: e: 2008-4161 | p: 2008-3645
- Frequency: Monthly

Abstracted/Indexed: ISI Web of Science (SCIE) | Scopus | EMBASE | EMRO WHO (IMEMR) | Open J-Gate | CINAHL | EBSCO | Scientific Information Database (SID) | Google Scholar | ISC | Ulrichs Web | World Cat | Ricest | ROAD, [more](#)

Scope: All aspects of Microbiology, [more](#)

COPE member: Since 2012

Submit Manuscript



Comparative Phytochemical Screening and Antibacterial Activity of *Azadirachta Indica* and *Cassia Auriculata*.

R. Jacklin Jemi¹, A. Iren Amutha², S. Ani Besant³, P. Shasheela⁴, J. Celin Pappa Rani⁵ and S. Suga⁶

¹& ²Assistant Professor, Department of Botany, Women's Christian College, Nagercoil.

³ 18113042262003, Research Scholar, Department of Botany, Holy Cross College (Autonomous), Nagercoil.

⁴21213152262014, Research Scholar, S.T. Hindu College, Nagercoil.

⁵Assistant Professor of Botany, Holy Cross College (Autonomous), Nagercoil.

⁶Assistant Professor of Botany, Sarah Tucker College (Autonomous), Tirunelveli.

Affiliated to Manonmaniam Sundaranar University, Abisekapatti, Tirunelveli, Tamil Nadu, India.

Corresponding author: rjjemi@gmail.com

Received 2022 February 2; **Revised** 2022 March 20; **Accepted** 2022 April 24

ABSTRACT:

The present study of phytochemical screening and antibacterial activity done to identify potential drugs. The flower extracts of *Azadirachta indica* and *Cassia auriculata* were chosen for a comparative study. It resulted that *Azadirachta indica* flower extract proved to be highly potent against all most of the tested organisms and can treat different ailments

Keywords: Phytochemical, Antibacterial activity, drugs.

INTRODUCTION:

Medicinal plants have been of age long remedies for human diseases because they contain components of therapeutic value. They are rich sources of ecologically developed secondary metabolites, which are potential remedies for different ailments. In many developing countries, traditional medicine is one of the primary health care systems. Natural products of higher plants may give a new source of antimicrobial agents with possibly novel mechanisms of action.

Microorganisms harmful to human beings are termed as pathogens. In the recent past, due to the emergence and increase of such pathogenic strains resistant to multiple antibiotics and the continuing emphasis on health care costs, many researchers have tried to develop new, effective antimicrobial reagents free of resistance and cost. The antimicrobial activity is known to be a function of the surface area in contact with the microorganisms. Drug resistance is a serious global problem, and spread of resistance poses additional challenges for clinicians and the pharmaceutical industry. The use of plant extracts and phytochemicals, both with known antimicrobial properties, can be of great significance in therapeutic treatments. There is a continuous and urgent need to discover new antimicrobial compounds with diverse chemical structures and novel mechanism of action because there has been an alarming increase in the incidence of new and emerging infectious diseases (Parekh and Chanda, 2008). The world



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

"Indian Journal of Natural Sciences " Search

Sort By: Title (A-Z)

Search Results

Found 1 results (Page 1) Share These Results

Exact Match Found

INDIAN JOURNAL OF NATURAL SCIENCES Publisher: TAMIL NADU SCIENTIFIC RESEARCH ORGANISATION, NO 46-141, MEENAKSHIPURAM RD, NEAR POST OFFICE, PUDUKKOTTAI DIST, TAMIL NADU, INDIA, ARIMALAM, 622 201 ISSN / eISSN: 0976-0997 Additional Web of Science Indexes: Zoological Record Share This Journal View profile page *Requires free login.

1 - 1 of 1 Items per page: 10





TamilNadu Scientific Research Organisation

SCIENCE FOR RURAL PROSPERITY

- Home
- About Us
- Aims & Objectives
- Legal Status
- Achievements
- Membership
- Events
- Students Project
- MoUs
- Community Radio Station
- Plant Science Research Division (PSRD)
- Holistic Health Sciences & Research
- Organization Structure
- Infrastructure
- Current Activities
- Annual Report
- Research Journal
- Projects
- Publications
- Donate
- Documents / Reports
- Gallery
- News Clippings
- FAQs
- Contact us



[Annual Reports](#) 
[Research Journal](#) 
[Send Your Articles](#) 

Research Journal



Connecting People with Nature

INDIAN JOURNAL OF NATURAL SCIENCES

ISSN: 0976-0997 (Print, Bimonthly) Multidisciplinary Sciences

Regd.Off : C/o TNSRO, NO 46-141, Meenakshipuram Rd, Arimalam 622 201, Pudukkottai, Tamil Nadu, India


INTERNATIONAL ISI IMPACT FACTOR : 2.452 - 2022-2023
 Scientific Indexing


OPEN ACCESS
[Click Here to See Policy](#)

Tamil Nadu Scientific Research Organization is working for the promotion of society by transferring science & technology since 1997. We are very keen in appreciating and recognizing the contribution of every one of you. We are publishing Indian Journal of Natural Sciences - IJONS from August 2010. The Journal is peer reviewed International Journal for publication of Original Research papers /Reviews/ Short communications/Book reviews/ Reports on conferences/Seminar, Important events, News of interest, Special articles, General articles etc.

Call for Papers: Investigations related to science in all branches

Subjects to be Covered

Physics, Chemistry, Botany, Zoology, Agricultural Sciences, Veterinary Sciences, Geosciences, Aero science, Atmospheric science, Plant science, Animal health, Environmental science, Economic Science, Social Science, Mathematics, Engineering and Technology, Space science and Astronomy, Information and communication, Biotechnology, Biomedicine, Medical Science, Linguistics Science, Earth Science, Statistical Science, Computer Science, Microbiology, Life Science, Environmental Engineering, Computational Biology, Indigenous and Alternative Medicines, Anthropology, Linguistic and Humanities, Earth Sciences and other Natural Sciences,





RESEARCH ARTICLE

Ethnomedicinal plants used by the Vetans of Kanniyakumari District, Tamil Nadu, India

S. Jayakumari¹, M.S. Kala Swarna², T.S. ShyninBrintha³, C. Domettilla⁴, R. Mary Sujin⁵,
A. R. Florence⁶, A. AyunVinuba⁷, V. Sathia Geetha⁸ and S. Jeeva^{3*}

¹Assistant Professor, Department of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari, Tamil Nadu, India.

²Research Scholar, Department of Botany, Scott Christian College (Autonomous), Nagercoil, Tamil Nadu, India.

³Assistant Professor, Department of Botany, Scott Christian College (Autonomous), Nagercoil, Tamil Nadu, India.

⁴Assistant Professor, Department of Botany, St. Jude’s College, Thoothor, Tamil Nadu, India.

⁵Assistant Professor, Department of Botany, P.T.M.T.M College, Kamuthi, Ramanathapura, Tamil Nadu, India.

⁶Assistant Professor, Department of Botany, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India.

⁷Assistant Professor, T.D.M.N.S College, T. Kallikulam, Tirunelveli, Tamil Nadu, India.

⁸A.V.V.M. Sri Pushpam College. Poondi, Thanjavur, Tamil Nadu, India.

Received: 14 May 2022

Revised: 15 June 2022

Accepted: 18 July 2022

***Address for Correspondence**

S. Jeeva

Assistant Professor,
 Department of Botany, Scott Christian
 College (Autonomous), Nagercoil,
 Tamil Nadu, India.



This is an Open Access Journal / article distributed under the terms of the **Creative Commons Attribution License (CC BY-NC-ND 3.0)** which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. All rights reserved.

ABSTRACT

An ethnobotanical survey was carried out among the *Vetan* community people who inhabit in periphery of the southern Western Ghats of Kanniyakumari district. A total of 153 plant species distributed in 134 genera belonging to 60 families were identified as commonly used ethnomedicinal plants used by the *Vetan* communities for the treatment of various ailments. The documented ethnomedicinal plants were mostly used to cure skin diseases, fever, ulcer, cold and cough and rheumatism. Leaves were the most frequently used plant parts. Herbs (70 taxa) were the primary source of medicine, followed by shrubs (52 taxa) trees (30 taxa), climbers (8 taxa). Medicinal plants are arranged alphabetically to their botanical names, vernacular names, family, part of the plant used and ethnomedicinal uses are tabulated along with their major phytochemical constituents. This finding reveals that the study area rich in medicinal flora and the community people still using medicinal plants in their daily life. Traditional knowledge of

45102



≡ UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next



ijfans.org



Search for title, author, doi.

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#) [Archives](#) [Editorial Board](#) [Journal policies](#) [Abstracting and Indexing](#) [Editorial Policies](#) [Contact Us](#)



Volume 13 Issue 1

Correlation Between Personality Traits, Motor Skills, And Anthropometric Measurements In Athletes And Non-Athletes

Volume 13 | Issue 1

Implementation Of Nano Biotechnology In Sanitary Napkin. A Sustainable Approach Towards Environment

Volume 13 | Issue 1

INTERNAL MIGRATION OF CONSTRUCTION WORKERS IN INDIA: REFERENCE TO THIRUVALLUR DISTRICT OF TAMIL NADU

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris - Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

Submit article

[DOWNLOAD FORM](#)

[JOIN AS EDITORIAL BOARD MEMBER](#)

[JOIN AS REVIEWER](#)

[SUBMIT ARTICLES](#)

[PUBLISHER CHANGE INFORMATION](#)

submit.ijfans@gmail.com

In Vitro Antioxidant Activities of *Anaphyllum wightii* Schott Rhizome Extracts

Blessy R^{1*}, Hanna Jeeja Alexander¹, Anami Augustus Arul A²,
Catherine Sheeja V¹, Ani Besant S¹

¹ Research Scholar, Department of Botany, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India

² Assistant Professor, Department of Botany, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India

*Corresponding Author: blessyrichard1994@gmail.com

Abstract

Antioxidant activities of *Anaphyllum wightii* Schott rhizome was estimated by 1,1-diphenyl-2-picrylhydrazyl (DPPH) free radical scavenging activity and nitric oxide (NO) scavenging activity at different concentrations. The results are compared with the standard ascorbic acid. The scavenging effect increases with the concentration of standard and samples. Overall observation shows, among all the tested solvents ethyl acetate shows significant inhibition percentage followed by aqueous, methanol and ethanoic extracts. DPPH radical scavenging activity of ethyl acetate extract possess promising free radicle scavenging percentage 52.19 at lower concentration that is 10 µg/ml. The inhibition percentage of ethyl acetate and aqueous extract is 63.31%, 63.52% at 100 µg/ml concentration. For DPPH assay, Ascorbic acid at a concentration of 10 µg/mL exhibited 60.32% of inhibition and for 100 µg/mL 98.39%. NO scavenging activity shows significant free radicle inhibition percentage 48.04 at lower concentration that is 10 µg/ml. The inhibition percentage of ethyl acetate extract exhibit 71.50 % scavenging activity at 100 µg/ml concentration and the standard ascorbic acid shows 89.94% of inhibition in NO scavenging assay. The present study revealed that the *Anaphyllum wightii* rhizome has significant radical scavenging activity that may be useful for their medicinal functions.

Keywords: *Anaphyllum wightii* Schott, Antioxidant activity, DPPH radical scavenging activity, nitric oxide scavenging activity





International Journal of Botany Studies

[HOME](#) [EDITORIAL BOARD](#) [ARCHIVES](#) [INSTRUCTIONS](#) [INDEXING](#) [CONTACT US](#)



SUBMIT YOUR ARTICLE

botany.article@gmail.com

CERTIFICATE



CONTACT US

Ph: +91-888833871

ISSN: 2455-541X

Indexed Journal
Referred Journal
Peer Reviewed Journal

We send published link,
certificate, coverage

International Journal of Botany Studies is a indexed, refereed, peer reviewed and open access journal. Publish article related to plant sciences, Morphology, Plant Physiology, Phylogeography, Phylogeny, Molecular Genetics, Crop Species Plant Genetics, Ecology, Plant Cell Science, Plant Molecular Biology, Plant Biochemistry, Plant Biophysics, Plant Bioinformatics etc.

Botany Journal Web of Science, Plants Journal Web of Science, Agriculture Journal Web of Science

[Journal List](#)



SEARCH

Search...

COVER PAGE



INDEXING

[Google Scholar](#)

ROAD DIRECTORY OF OPEN ACCESS SCHOLARLY RESOURCES

RJIFACTOR

[ResearchGate](#)

INDEX COPERNICUS
INTERNATIONAL

[Academia.edu](#)



International Journal of Botany Studies

www.botanyjournals.com

ISSN: 2455-541X

Received: 01-01-2022, Accepted: 16-01-2022, Published: 01-02-2022

Volume 7, Issue 2, 2022, Page No. 24-28

Chemical profiling of *Rhinacanthus nasutus* (L.) Kurz leaves using GC-MS analysis

Catherine Sheeja V¹, Anami Augustus Arul², Blessy R¹, Ani Besant S¹, Hanna Jeeja Alexander¹, Jancy Rani G¹

¹ Research Scholar, Department of Botany, Holy Cross College, (Affiliated to Manonmaniam Sundaranar University), Tirunelveli, Tamil Nadu, India

² Assistant Professor, Department of Botany, Holy Cross College, (Affiliated to Manonmaniam Sundaranar University), Tirunelveli, Tamil Nadu, India

Abstract

Rhinacanthus nasutus (L.) Kurz is a herbaceous shrub of the acanthaceae family. It is widely distributed in some regions of the subcontinent of India, China, and Southeast Asia. *Rhinacanthus nasutus* plant is widely used in folk medicine preparations, and recent research has begun to analyze its chemical composition and pharmacological properties. The purpose of this study was to identify the phytochemicals present in the chloroform extract of the *Rhinacanthus nasutus* leaves using GC-MS analysis. As a result of the GC-MS analysis, 18 compounds were identified. GC-MS analysis of the bioactive fraction revealed the highest peaks in the chromatogram. Chloroform extract of the *Rhinacanthus nasutus* (L.) Kurz leaves contain a wide range of biologically important compounds. Therefore, our research's primary goal is to isolate these bioactive compounds and utilize them as therapeutic targets.

Keywords: GC-MS analysis, chloroform extract, *Rhinacanthus nasutus* (L.) Kurz, Ethno medicine

Introduction

Some parts of the sub-continent of India, China, and some regions of Southeast Asia are home to *Rhinacanthus nasutus* (L.) Kurz (family - Acanthaceae). There are several synonyms, as well as local or common names for this herbaceous shrub. This plant is also called snake jasmine, and it is one of the medicinal plants that are used extensively in Indonesia. Phytochemical studies have revealed that *R. nasutus* (L.) Kurz contains secondary metabolites such as flavonoids, steroids, terpenoids, anthraquinones and especially naphthoquinone as the significant compound (Bukke and Ps 2011) [1].

R. nasutus (L.) Kurz ointment is used in alternative medicine for treating skin disorders. Ointments are semi-solid preparations applied externally (Ministry of Health Republic of Indonesia 2013) [2]. Research was conducted to develop a skin disease ointment that was made using *R. nasutus* (L.) Kurz (Fadillah *et al* 2014) [3]. It has been reported that preparations from the roots and leaves of this herb are used to treat prickly heat and scurf, and the whole plant is used for treating ringworm and skin problems such as eczema (Achararit 1983[4], Atsusi and Yoshioki, 1993) [5] as well as pulmonary tuberculosis (Sattar *et al* 2004) [6]. *R. nasutus* (L.) Kurz reduced the activity of viruses that cause herpes, namely herpesvirus (HVS)-1 and HVS-2 (Chaliewchalad *et al* 2013) [7].

A number of pharmaceutical companies and research organizations have recently expressed renewed interest in investigating higher plants as sources for novel lead structures and for the development of standardized phytomedicines that offer reasonable efficacy, safety, and quality (Oduwayo *et al* 2007) [8]. It is therefore necessary to look for secondary metabolites in plants. Thus, this led to the discovery of potentially useful preliminary active ingredients, which can be used to make new drugs from *R. nasutus* (L.) Kurz, by proving through GC-MS analysis

Materials and Methods

Collection and identification of plant material

Leaf samples were collected from Marthandam, Kanyakumari District, Tamil Nadu, India in December 2020. Herbarium was deposited in Holy Cross College (Autonomous) Nagercoil after identification of the plant.

Preparation of plant sample extract

R. nasutus (L.) Kurz were shade dried for two weeks and ground into a fine powder. Chloroform was used as the solvent in the Soxhlet apparatus to extract 100 grams of powdered leaves. In a rotatory evaporator, the extract was cooled to room temperature and evaporated to dry under reduced pressure (Raj *et al* 2015) [9]. The extraction was done for six hours. The final extract was then subjected to GC-MS analysis.





International Journal of Botany Studies

[HOME](#) [EDITORIAL BOARD](#) [ARCHIVES](#) [INSTRUCTIONS](#) [INDEXING](#) [CONTACT US](#)



SUBMIT YOUR ARTICLE

botany.article@gmail.com

CERTIFICATE



CONTACT US

Ph: +91-8886833871

ISSN: 2455-541X

Indexed Journal
Referred Journal
Peer Reviewed Journal

We send published link,
certificate, coverage

International Journal of Botany Studies is a indexed, refereed, peer reviewed and open access journal. Publish article related to plant sciences, Morphology, Plant Physiology, Phylogeography, Phylogeny, Molecular Genetics, Crop Species Plant Genetics, Ecology, Plant Cell Science, Plant Molecular Biology, Plant Biochemistry, Plant Biophysics, Plant Bioinformatics etc.

Botany Journal Web of Science, Plants Journal Web of Science, Agriculture Journal Web of Science

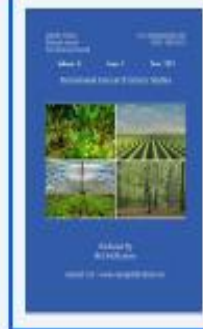
Journal List



SEARCH

Search...

COVER PAGE



INDEXING

Google Scholar

ROAD
DIRECTORY
OF OPEN ACCESS
SCHOLARY
RESOURCES

RJIFACTOR

ResearchGate

INDEX COPERNICUS
INTERNATIONAL

Academia.edu



International Journal of Botany Studies

www.botanyjournals.com

ISSN: 2455-541X

Received: 31-12-2021, Accepted: 15-01-2022, Published: 31-01-2022

Volume 7, Issue 1, 2022, Page No. 698-702

Floristic diversity of Arumanalloor wetland in Kanyakumari district of Tamil Nadu

Ani Besant S, A Anami Augustus Arul

Department of Botany, Holy Cross College, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India

Abstract

The current research was carried out to investigate the wetland diversity of Arumanalloor in Kanyakumari district of Tamil Nadu. An extensive floristic survey with regular field visits was conducted during 2019 – 2020. During the field visits total of 103 species belong to 94 genera and 48 families have been reported. Out of these 103 species recorded, 13 species belong to pteridophytes, 64 species belong to dicotyledons, 26 species belong to monocotyledons were reported. Poaceae was the most dominant family with 11 plant species followed by Asteraceae, Euphorbiaceae and Pteridaceae. As a result, the regular floristic surveys are needed to examine and maintain the wetland diversity.

Keywords: wetland diversity, Floristic diversity, floristic survey

Introduction

Medinilla Gaudich. ex. DC, is an old Afro-asiatic genus consist of 430 species. Among these four species are Wetlands are important habitats because the heterogeneity in hydrology and soil conditions supports a broad variety of ecological niches and biodiversity (McCartney & Hera, 2004) ^[1]. Many wetlands harbour several kinds of economically useful macrophytes (Muthulingam *et al.*, 2010) ^[2]. Ecosystem goods provided by the wetlands mainly include: water for irrigation, fisheries, non-timber forest products, water supply and recreation. Major services include carbon sequestration, flood control, ground water recharge, nutrient removal, toxic retention and biodiversity maintenance (Turner *et al.*, 2000) ^[3]. A freshwater ecosystem can be defined by the plants in and around it. Always plants play a major role in the growth and decline of the aquatic regions.

Wetlands are playing a prominent ecological as well as economic role in aquatic ecosystems (Prasad *et al.*, 2002) ^[4]. Worldwide there are more than 100 families of vascular aquatic plants about 7.5% of dicotyledonous and 11% of monocotyledonous (Raja *et al.*, 2015) ^[5]. Aquatic plants grow profusely in lakes and waterways all over the worlds and have in recent decades their negative effects magnified by man's intensive use of natural water bodies (Ramulu & Benarjee, 2016) ^[6].

In Tamil Nadu, we have utilized more than 90% of the available surface water and more than 60% of the available ground water. Wetlands are "transitional area between a terrestrial and aquatic system where the water table is conventionally at or near the surface or land is covered by shallow water (Mitsch and Gosselink, 1986) ^[7]. The wetlands are lakes, ponds, reservoirs and seasonally water holding areas. Wetlands are major waterbodies seen around southern part of India. Especially the agriculture of Tamilnadu is only dependent of wetlands. Every year a part of budget is fixed to clear up a wetland. But nowadays the conditions of wetlands in Tamilnadu are hectic in condition. The water qualities of the wetlands were maintained by the phytoplankton and the macrophytes only.

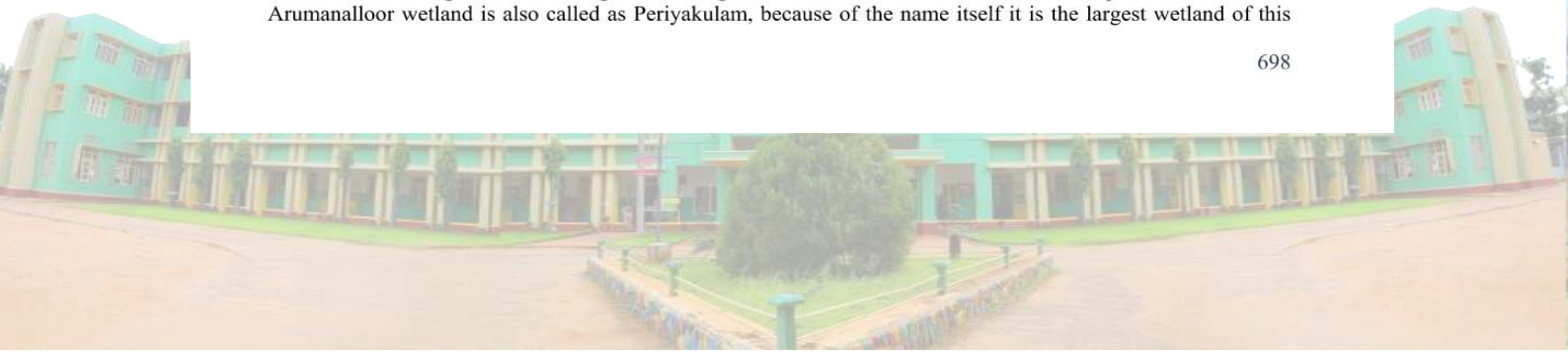
Arumanalloor village is rich in wetlands; there are few rivers, streams, ponds in and around the village. This may be due to the presence of hilly regions and forest area. During rainy seasons the water from hilly regions were collected in the wetlands and used for irrigation purpose.

Different authors have reported diversity of aquatic macrophytes in various freshwater ecosystem all over the world (Ahmad *et al.*, 2015; Kumar & Chelak, 2015; Ramulu & Benarjee, 2016; Gulia *et al.*, 2017; Joshi, 2018) ^[9, 10, 6, 8, 11]. The present inventory deals with the documenting of aquatic flora of Arumanalloor wetland.

Study Area

Kanyakumari is a flourishing district positioned in southern India. It is bordered by Tirunelveli district and Kerala state. By nature, the district itself bound with number of wetlands around most of the area. Wetlands in the district are popular site for different variety of native and exotic plant wealth. The district is economically sound as it derives its income from agriculture set up. Topographically this district may be broadly classified as coastal region and interior plains region. The interior plain region surrounds hillocks, river and large number of wetlands such as seasonal and perennial ponds. It is a main resource of irrigation and drinking purposes. The wetlands screening the richness of hydrophytes it affords food and shelter for fishes, frogs, tortoise etc.

Arumanalloor village is a fertile region with a good number of water bodies like river, ponds, streams, etc. Arumanalloor wetland is also called as Periyakulam, because of the name itself it is the largest wetland of this





International Journal of Research in
Pharmaceutical Sciences

Online ISSN : 0975-7538

Home
About
Issues
Journal Policies
Editorial Policies
Payment Policies

Search

Journal Issue



VIEW CURRENT ISSUE

Most Read Articles

Annual Product Quality Review

99 April 22, 2020

Manjunath D.N, Shailesh T, ...

Vendor Qualification and Evaluation in Pharmaceutical Industry

98 April 26, 2020

Borra Vamsi, Hemant Kumar ...

A Review on Holoprosencephaly Disease (CYCLOPIA): Risk Factors, Causes, Pathophysiology and Diagnosis with spotlight of various features reported in cases

88 July 25, 2020

Vishal Kumar, Savita Devi, ...

Glucosamine effects on lipids and blood pressure

63 January 9, 2020

Eham Alhammar, Ahlam Ab...

A retrospective study on the effect of Vitamin C in the management of dengue fever in three different states of India

39 October 9, 2019

Kothai Ramalingam, Christin...

Published Volumes

2010-2024



IJRPS
ISSN: 0975-7538

INDEXED BY

- Elsevier Embase
- Google Scholar
- Crossref
- Index Copernicus
- Scopus Index
- Dimensions

International Journal of Research in Pharmaceutical Sciences (IJRPS) ISSN: 0975-7538 sponsored by JK Welfare & Pharmascope Foundation is established in the year 2009 with people from various avenues of the pharmacy profession. IJRPS is completely devoted to publications related to Pharmaceuticals and Health Sciences. IJRPS will be published quarterly. The journal publishes original research work that contributes significantly to further the scientific knowledge in Pharmaceutical and Health Sciences.






Current Issue

Vol. 15 No. 1 (2024): Volume 15 Issue 1

Published: 2024-02-06

Original Articles

Biodiversity and Healing: Exploring the medicinal potential of wild edible plants abundant in antioxidants

Tapen Seal⁽¹⁾, Basundhara Pitali⁽²⁾, Kavak Chaudhuri⁽³⁾

(1) Plant Chemistry Department, Botanical Survey of India, A. J. C. Bose Indian Botanic Garden, Shibpur, Howrah, India, India

(2) Plant Chemistry Department, Botanical Survey of India, A. J. C. Bose Indian Botanic Garden, Shibpur, Howrah, India, India

(3) Plant Chemistry Department, Botanical Survey of India, A. J. C. Bose Indian Botanic Garden, Shibpur, Howrah, India, India

40-58

Abstract Views : 208 Download : 73 10.26452/ijrps.v15i1.4882

PDF

Comparative study of tissue culture and sensitivity versus swab culture and sensitivity of microorganisms in the healing of diabetic foot ulcers

Debarath Das⁽¹⁾, Kishore D⁽²⁾, Lakshmana R⁽³⁾, Pravin Das⁽⁴⁾, Snigdha N⁽⁵⁾, Malimamma M⁽⁶⁾

(1) General Surgery, SRM Medical College and Hospital, SRMST, Chennai, Tamil Nadu, India, India

(2) General Surgery, Karakkal Memorial Hospital, Chennai, Tamil Nadu, India, India

(3) General Surgery, SRM Medical College and Hospital, SRMST, Chennai, Tamil Nadu, India, India

(4) General Surgery, SRM Medical College and Hospital, SRMST, Chennai, Tamil Nadu, India, India

(5) General Surgery, SRM Medical College and Hospital, SRMST, Chennai, Tamil Nadu, India, India

(6) General Surgery, SRM Medical College and Hospital, SRMST, Chennai, Tamil Nadu, India, India



Online Submission



Join as Editor

Journal Menu

- [Focus & scopes](#)
- [Author Guideline](#)
- [Preparation fo Manuscript](#)
- [Copy of Any Publication](#)
- [Plagiarism](#)
- [Editorial team](#)
- [Indexing](#)
- [Statistics](#)

Useful Download

- [Covering Letter](#)
- [Copyright Form](#)
- [Author Undertaking](#)
- [Preparation fo Manuscript](#)
- [Check List](#)
- [Correction Template](#)
- [Contact Us](#)
- [Disclaimer](#)

Editorial Board

Honorary Editor in Chief

Prof. KB Chandra Sekhar
Vice Chancellor, Krishna University

Associate Editor

Prof. RAJA. S
GITAM Institute of Pharmacy, GITAM
(Deemed to be university)

Editorial board member



ORIGINAL ARTICLE

INTERNATIONAL JOURNAL OF RESEARCH IN
PHARMACEUTICAL SCIENCES

Published by JK Welfare & Pharmascope Foundation

Journal Home Page: www.ijrps.comDetermination on Antioxidant Activity of *Sansevieria cylindrica* Bojer ex Hook. Leaf Extract

Hanna Jeeja Alexander*, Bojaxa A. Rosy, Ani Besant S, Jancy Rani G, Catherine Sheeja V, Blessy R

Department of Botany, Holy Cross College (Autonomous), Affiliated to Manonmaniam Sundaranar University, Nagercoil, Tirunelveli, Tamil Nadu, India

Article History:

Received on: 10 Dec 2021

Revised on: 12 Jan 2022

Accepted on: 13 Jan 2022

Keywords:

DPPH,
H2O2,
NO,
SO,
S.cylindrica Bojer ex
Hook.

ABSTRACT

Antioxidant compounds work by preventing or detecting oxidative chain reactions caused by free radicals, stabilizing generated radicals and thus reducing the risk of oxidative damage in the body. They are sometimes called as free radical scavengers. Plants are naturally rich in antioxidants which contains bioactive compounds with high antioxidant activity. The work was carried out to verify whether different types of method shows the same sensitivity and/or capacity to determine the antioxidant activity of two different extract of *Sansevieria cylindrica* Bojer ex Hook. Their extracts were analyzed using 4 four different methods (i) DPPH (ii) Hydrogen peroxide (iii) Superoxide (iv) Nitric Oxide scavenging activities. These four methods could quantify the antioxidant capacity. Antioxidant evaluation methods must be fast, reproducible, require small amounts of the chemical compounds being analyzed, and not be affected by the physical characteristics of the compounds. The highest antioxidant activity was observed in both the extracts 13.6% (Ethanolic extract) and 13.9% (Chloroform extract) in 20 μ g/ml concentration of DPPH activity and the lowest antioxidant activity was also observed in ethanolic extract of Nitric oxide radical scavenging activity 68.7% in 100 μ g/ml concentration. Finally the application of DPPH free radicals are higher than the results of other three methods of free radical activity.

*Corresponding Author

Name: Hanna Jeeja Alexander

Phone: 9791703865

Email: hannajeejaalexander13@gmail.com

ISSN: 0975-7538

DOI: <https://doi.org/10.26452/ijrps.v13i1.25>

Production and Hosted by

IJRPS | www.ijrps.com

© 2022 | All rights reserved.

INTRODUCTION

Modern technology makes use of pharmacologically active compounds that are provided by medicinally important plants in the discovery of new therapeutics. According to WHO, about 80% of the

world's population relies on medicinal plants for their medicinal properties [1]. There are many different bioactive components in plants and herbal dietary supplements that have physiological actions in the body that could be used to treat diseases with minimal side effects. Also, these herbal plants can be used by people from all ages and sexes.

A major source of bioactive constituents are antioxidants [2], polyphenols including tannins, and peptides. These molecules slow or prevent oxidation and protect the body against reactive free radicals and metals that are chelating. Phytochemical studies have suggested that the antioxidant abilities of plants are due to their phenolic content [3, 4]. In recent years, there has been increased interest in finding antioxidant phytochemicals in order to prevent degenerative diseases like atherosclerosis, heart attacks, aging, cancer and others [5, 6]. The process of producing free radicals by the





International Journal of Botany Studies

[HOME](#) [EDITORIAL BOARD](#) [ARCHIVES](#) [INSTRUCTIONS](#) [INDEXING](#) [CONTACT US](#)



SUBMIT YOUR ARTICLE

botany.arts@ gmail.com

CERTIFICATE



CONTACT US

Ph: +91-9899033871

ISSN: 2455-541X

Indexed Journal
Referred Journal
Peer Reviewed Journal

We send published link,
certificate, coverage

International Journal of Botany Studies is a indexed, referred, peer reviewed and open access journal. Publish article related to plant sciences, Morphology, Plant Physiology, Phylogeography, Phylogeny, Molecular Genetics, Crop Species Plant Genetics, Ecology, Plant Cell Science, Plant Molecular Biology, Plant Biochemistry, Plant Biophysics, Plant Bioinformatics etc.

Botany Journal Web of Science, Plants Journal Web of Science, Agriculture Journal Web of Science

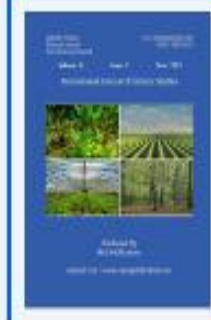
[Journal List](#)



SEARCH

Search...

COVER PAGE



INDEXING

Google Scholar

ROAD
REPOSITORY OF OPEN ACCESS
SCHOLARLY RESOURCES

RJIFACTOR

ResearchGate

INDEX COPERNICUS
INTERNATIONAL

Academia.edu



International Journal of Botany Studies

www.botanyjournals.com

ISSN: 2455-541X

Received: 14-02-2022, Accepted: 02-03-2022, Published: 16-03-2022

Volume 7, Issue 3, 2022, Page No. 116-120

Phytochemical screening and antimicrobial activity of select medicinal plants in Thellanthi village, Kanyakumari district, Tamilnadu, India

J Celin Pappa Rani^{1*}, A R Florence¹, R Raveena², M Sabitha²

¹ Assistant Professor, Department of Botany, Holy Cross College, Nagercoil, Tamilnadu, India

² Department of Botany, Holy Cross College, Nagercoil, Tamilnadu, India

Abstract

Phytochemicals are bioactive compounds present in plants, provide nutritional benefits and reduce the risk of major chronic diseases. Screening of the phytochemicals is the pioneer step in drug discovery. This study aims to evaluate the antimicrobial activity of aqueous, chloroform, and ethanol extracts of *Moringa oleifera* and *Citrus maxima* medicinal plants against two Gram-positive bacteria and two Gram-negative bacteria using phytochemical analysis. In the study, it was revealed that plants with phytochemicals show significant antibacterial activity.

Keywords: *Citrus*, *Moringa*, phytochemicals

Introduction

Since ancient times, plants have been used to treat many diseases. Phytochemicals have become great interest owing to their springy application [1]. These plants are valued for their medicinal properties because they contain chemical substances that produce a specific physiological effect on the body [2]. Compounds, especially secondary metabolites, were isolated from plants, and studies have shown that these compounds have anticancer, antibacterial, analgesic, anti-inflammatory, antitumor, antiviral, and many other activities. [3,4]. They are considered secondary metabolites and are synthesized in all parts of the plant body such as bark, leaves, stems, roots, flowers, fruits, and seeds. Plants produce these chemical compounds as a defense against herbivores, and many of these compounds protect humans from harmful diseases as well [5]. Phytochemicals are naturally occurring chemical substances found in plants that are biologically energetic materials that offer health benefits to humans and are rich in macronutrients as well as micronutrients. They protect plants from illness and damage and thus confer odours (terpenoids), pigmentation (tannins and quinines), and flavors (capsaicin) on plants. [6]. These phytochemicals protect plant cells from various environmental threats, including pollution, stress, drought, UV exposure, and pathogenic assault. Phytochemicals include flavonoids, phenols and phenolic glycosides, saponins and cyanogenic glycosides, tannins, nitrogen compounds (alkaloids, amines, betalains), terpenoids, and endogenous metabolic compounds [7].

Citrus maxima (Burm.) Merr. generally called as Papanus. Bark and roots of *Citrus maxima* incorporate β -sitosterol, acridone alkaloid. It also contains limonine, nerolidol, nerolyl acetate, nerolidol, nerolol, and geraniol in its unripe form. Pommelos are wealthy in Vitamin C [8]. *Moringa oleifera* Lam is used to treat anemia, arthritis and different joint pain (rheumatism), asthma, constipation, diabetes, diarrhea, seizures, belly pain, stomach and intestinal ulcers, intestinal spasms, headache, high blood pressure, kidney stones, menstrual disorders, and thyroid disorders. The plant poses antispasmodic, stimulant and expectorant properties [9, 10].

This study aimed to identify the presence or absence of different phytochemicals in various extracts of *Moringa oleifera* and *Citrus maxima* medicinal plants and to determine their antimicrobial activity against two gram-positive bacteria (*Bacillus subtilis* and *Staphylococcus aureus*) and two Gram-negative bacteria (*Escherichia coli* and *Pseudomonas aeruginosa*) pathogenic bacteria.

Materials and Methods

Collection of sample

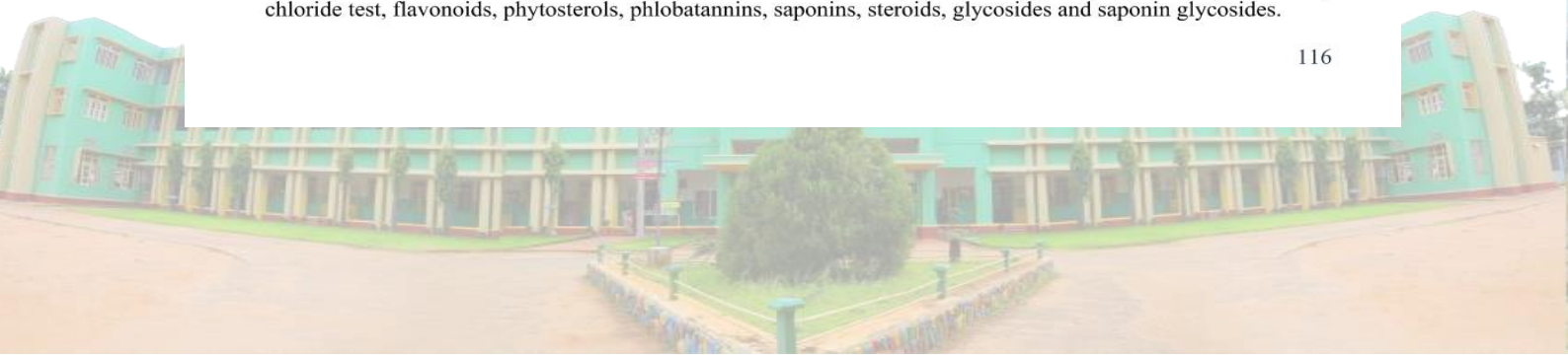
These leaves of *Citrus maxima* and *Moringa oleifera* were collected from Thellanthi, a village located in the Kanyakumari district of Tamilnadu. Cleaned leaves were shade dried.

Preparation of sample

Leaves of *Citrus maxima* and *Moringa oleifera* were shade dried at room temperature for 15 days. They were ground into fine powder using a mechanical blender.

Phytochemical Studies

The crude extracts of *Citrus maxima* *Moringa oleifera* were pull out and subjected to various phytochemical tests for the detection of phytoconstituents such as carbohydrates, amino acids, proteins, vitamins, vitamin-C, chloride test, flavonoids, phytosterols, phlobatannins, saponins, steroids, glycosides and saponin glycosides.



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGICA Search

Sort By: Relevancy

Search Results

Found 22,478 results (Page 1) Share These Results

Exact Match Found

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGICAL SCIENCES B ZOOLOGY OPEN ACCESS Publisher: EGYPTIAN PARASITOLOGISTS UNITED SOC - EPU, Parasitology Department, Faculty of Medicine, Ain Shams University, CAIRO, Egypt, 00000 ISSN / eISSN: 2090-0759 / 2090-0821 Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Zoological Record Share This Journal View profile page *Requires free login.

Other Possible Matches

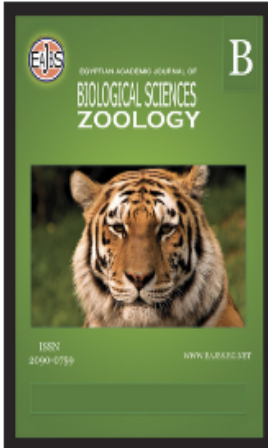




Egyptian Academic Journal of Biological Sciences (B. Zoology)



[Home](#)
[Browse](#)
[Journal Info](#)
[Guide for Authors](#)
[Submit Manuscript](#)
[Contact Us](#)
[Login](#)
[Register](#)



[Articles in Press](#)

[Current Issue](#)

Journal Archive

[Volume 16 \(2024\)](#)

[Issue 1](#)

[Volume 15 \(2023\)](#)

[Volume 14 \(2022\)](#)

[Volume 13 \(2021\)](#)

[Volume 12 \(2020\)](#)

[Volume 11 \(2019\)](#)

[Volume 10 \(2018\)](#)

[Volume 9 \(2017\)](#)

[Volume 8 \(2016\)](#)

[Volume 7 \(2015\)](#)

[Volume 6 \(2014\)](#)

[Volume 5 \(2013\)](#)

[Volume 4 \(2012\)](#)

[Volume 3 \(2011\)](#)

[Volume 2 \(2010\)](#)

[Volume 1 \(2009\)](#)

Most Visited Articles

- [Melanomacrophage Centers: Comparative Histological Insights among Three Reptilian Species](#)
- [Effects of herbal growth promoter feed additive in fish meal on the performance of Nile Tilapia \(*Oreochromis niloticus* \(L.\)\)](#)
- [Toxic and Teratogenic Effects of Sampa-Sampalukan \(*Phyllanthus niruri*\) Leaves Extract Using *Danio rerio* Embryo Assay](#)
- [Revision of Families Veneridae and Macrtridae \(Mollusca: Bivalvia\) From the Suez Gulf, Egypt](#)
- [Techniques for Managing Ticks and Tick-Borne Diseases Under Changing Climate: A review](#)

Current Issue: Volume 16, Issue 1, June 2024

[The Nile Delta and Valley as An Ecological Barrier for Desert Mammals: With Special Reference To The Cairo Spiny Mouse, *Acomys cahirinus*](#)

Pages 1-17

Mahmoud I. Younes

[View Article](#) [PDF 1.48 M](#) [View on SCINiTO](#)

[Citrus limon as A Natural Molluscicide against *Eobania vermiculata* and *Monacha cartusiana* Snails](#)

Pages 19-30

Hend Sh. Ghareeb

[View Article](#) [PDF 572.96 K](#) [View on SCINiTO](#)

[Effectiveness of l-carnitine Nanoparticles against Nephrotoxicity Induced by 5-Fluorouracil in Ehrlich ascites Carcinoma Bearing Mice](#)

Pages 31-46

Heba Elsayed; Asmaa Magdy Zaazaa; Fatma Fouda*

[View Article](#) [PDF 705.58 K](#) [View on SCINiTO](#)

[Ameliorative Effect of Cinnamon against Hypercholesterolemia Induced by High-Fat Diet in The Adult Male Albino Rat's Adrenal Gland: Histological, Ultrastructural, and Immunohistochemical Studies](#)

Pages 47-64

Eman H. Kandil; Samah M. Arisha; Mona E. Saif

[View Article](#) [PDF 2.2 M](#) [View on SCINiTO](#)

[Estimating Seasonal Abundance of Piercing-Sucking Insects and Their Natural Enemies on Sweet Basil Plants](#)

Pages 65-75

Heba A. Ismail; A. A.A. Saleh; Mageda M. Abdel Hafez; Rehab M. El- Gendy

[View Article](#) [PDF 954.54 K](#) [View on SCINiTO](#)

[Alleviative Role of Hemin on Reproductive Functions of Adult Male Rats](#)

Publication Information

Publisher
Egyptian Society of Biological Sciences

Editor-in-Chief
Reda Bakr

Co-Editor-in-Chief
Abu-Bakr Reda

Executive Assistant
Abd Elwahab Ibrahim

Advisory Board
Fikri El-Dawey
Hisham El-Henawy
Abo Bakr Abdel shakor
Sara Abd-Elhakeem
Khalid Hamadah
Dr. Priyanka Ray

Editorial Board
Prof. Dr. Hynek Burda
Prof. Dr. Mohamed Dakki
Prof. Dr. João Pedro
Prof. Dr. Mayuri R. Wijesinghe

Frequency Semiannual

Print ISSN 2090-0759

Online ISSN 2090-0821

Search

[Advanced Search](#)

Indexing and Abstracting



[Belepes az adatbazisba](#)

[Tulso City county library](#)



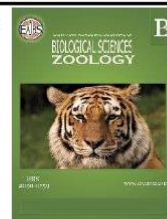


Egypt. Acad. J. Biol. Sci., 14(2): 431-437 (2022)

Egyptian Academic Journal of Biological Sciences

B. Zoology

ISSN: 2090 – 0759

<http://eajbsz.journals.ekb.eg/>

Survey of Natural Agglutinins in Two Species of Marine Crabs

Rathika, R.K., Mary Mettilda Bai, S. and Vinoliya Josephine Mary, J.

Department of Zoology, Holy Cross College (Autonomous), Nagercoil,
Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.E-mail*: metti.silvester@gmail.com

ARTICLE INFO

Article History

Received: 11/9/2022

Accepted: 18/11/2022

Available: 24/11/2022

Keywords:

Agglutinins,
Erythrocytes,
*Grapsus
albolineatus*,
Biochemical
factors.

ABSTRACT

Agglutinins/lectins are conventionally defined as proteins/glycoproteins of non-immune origin with a remarkable ability to specifically and reversibly interact with carbohydrate ligands. Lectins from different sources may essentially exhibit common biological activities. This study was therefore undertaken to survey naturally occurring agglutinins in two species of marine crabs by hemagglutination assay using mammalian erythrocytes. Hemagglutination assay results showed that the hemolymph of the marine crab *Grapsus albolineatus* showed the highest HA titer with rat erythrocytes. HA titer of the crab *Leptodius sanguineus* varied from 0 to 32 with all the tested erythrocytes. Among the various tissues of *Grapsus albolineatus* analyzed for the presence of agglutinins, hemagglutination activity was observed in the hemolymph and hepatopancreas with rat erythrocytes. HA was determined by both male and female crabs of *Grapsus albolineatus*. HA activity increased with an increase in animal size. Biochemical factors like water, protein and calcium content of the hemolymph did not have any influence on the HA titer.

INTRODUCTION

Invertebrate lectin seems to participate in the innate immune response by inducing bacterial agglutination or activation of phagocytosis through binding to sialic acids on foreign cells (Iwanga and Lee 2005). Invertebrate innate immunity relies on both cellular and humoral components. Humoral molecules are mainly found in hemolymph plasma and cell hemocytes. The hepatopancreas and hemocytes of crustaceans are regarded as the most important tissues involved in crustacean immunity (Grass *et al.*, 2001). Lectins are proteins with diverse molecular structures that share the ability to recognize and bind specifically and reversibly to carbohydrate structures without changing the carbohydrate moiety. Lectin is described as a substance that can agglutinate cells or precipitate glycoconjugates, with a structure resembling a carbohydrate-binding protein or glycoprotein and is not of immune origin (Vasconcelos *et al.*, 2004). Due to its capacity to react selectively on a specific sugar group (Marques and Barraco 2000), lectins are considered a biomolecule of interest in glycobiology. Lectins have gained much attention for biomedical applications owing to their antimicrobial and anticancer potential (Silvester Mary Mettilda Bai *et al.*, 2022). Along with their biological role, they are documented as

Citation: Egypt. Acad. J. Biol. Sci. (B. Zoology) Vol. 14(2) pp: 431-437(2022)

DOI: 10.21608/EAJBSZ.2022.277914

NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Refine Your Search Results

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGIC/ Search

Sort By: Relevancy

Search Results

Found 22,478 results (Page 1) Share These Results

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Exact Match Found

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGICAL SCIENCES B ZOOLOGY OPEN ACCESS Publisher: EGYPTIAN PARASITOLOGISTS UNITED SOC - EPU, Parasitology Department, Faculty of Medicine, Ain Shams University, CAIRO, Egypt, 00000 ISSN / eISSN: 2090-0759 / 2090-0821 Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Zoological Record Share This Journal View profile page * Requires free login.

Other Possible Matches

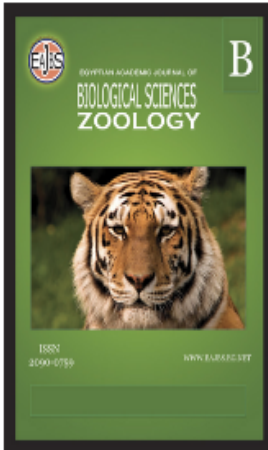




Egyptian Academic Journal of Biological Sciences
(B. Zoology)



Home Browse Journal Info Guide for Authors Submit Manuscript Contact Us Login Register



Articles in Press

Current Issue

Journal Archive

- Volume 16 (2024)
 - Issue 1
- + Volume 15 (2023)
- + Volume 14 (2022)
- + Volume 13 (2021)
- + Volume 12 (2020)
- + Volume 11 (2019)
- + Volume 10 (2018)
- + Volume 9 (2017)
- + Volume 8 (2016)
- + Volume 7 (2015)
- + Volume 6 (2014)
- + Volume 5 (2013)
- + Volume 4 (2012)
- + Volume 3 (2011)
- + Volume 2 (2010)
- + Volume 1 (2009)

Most Visited Articles

- Melanomacrophage Centers: Comparative Histological Insights among Three Reptilian Species
- Effects of herbal growth promoter feed additive in fish meal on the performance of Nile Tilapia (*Oreochromis niloticus* (L.))
- Toxic and Teratogenic Effects of Sampa-Sampalukan (*Phyllanthus niruri*) Leaves Extract Using *Danio rerio* Embryo Assay
- Revision of Families Veneridae and Macrtridae (Mollusca: Bivalvia) From the Suez Gulf, Egypt
- Techniques for Managing Ticks and Tick-Borne Diseases Under Changing Climate: A review

Current Issue: Volume 16, Issue 1, June 2024

The Nile Delta and Valley as An Ecological Barrier for Desert Mammals: With Special Reference To The Cairo Spiny Mouse, *Acomys cahirinus*

Pages 1-17

Mahmoud I. Younes

View Article PDF 1.48 M View on SCINITO

Citrus limon as A Natural Molluscicide against *Eobania vermiculata* and *Monacha cartusiana* Snails

Pages 19-30

Hend Sh. Ghareeb

View Article PDF 572.96 K View on SCINITO

Effectiveness of l-carnitine Nanoparticles against Nephrotoxicity Induced by 5-Fluorouracil in Ehrlich ascites Carcinoma Bearing Mice

Pages 31-46

Heba Elsayed; Asmaa Magdy Zaazaa; Fatma Fouda*

View Article PDF 705.58 K View on SCINITO

Ameliorative Effect of Cinnamon against Hypercholesterolemia Induced by High-Fat Diet in The Adult Male Albino Rat's Adrenal Gland: Histological, Ultrastructural, and Immunohistochemical Studies

Pages 47-64

Eman H. Kandil; Samah M. Arisha; Mona E. Saif

View Article PDF 2.2 M View on SCINITO

Estimating Seasonal Abundance of Piercing-Sucking Insects and Their Natural Enemies on Sweet Basil Plants

Pages 65-75

Heba A. Ismail; A. A.A. Saleh; Mageda M. Abdel Hafez; Rehab M. El- Gendy

View Article PDF 954.54 K View on SCINITO

Alleviative Role of Hemin on Reproductive Functions of Adult Male Rats

Publication Information

Publisher
Egyptian Society of Biological Sciences

Editor-in-Chief
Reda Bakr

Co-Editor-in-Chief
Abu-Bakr Reda

Executive Assistant
Abd Elwahab Ibrahim

Advisory Board
Fikri El-Dawey
Hisham El-Henawy
Abo Bakr Abdel shakor
Sara Abd-Elhakeem
Khalid Hamadah
Dr. Priyanka Ray

Editorial Board
Prof. Dr. Hynek Burda
Prof. Dr. Mohamed Dakki
Prof. Dr. João Pedro
Prof. Dr. Mayuri R. Wijesinghe

Frequency Semiannual

Print ISSN 2090-0759

Online ISSN 2090-0821

Search

Advanced Search

Indexing and Abstracting



Belepes az adatbazisba

Tulso City county library

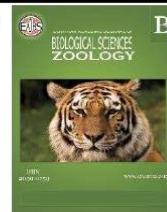


Egypt. Acad. J. Biol. Sci., 14(2):397-409(2022)

Egyptian Academic Journal of Biological Sciences

B. Zoology

ISSN: 2090 – 0759

<http://eajbsz.journals.ekb.eg/>

***In vitro* Evaluation of Antioxidant, Antibacterial and Anticancer Activities of
Phyla nodiflora Aqueous Leaf Extract**

Regis Freeda R.^{1*} and Dr. Jeni Chandar Padua²^{1*} Research Scholar ² Assistant Professor^{1,2} Department of Zoology, Holy Cross College (Autonomous), Nagercoil.

Affiliated to Manonmaniam Sundranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India

E.mail*: regisfreeda@holycrossngl.edu.in**ARTICLE INFO****Article History**

Received:5/9/2022

Accepted:8/11/2022

Available:14/11/2022

Keywords:*P. nodiflora*,
Antibacterial,
Antioxidant,
Anticancer,
DPPH.**ABSTRACT**

Phyla nodiflora is a creeping perennial herb, which is widely used in folk medicine. The present study evaluates the phytochemical constituents and *in vitro* antioxidant and antibacterial potential of the aqueous leaf extract of *Phyla nodiflora*. The phytochemical analyses were carried out using standard methods. The antioxidant activity of aqueous leaf extract was investigated by using DPPH and total antioxidant activity. The antibacterial assay was determined using the agar well diffusion method against the Gram-positive and Gram-negative bacterial strains such as *Staphylococcus aureus*, *Bacillus subtilis*, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* using streptomycin as a positive control. The aqueous leaf extract of *Phyla nodiflora* was screened against Human Hepatocarcinoma (HepG2) cell lines to determine its anticancer activity. Phytochemical screening of aqueous leaf extract revealed the presence of steroids, flavonoids, carbohydrates, tannins, saponins and alkaloids. Aqueous leaf extract showed DPPH radical scavenging and total antioxidant activity with an IC₅₀ value of 45.91 µg/ml and 52.33 µg/ml. The highest zone of inhibition was found in *K. pneumoniae* (22.5mm), while *P. aeruginosa* (9.1mm) exhibited the lowest zone of inhibition, indicating that the leaf extract has significant antibacterial properties. The aqueous leaf extract of *P. nodiflora* exhibited significant antiproliferative activity against the HepG2 cancer cell line with an IC₅₀ value of 47.5 µg/ml. The increased apoptotic potential of HepG2 cells in a concentration-dependent manner was determined using the Acridine Orange/Ethidium Bromide assay. It has been concluded that the aqueous leaf extract of *Phyla nodiflora* possesses the potential for antioxidant, antimicrobial and anticancer activities.

INTRODUCTION

Medicinal plants are the 'backbone' of traditional remedies. Traditional medicine related to the healing of both human and animal diseases with plant-derived preparations is considered precious information for the discovery of new antimicrobial and antifungal drugs (Seniya *et al.*, 2011). The importance of medicinal plants as a source of active drugs emerged from the chemical profile that produces a clear physiological action on the

Citation: Egypt. Acad. J. Biol. Sci. (B. Zoology) Vol. 14(2) pp: 397-409(2022)

DOI: 10.21608/EAJBSZ.2022.274521



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGIC/ Search

Sort By: Relevancy

Search Results

Found 22,478 results (Page 1) Share These Results

Exact Match Found

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGICAL SCIENCES B ZOOLOGY OPEN ACCESS Publisher: EGYPTIAN PARASITOLOGISTS UNITED SOC - EPU, Parasitology Department, Faculty of Medicine, Ain Shams University, CAIRO, Egypt, 00000 ISSN / eISSN: 2090-0759 / 2090-0821 Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Zoological Record Share This Journal View profile page *Requires free login.

Other Possible Matches

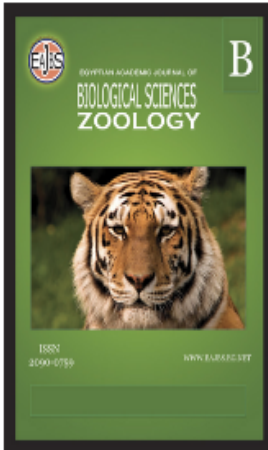




Egyptian Academic Journal of Biological Sciences
(B. Zoology)



Home Browse Journal Info Guide for Authors Submit Manuscript Contact Us Login Register



Articles in Press

Current Issue

Journal Archive

- Volume 16 (2024)
 - Issue 1
- + Volume 15 (2023)
- + Volume 14 (2022)
- + Volume 13 (2021)
- + Volume 12 (2020)
- + Volume 11 (2019)
- + Volume 10 (2018)
- + Volume 9 (2017)
- + Volume 8 (2016)
- + Volume 7 (2015)
- + Volume 6 (2014)
- + Volume 5 (2013)
- + Volume 4 (2012)
- + Volume 3 (2011)
- + Volume 2 (2010)
- + Volume 1 (2009)

Most Visited Articles

- Melanomacrophage Centers: Comparative Histological Insights among Three Reptilian Species
- Effects of herbal growth promoter feed additive in fish meal on the performance of Nile Tilapia (*Oreochromis niloticus* (L.))
- Toxic and Teratogenic Effects of Sampa-Sampalukan (*Phyllanthus niruri*) Leaves Extract Using *Danio rerio* Embryo Assay
- Revision of Families Veneridae and Macrtridae (Mollusca: Bivalvia) From the Suez Gulf, Egypt
- Techniques for Managing Ticks and Tick-Borne Diseases Under Changing Climate: A review

Current Issue: Volume 16, Issue 1, June 2024

The Nile Delta and Valley as An Ecological Barrier for Desert Mammals: With Special Reference To The Cairo Spiny Mouse, *Acomys cahirinus*

Pages 1-17

Mahmoud I. Younes

View Article PDF 1.48 M View on SCINITO

Citrus limon as A Natural Molluscicide against *Eobania vermiculata* and *Monacha cartusiana* Snails

Pages 19-30

Hend Sh. Ghareeb

View Article PDF 572.96 K View on SCINITO

Effectiveness of l-carnitine Nanoparticles against Nephrotoxicity Induced by 5-Fluorouracil in Ehrlich ascites Carcinoma Bearing Mice

Pages 31-46

Heba Elsayed; Asmaa Magdy Zaazaa; Fatma Fouda*

View Article PDF 705.58 K View on SCINITO

Ameliorative Effect of Cinnamon against Hypercholesterolemia Induced by High-Fat Diet in The Adult Male Albino Rat's Adrenal Gland: Histological, Ultrastructural, and Immunohistochemical Studies

Pages 47-64

Eman H. Kandil; Samah M. Arisha; Mona E. Saif

View Article PDF 2.2 M View on SCINITO

Estimating Seasonal Abundance of Piercing-Sucking Insects and Their Natural Enemies on Sweet Basil Plants

Pages 65-75

Heba A. Ismail; A. A.A. Saleh; Mageda M. Abdel Hafez; Rehab M. El- Gendy

View Article PDF 954.54 K View on SCINITO

Alleviative Role of Hemin on Reproductive Functions of Adult Male Rats

Publication Information

Publisher
Egyptian Society of Biological Sciences

Editor-in-Chief
Reda Bakr

Co-Editor-in-Chief
Abu-Bakr Reda

Executive Assistant
Abd Elwahab Ibrahim

Advisory Board
Fikri El-Dawey
Hisham El-Henawy
Abo Bakr Abdel shakor
Sara Abd-Elhakeem
Khalid Hamadah
Dr. Priyanka Ray

Editorial Board
Prof. Dr. Hynek Burda
Prof. Dr. Mohamed Dakki
Prof. Dr. João Pedro
Prof. Dr. Mayuri R. Wijesinghe

Frequency Semiannual

Print ISSN 2090-0759

Online ISSN 2090-0821

Search

Advanced Search

Indexing and Abstracting



Belepes az adatbazisba

Tulso City county library

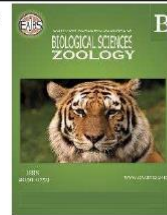


Egypt. Acad. J. Biolog. Sci., 14(2):439-447(2022)

Egyptian Academic Journal of Biological Sciences

B. Zoology

ISSN: 2090 – 0759

<http://ejbsz.journals.ekb.eg/>

Toxicity and Teratogenicity Effects of Aqueous Leaf Extract of *Phyla nodiflora* in Zebrafish (*Danio rerio*) Embryos

Regis Freeda R.^{1*} and Jeni Chandar Padua²^{1*} Research Scholar – Assistant Professor

1,2 Department of Zoology, Holy Cross College (Autonomous), Nagercoil.
Affiliated to Manonmaniam Sundranar University, Abishekapatti, Tirunelveli,
Tamil Nadu, India

E-mail*: regisfreeda@holycrossngl.edu.in

ARTICLE INFO

Article History

Received:15/9/2022

Accepted:20/11/2022

Available:25/11/2022

Keywords:

Phyla nodiflora,
Embryotoxicity,
Teratogenic
Effects, Scoliosis,
Zebrafish.

ABSTRACT

In India, *Phyla nodiflora* plant has often been used as traditional medicine for several years. In the current research, Zebrafish (*Danio rerio*) were used as animal model to examine the toxic and teratogenic effects of the plant on embryonic development. Zebrafish embryos were treated with concentrations of 6.25, 12.5, 25, 50, 100 and 200 µg/ml of the aqueous leaf extract of *P. nodiflora*. The Organization for Economic Co-operation and Development (OECD) guidelines of safety level was met by the extract, which was found to have a median lethal concentration (LC₅₀) value of 147.02 µg/ml. However, the teratogenicity assessment found that embryos exposed to extracts of concentrations 50 µg/ml and above exhibited a variety of developmental abnormalities. The magnitude of the defects was observed to be concentration-dependent. In addition, delayed hatching was seen at concentrations of 100 and 200 µg/ml owing to stunted growth and early death. The surviving embryos at the test concentration of 100 µg/ml indicated a substantial decrease in heart rate. As a result, the treated embryos had bent tail tips, scoliosis, edema in the yolk sac and curved tail. The current investigation has produced preliminary findings on the possible toxicity and teratogenicity of *P. nodiflora* leaf extract on zebrafish embryos.

INTRODUCTION

Plants have been exploited as a useful source of chemical compounds with a wide variety of pharmacological effects, many of which have been developed into medications that are employed in therapeutics (Ghasemzadeh *et al.*, 2015). The promising potential of plants, particularly those with a history of ethno medicinal applications in alleviating a range of illnesses and ailments, has also led to the establishment of a broad array of herbal remedies and supplements around the world. However, despite the beneficial effects on human health, herbs and products derived from them have also been associated with cases of adverse side effects resulting from their ingestion.

Thus, the toxicological assessment of herbal products is an essential step within the framework of herbal product development to protect and ensure consumer safety. By convention, various mammalian models such as mice, rats, and rabbits have been widely


Citation: Egypt. Acad. J. Biolog. Sci. (B. Zoology) Vol. 14(2) pp: 439-447(2022)

DOI: 10.21608/EAJBSZ.2022.277917



Clarivate Products

Master Journal List Search Journals Match Manuscript Downloads Help C


 The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

[Find a Match](#)

Filters [Clear All](#)

- Web of Science Coverage
- Open Access 
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGIC/ [Search](#)

Sort By: Relevancy

Search Results

Found 22,478 results (Page 1) [Share These Results](#)

Exact Match Found

EGYPTIAN ACADEMIC JOURNAL OF BIOLOGICAL SCIENCES B ZOOLOGY **OPEN ACCESS**

Publisher: EGYPTIAN PARASITOLOGISTS UNITED SOC - EPU , Parasitology Department, Faculty of Medicine, Ain Shams University, CAIRO, Egypt, 00000

ISSN / eISSN: 2090-0759 / 2090-0821

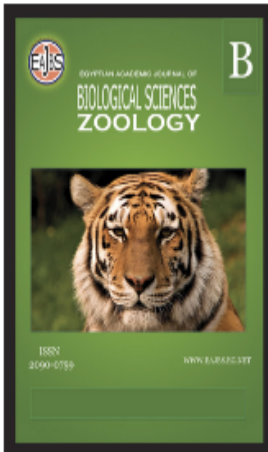
Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews | Zoological Record

[Share This Journal](#) [View profile page](#)

* Requires free login.

Other Possible Matches





Articles in Press

Current Issue

Journal Archive

Volume 16 (2024)

Issue 1

Volume 15 (2023)

Volume 14 (2022)

Volume 13 (2021)

Volume 12 (2020)

Volume 11 (2019)

Volume 10 (2018)

Volume 9 (2017)

Volume 8 (2016)

Volume 7 (2015)

Volume 6 (2014)

Volume 5 (2013)

Volume 4 (2012)

Volume 3 (2011)

Volume 2 (2010)

Volume 1 (2009)

Most Visited Articles

- Melanomacrophage Centers: Comparative Histological Insights among Three Reptilian Species
- Effects of herbal growth promoter feed additive in fish meal on the performance of Nile Tilapia (*Oreochromis niloticus* (L.))
- Toxic and Teratogenic Effects of Sampa-Sampalukan (*Phyllanthus niruri*) Leaves Extract Using *Danio rerio* Embryo Assay
- Revision of Families Veneridae and Macrtridae (Mollusca: Bivalvia) From the Suez Gulf, Egypt
- Techniques for Managing Ticks and Tick-Borne Diseases Under Changing Climate: A review

Current Issue: Volume 16, Issue 1, June 2024

The Nile Delta and Valley as An Ecological Barrier for Desert Mammals: With Special Reference To The Cairo Spiny Mouse, *Acomys cahirinus*

Pages 1-17

Mahmoud I. Younes

View Article PDF 1.48 M View on SCINiTO

Citrus limon as A Natural Molluscicide against *Eobania vermiculata* and *Monacha cartusiana* Snails

Pages 19-30

Hend Sh. Ghareeb

View Article PDF 572.96 K View on SCINiTO

Effectiveness of L-carnitine Nanoparticles against Nephrotoxicity Induced by 5-Fluorouracil in Ehrlich ascites Carcinoma Bearing Mice

Pages 31-46

Heba Elsayed; Asmaa Magdy Zaazaa; Fatma Fouda*

View Article PDF 705.58 K View on SCINiTO

Ameliorative Effect of Cinnamon against Hypercholesterolemia Induced by High-Fat Diet in The Adult Male Albino Rat's Adrenal Gland: Histological, Ultrastructural, and Immunohistochemical Studies

Pages 47-64

Eman H. Kandil; Samah M. Arisha; Mona E. Saif

View Article PDF 2.2 M View on SCINiTO

Estimating Seasonal Abundance of Piercing-Sucking Insects and Their Natural Enemies on Sweet Basil Plants

Pages 65-75

Heba A. Ismail; A. A.A. Saleh; Mageda M. Abdel Hafez; Rehab M. El- Gendy

View Article PDF 954.54 K View on SCINiTO

Alleviative Role of Hemin on Reproductive Functions of Adult Male Rats

Publication Information

Publisher
Egyptian Society of Biological Sciences

Editor-in-Chief
Reda Bakr

Co-Editor-in-Chief
Abu-Bakr Reda

Executive Assistant
Abd Elwahab Ibrahim

Advisory Board
Fikri El-Dawey
Hisham El-Henawy
Abo Bakr Abdel shakor
Sara Abd-Elhakeem
Khalid Hamadah
Dr. Priyanka Ray

Editorial Board
Prof. Dr.Hynek Burda
Prof.Dr. Mohamed Dakki
Prof.Dr. João Pedro
Prof.Dr. Mayuri R. Wijesinghe

Frequency Semiannual

Print ISSN 2090-0759

Online ISSN 2090-0821

Search

Advanced Search

Indexing and Abstracting



Belepes az adatbazisba

Tulso City county library

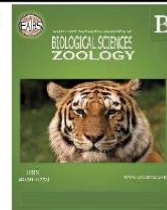


Egypt. Acad. J. Biolog. Sci., 14(2): 349-357 (2022)

Egyptian Academic Journal of Biological Sciences

B. Zoology

ISSN: 2090 – 0759

<http://ejbsz.journals.ekb.eg/>

In vitro Antibacterial and Cytotoxic Activity of The Leaf Extract of *Anisomeles malabarica* against HepG2 Cancer Cell Lines

Jeba Preethi Jansi P. C.¹ and **Jeni Chandar Padua^{2*}**

¹Research Scholar, ²Assistant Professor

1,2- Department of Zoology, Holy Cross College (Autonomous), Nagercoil. Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India

E-mail*: paduajc19@gmail.com

ARTICLE INFO

Article History

Received:25/8/2022

Accepted:2/11/2022

Available:8/11/2022

Keywords:

A. malabarica,
antibacterial,
anticancer,
phytochemicals,
apoptosis.

ABSTRACT

Plant-based therapies have made an impact on human health. In the present study, aqueous *A. malabarica* leaf extract was subjected to determine the qualitative phytochemical screening, antibacterial activity against *Staphylococcus aureus*, *Bacillus subtilis*, *Pseudomonas aeruginosa* and *Klebsiella pneumoniae*, cytotoxic activity, and Acridine Orange/Ethidium Bromide dual staining assay for apoptotic effect against the HepG2 cell lines. The aqueous extract contained secondary metabolites such as quinones, carbohydrates, flavonoids, phenols, terpenoids, and amino acids, which were revealed in preliminary phytochemical screening. Among the bacterial species tested, *P. aeruginosa* (23.1mm) had the highest zone of inhibition, whereas *K. pneumoniae* (13.2mm) had the lowest, indicating that the leaf extract had significant antibacterial activity. After 24 hours of observation, the highest concentration of aqueous leaf extract suppressed 65.52% of cancer cell proliferation. The aqueous extract that had a concentration-dependent apoptotic impact against HepG2 cells was ascertained using the Acridine Orange/Ethidium Bromide assay. However, more research is needed before it can be used as a therapeutic tool. The findings of this study will be useful in the development of new antibacterial and anticancer therapeutic medicines derived from *A. malabarica* in the future.

INTRODUCTION

Plants are widely employed as therapeutic agents nowadays due to their accessibility, adaptability, affordability, therapeutic efficacy, and lack of adverse effects (Joseph *et al.*, 2010). The presence of phytochemicals in plant extracts plays an important role in therapeutics. Because of the occurrence of numerous bioactive secondary metabolites such as alkaloids, terpenoids, glycosides, steroids, flavonoids, and phenolic chemicals, modern pharmaceuticals rely on plant-based medication (Ouerghemmi *et al.*, 2017). Plant extracts contain a wide range of biochemical actions, including anti-allergic, anti-inflammatory, antioxidant, anti-microbial, anti-fungal, antiviral, and anti-cancer properties (Pisoschi and Pop; Friedman, 2007).

Medicinal plants are used by about 80% of the world's population in developing countries to heal a variety of diseases (Rai and Lalramnghinglova, 2010). Bacterial infections are regarded as a major public health concern since germs have been genetically

Citation: Egypt. Acad. J. Biolog. Sci. (B. Zoology) Vol. 14(2) pp: 349-357(2022)

DOI: 10.21608/EAJBSZ.2022.271230



NEW The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Refine Your Search Results

"Indian Journal of Natural Sciences" Search

Sort By: Title (A-Z)

Search Results

Found 1 results (Page 1) Share These Results

Exact Match Found

INDIAN JOURNAL OF NATURAL SCIENCES Publisher: TAMIL NADU SCIENTIFIC RESEARCH ORGANISATION, NO 46-141, MEENAKSHIPURAM RD, NEAR POST OFFICE, PUDUKKOTTAI DIST, TAMIL NADU, INDIA, ARIMALAM, 622 201 ISSN / eISSN: 0976-0997 Additional Web of Science Indexes: Zoological Record Share This Journal View profile page *Requires free login.

1 - 1 of 1 Items per page: 10





TamilNadu Scientific Research Organisation

SCIENCE FOR RURAL PROSPERITY

- Home
- About Us
- Aims & Objectives
- Legal Status
- Achievements
- Membership
- Events
- Students Project
- MoUs
- Community Radio Station
- Plant Science Research Division (PSRD)
- Holistic Health Sciences & Research
- Organization Structure
- Infrastructure
- Current Activities
- Annual Report
- Research Journal
- Projects
- Publications
- Donate
- Documents / Reports
- Gallery
- News Clippings
- FAQs
- Contact us



[Annual Reports](#) 
[Research Journal](#) 
[Send Your Articles](#) 

Research Journal



Connecting People with Nature

INDIAN JOURNAL OF NATURAL SCIENCES

ISSN: 0976-0997 (Print, Bimonthly) Multidisciplinary Sciences

Regd.Off : C/o TNSRO, NO 46-141, Meenakshipuram Rd, Arimalam 622 201, Pudukkottai, Tamil Nadu, India



INTERNATIONAL
Scientific Indexing

ISI IMPACT FACTOR : 2.452 - 2022-2023



[Click Here to See Policy](#)

Tamil Nadu Scientific Research Organization is working for the promotion of society by transferring science & technology since 1997. We are very keen in appreciating and recognizing the contribution of every one of you. We are publishing Indian Journal of Natural Sciences - IJONS from August 2010. The Journal is peer reviewed International Journal for publication of Original Research papers /Reviews/ Short communications/Book reviews/Reports on conferences/Seminar, Important events, News of interest, Special articles, General articles etc.

Call for Papers: Investigations related to science in all branches

Subjects to be Covered

Physics, Chemistry, Botany, Zoology, Agricultural Sciences, Veterinary Sciences, Geosciences, Aero science, Atmospheric science, Plant science, Animal health, Environmental science, Economic Science, Social Science, Mathematics, Engineering and Technology, Space science and Astronomy, Information and communication, Biotechnology, Biomedicine, Medical Science, Linguistics Science, Earth Science, Statistical Science, Computer Science, Microbiology, Life Science, Environmental Engineering, Computational Biology, Indigenous and Alternative Medicines, Anthropology, Linguistic and Humanities, Earth Sciences and other Natural Sciences,





Embryotoxicity and Teratogenicity of *Taraxacum officinale* Leaf Extract on the Developing Embryos of the Zebrafish, *Danio rerio*

P.C. Jeba Preethi Jansi^{1*} and Jeni Chandar Padua²

¹Department of Zoology, Holy Cross College (Autonomous), Nagercoil, Kanyakumari, Tamil Nadu, India. Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

²Assistant Professor, Department of Zoology, Holy Cross College (Autonomous), Nagercoil, Kanyakumari, Tamil Nadu, India.

Received: 16 Mar 2022

Revised: 17 Apr 2022

Accepted: 18 May 2022

*Address for Correspondence

P.C. Jeba Preethi Jansi

Department of Zoology,
Holy Cross College (Autonomous),
Nagercoil, Kanyakumari, Tamil Nadu, India.
Affiliated to Manonmaniam Sundaranar University,
Abishekapatti, Tirunelveli, Tamil Nadu, India.
Email: pc.jebapreethi@gmail.com



This is an Open Access Journal / article distributed under the terms of the Creative Commons Attribution License (CC BY-NC-ND 3.0) which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. All rights reserved.

ABSTRACT

The present study aimed to detect the existence of Phytochemicals and to assess the toxic and teratogenic activities of aqueous leaf extract of *Taraxacum officinale*. Qualitative analysis of *T. officinale* leaf extract revealed the presence of several medicinally important phytochemicals. Based on microscopic observation, the survival and sublethal endpoint were assessed and calculated. Assays for toxicity of *T. officinale* leaf extracts on *Danio rerio* embryos confirmed that mortality, hatchability, heartbeat rate, teratogenicity, and embryogenicity were concentration-dependent. Lethal effects were pronounced in treatment groups whereas sub-lethal and teratogenic toxicity effects like yolk deformities, scoliosis, edema, reduced mobility, stunted tail, and tail malformation were expressed in 32% of the exposed models. Tail malformations were the most marked teratogenic effect of the plant extract. On the whole, *T. officinale* leaves contain bioactive components that exhibit toxicity and teratogenicity in the zebrafish embryos. This study will help in the early prediction of the potential health risk of using this plant as conventional medicine.

Keywords: *Taraxacum officinale*, Zebrafish, toxicity, teratogenicity, LC50.





Search for title, author, doi.

Search

Online ISSN: 2515-8260



[About Journal](#) [Aims and Scope](#) [Editorial Board](#) [Archive](#) [Publication Ethics](#) [Peer Review Process](#) [Contact Us](#)

AN OBSERVATIONAL STUDY ON MRI IMAGING FEATURES IN THE EVALUATION OF GLOBAL DEVELOPMENTAL DELAY IN PAEDIATRIC AGE GROUP

Volume 11 (2024) | Issue 4

DESCRIPTIVE STUDY TO ASSESS THE ROLE OF MRI IN CHARACTERIZATION OF CNS COMPLICATIONS AMONG DIAGNOSED CASES OF LEUKEMIA IN A TERTIARY CARE CENTRE IN WESTERN INDIA.

Volume 11 (2024) | Issue 4

ORIGINAL ARTICLE - CORELATION BETWEEN FINE NEEDLE ASPIRATION CYTOLOGY AND THYROID FUNCTION TEST IN CASES OF BENIGN THYROID LESION

Volume 11 (2024) | Issue 4

COMPARATIVE EVALUATION OF MICROLEAKAGE OF THREE COMMERCIALY AVAILABLE RESTORATIVE GLASS IONOMER CEMENTS: AN IN VITRO STUDY

Volume 11 (2024) | Issue 4

CLINICO-EPIDEMIOLOGICAL STUDY OF SUBJECTS WITH PARKINSON DISEASE IN A TERTIARY CARE HOSPITAL

Volume 11 (2024) | Issue 4

European Journal of Molecular & Clinical Medicine (EJMCM) is an open access publishing high quality manuscripts covering all aspects of molecular and clinical medicine. Submitted manuscripts are peer reviewed and selection is based on scientific excellence, distinctive contribution to knowledge and importance to the field.

Distinctions: The most widely read, cited, and known Molecular & Clinical Medicine journal and website is well browsed with all the articles published. More than 30,000 readers per month.

ISSN: 2515-8260 ; Frequency: Rapid at a time publication (12 issues/year)

Indexed and Abstracted: Scopus (Discontinued March 2021), Web of Science ESCI (Discontinued July 2022) CrossRef, JISC KB+, SHERPA RoMEO, Cengage Learning, Directory of Open Access Journals (DOAJ) and Embase (Discontinued July 2023), and Google Scholar.

To ensure permanency of all publications, this journal also utilises CLOCKSS, and LOCKSS archiving systems to create permanent archives for the purposes of preservation and restoration.

In addition, all journals are available for harvesting via OAI-PMH.

Rapid publication: Average time from submission to first decision is 30 days and from acceptance to In Press online publication is 45 days.

Open Access Journal: European Journal of Molecular & Clinical Medicine is an open access journal, which allows authors to fund their article to be open access from publication.

Article Processing Charges

There is no submission fee to European Journal of Molecular and Clinical Medicine

Authors and their institutions are required to pay Article Processing Charges (APCs) for the publication of their articles in the European Journal of Molecular and Clinical Medicine.

In addition to other publishing functions, authors are required to pay a one-time **Article Processing Charge (APC)** of U \$D 599. This charge covers the costs of managing peer reviews, administering the publication process, professionally producing articles in various formats (including PDF), and distributing published papers through different channels.

After submitting your paper, you will receive an invoice shortly. Payment can be made in Euros (EUR), US Dollars (USD), Indian National Rupees (INR), Japanese Yen (JYN), Swiss Francs (CHF), or British Pounds Sterling (GBP) via credit card, bank transfer, or PayPal.

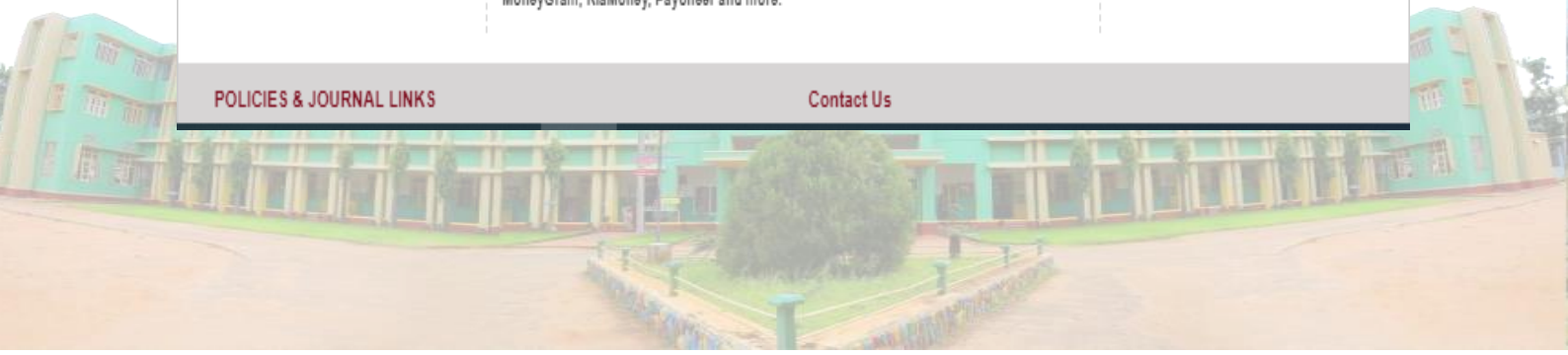
The most immediate and convenient payment method is by credit card, as we can begin editing your paper as soon as we receive payment confirmation. PayPal is also an instant payment option, although it incurs a 6% transfer fee. Payment is also accepted through Western Union, MoneyGram, RiaMoney, Payoneer and more.

Submit Your Article Here



[POLICIES & JOURNAL LINKS](#)

[Contact Us](#)



**PHYSICO-CHEMICAL CHARACTERIZATION OF A NATURALLY OCCURRING
Ca²⁺ DEPENDENT MIDGUT GLAND AGGLUTININ IN THE RUSTY MILLIPEDE
*TRIGONIULUS CORALLINUS***

ANITHA C^{1*}, BASIL ROSE M.R² and AROKYA GLORY P.T³

^{1,3}Assistant Professor, ²Associate Professor, Department of Zoology, Holy Cross College (Autonomous), Nagercoil, affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012
Email: anithajeyaraj85@gmail.com

ABSTRACT

Objective: To study the physico-chemical characteristics as well as the binding specificity of the agglutinin in the extract of the midgut gland from the rusty millipede, *Trigoniulus corallinus*.

Methods: The presence of agglutinin was investigated by hemagglutination assay using mammalian erythrocytes. After selecting the tissue (midgut gland) and the erythrocyte (rabbit) based on high HA titre, the correlation between biochemical parameters of midgut gland agglutinin such as protein, calcium and water content and HA titre was assessed. The influence of physico-chemical parameters such as pH, temperature, divalent cations (Ca²⁺, Mg²⁺, Mn²⁺) and chelators (di- and tetrasodium EDTA and trisodium citrate) on hemagglutinability was tested. The sugar specificity was assessed by hemagglutination inhibition assay with different sugars and glycoproteins.

Results: Physico-chemical analysis of the midgut gland agglutinin exhibited that the activity was optimum at pH 6.5, temperature 35°C and in the presence of calcium ions. The agglutinin activity was sensitive to di and tetra sodium EDTA and trisodium citrate. Hemagglutinability was inhibited by sugars: α-lactose, D-galactosamine, dextrose, GluNAc, D-galactose and glycoprotein: lactoferrin. A single agglutinin was found when agglutinability vanished after cross adsorption.

Conclusion: Existence of Ca²⁺ dependent agglutinin in the midgut gland of the millipede, *T. corallines* may help its defensive system.

Keywords: Agglutinin, Erythrocytes, Midgut gland, Hemagglutination, *Trigoniuluscorallinus*

INTRODUCTION

The invertebrate immune system is in charge of identifying and eliminating infections





Source details

Research Journal of Chemistry and Environment

Scopus coverage years: from 2007 to Present

Publisher: International Congress of Chemistry and Environment

ISSN: 0972-0626

Subject area: Earth and Planetary Sciences: General Earth and Planetary Sciences

Chemical Engineering: General Chemical Engineering Environmental Science: General Environmental Science

Chemistry: General Chemistry [View all](#) ▼

Source type: Journal

[View all documents](#) >

[Set document alert](#)

[Save to source list](#)

CiteScore 2022

0.4



SJR 2022

0.123



SNIP 2022

0.132



[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more](#) >

CiteScore 2022 ▼

$$0.4 = \frac{430 \text{ Citations 2019 - 2022}}{1,107 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.5 = \frac{555 \text{ Citations to date}}{1,077 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Earth and Planetary Sciences	#173/192	10th
General Earth and Planetary Sciences		
Chemical Engineering	#249/272	8th
General Chemical Engineering		

[View CiteScore methodology](#) > [CiteScore FAQ](#) > [Add CiteScore to your site](#)





Research Journal of Chemistry and Environment 

Indexed in SCOPUS, Chemical Abstracts, UGC, NAAS, Indian Citation Index etc.

Save Earth; Save Environment

Association Journals Our Policies Membership Online Payment Downloads Glimpses Contact

Research Journal of Chemistry and Environment

About WRA Journals

Our Journals

Instructions to Authors

Our Policies

Research Journal of Chemistry and Environment

Disaster Advances

Research Journal of Biotechnology

Advances in Management

International Journal of Agricultural Sciences and Veterinary Medicine

International Research Journal for Quality in Education

NanoMatChemBioDev

Yoga and Spiritualism Journal

Global Research in Medical Sciences

Research Journal of Bioinformatics

UGC Approved Journal
(Important for Indian Authors):

Research Journal of Chemistry and Environment



Publisher:
Dr. Jyoti Garg
Address:
Nector AG/No. Vijay Nagar,
A.B. Road, Indore, 450010,
INDIA

Invitation Current Issue Editorial Board Archives Paper Submission Paper Received

[Special Issue I January 2018](#) [Special Issue II August 2018](#) [Special Issue I May 2019](#)

General Information
Name: Research Journal of Chemistry and Environment
(Regularly published double blind peer reviewed online journal; Publication is free of cost in our journals)
Periodicity: **Monthly**
E-ISSN: **2278-4527** Print ISSN: **0972-0626**
Indexed in: **SCOPUS, Chemical Abstracts, UGC, NAAS, Indian Citation Index etc.**
Published from Year: **1997**
Govt. of India Registration Number: **68381/98** Dated: **27-05-1998** (Office of Registrar of Newspapers)

Aim and Scope
We invite you to contribute Research Papers / Short Communications / Review Papers:

- in any field of Chemical Sciences, Environmental Sciences, Agricultural Sciences, Soil Sciences, Bio Sciences, Pharmaceutical Sciences, Chemical Engineering, Civil Engineering and Environmental Engineering
- in any field related to Chemistry (Inorganic / Organic / Physical / Analytical / Instrumental / Biochemical / Pharmaceutical / Industrial Chemistry)
- in any field related to Chemicals and Industries including Plastics / Drugs / Pesticides / Polymers / Textiles / Dyes / Papers / Steel / Metals / Foods/ Paints / Rubber / Fertilizers / Leather / Cement / Sugar / Distilleries / Explosives / Oils / Petroleum / Petrochemical / Fragrances etc.
- in any field related to Environment, Energy, Power, Pollution (Air, Water and Noise Pollution) in Industries, Land, Cities, Rivers, Lakes etc.
- in inter-related fields of Chemistry, Chemical Industries and Pollution.

Invitation
We welcome your submission to our blind peer reviewed, international monthly journal "Research Journal of Chemistry and Environment" (E-ISSN No. 2278-4527; PRINT-ISSN No. 0972-0626) in field of Chemical Sciences, Environmental Sciences, Chemical Engineering, Civil Engineering, Pharmaceutical Sciences etc. Our journal has been published regularly from year 1997. The journal had SCI impact factor of 0.636 for year 2012 assessed from January 2012 to December 2012. Impact factor for year 2011 was 0.379; for year 2010 it was 0.292 and for year 2009 it was 0.323. Our journal is under re-evaluation of SCI in year 2017. [We do not charge any kind of fees (open access contribution charge, submission charge, author charge, per page charge, publication charge, processing charge, colour page charge etc.) for submission, acceptance and publication of manuscript for any of our journals].

Our journal is indexed and abstracted in:
SCOPUS
Chemical Abstracts

Our journal is included in UGC list so that Indian authors can publish their manuscripts with us for API scores and for promotion in the careers.

Submissions are sent to two experts for review and if both the experts approve, then we accept the paper for publication. We are continually improving the journal, with the goal of having one of the ten best international scientific journals in the world. Therefore, we are presently in search of a good team of editors, associate editors, co-editors, regional editors, subject editors and conference editors throughout the world. Our interdisciplinary journal publishes only the most cutting-edge research, with the goal of connecting scientists to develop various research projects in consultation with a variety of industry partners for the benefit of mankind.

You are welcome to upload the papers online at website www.worldresearchersassociations.com at menu "paper submission". Questions may be addressed via email to info@worldresearchersassociations.com



Green synthesis and characterization of chitosan doped nickel oxide nanocomposites using *Euphorbia hirta* and its antimicrobial activity

Deva Vijila L.¹, Leema Rose G.², Aavila Thanga Bhoosan S.³, Anitha C.⁴ and Jaya Rajan M.^{5*}

1. Women's Christian College, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, INDIA

2. Department of Chemistry, Holy Cross College (Autonomous), Nagercoil, INDIA

3. Department of Chemistry, Women's Christian College, Nagercoil, INDIA

4. Department of Zoology, Holy Cross College (Autonomous), Nagercoil, INDIA

5. Department of Chemistry, Annai Velankanni College, Tholayavattam, INDIA

*jayarajanm1983@gmail.com

Abstract

Chitin is extracted from shells of shrimps and characterized using UV-drs spectroscopy. It is converted to chitosan by the process of deacetylation and to nanochitosan by the process of sonication. Chitosan and nanochitosan are characterised using UV-Vis and FTIR spectroscopy. Nickel oxide nanoparticles (NiO) are green synthesised from Nickel chloride crystals using *Euphorbia hirta* medicinal plant leaf extract which contains alkanes, triterpenes, phytosterols, tannins, polyphenols and flavanoids as reducing agent. *E. hirta* serves as a good medicine for treating female disorders, respiratory ailments, worm infestations in children, dysentery, jaundice, pimples, gonorrhoea, digestive problems and tumors. The formation of nano NiO is characterised by UV-Vis, FTIR and XRD spectroscopic techniques.

The nano NiO particles are doped with nanochitosan and the antimicrobial activity of the resulting composite is analysed with *Staphylococcus aureus* and *Pseudomonas aeruginosa* bacterium using amikacin as the control. The results shows the enhancement in the antibacterial nature of the composite.

Keywords: Chitin, chitosan, *E. hirta*, nickel oxide, antimicrobial properties.

Introduction

Chitin is a waste product obtained from fish processing company. It has limited applications due to its poor solubility in water, however its properties can be modified by converting it into chitosan by deacetylation^{5,9,11}. Chitins present in the shells of crustaceans are abundant sources of chitosan. Chitosan is a natural polymer obtained by deacetylation of chitin. Both chitin and chitosan possess antimicrobial activity⁴. The biomedical applications of chitin and chitosan are restricted because of its insoluble nature in most solvents, low mechanical properties^{13,21}. The physicochemical and biological properties of chitosan can be improved by surface modification by doping with metal oxide nanoparticles. Enormous work is available in the literature about the preparation and doping of chitosan with nanometal oxide, synthesised using various methods¹⁹ which

contribute to environmental pollution. Only limited work is reported related to preparation of metal nanoparticles using green methods^{16,18}, utilising medicinal plant extracts as reducing agents^{3,15}. This study compares antibacterial activity of the resulting NiO doped and undoped chitosan with that of NiO nanoparticles alone².

This study reveals that the method of preparation of nickel oxide nanoparticles from Nickel (II) chloride hexahydrate using ethanolic extract of *E. hirta* medicinal plants is cheap, environmentally friendly and easily available. It also proves that doping of nickel oxide nanoparticles in chitosan improves its antibacterial activity and hence chitosan nickel oxide nanocomposite can be used as a good antibacterial reagent.

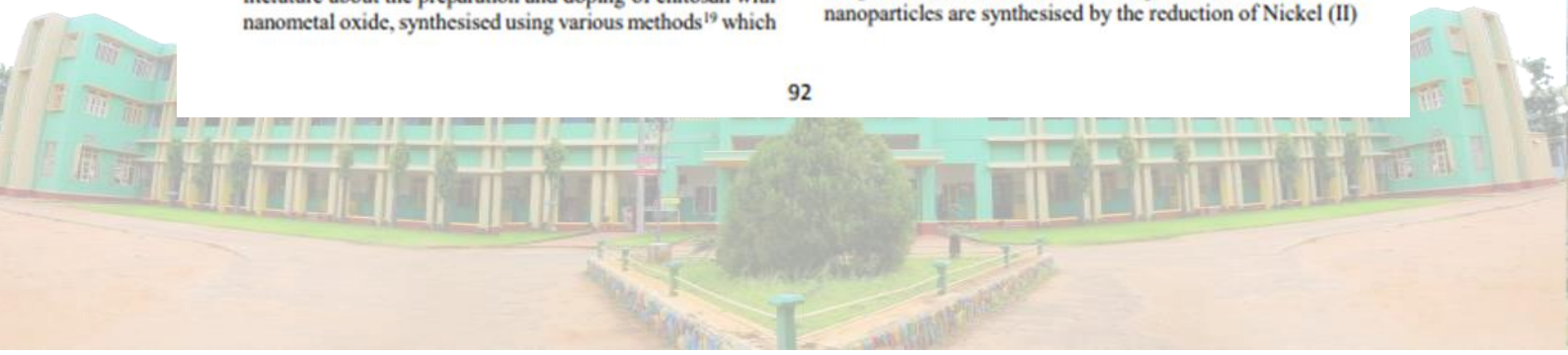
Material and Methods

Materials: The raw material chitin required for the present study is prepared from the shells of shrimps collected from fish market, Nagercoil, Kanyakumari District. Chitosan was synthesised from chitin by deacetylation. *Euphorbia hirta* leaves were collected from Kurusady, Nagercoil, Kanyakumari District, India. Shells of shrimps were selected as primary source for chitosan in the present study. The shells were collected from Ramanputhoor, (Nagercoil, Tamilnadu, India) fish market.

Methods: The shells were cleaned, washed with water and dried in sunlight for 15 days and UV-drs spectroscopy of chitin in absorbance & reflectance mode was recorded and demineralised by adding 1:1 HCl solution. The demineralised chitosan was heated with 1M HCl for 15 minutes near to 100°C and decolourised using H₂O₂. Deacetylation was done by treatment with 50% NaOH at 100 - 150°C for one hour and was washed well with distilled water and then dried at hot air oven at 60°C for 4 hours.

Euphorbia hirta leaves were shade dried for 15 days, powdered and the Ethanolic extract of the leaves was obtained using Soxhlet extractor. Nickel chloride hexahydrate was obtained from Merck, India. Only deionised water was used in the entire study.

Preparation of nickel oxide nanoparticles: Nickel oxide nanoparticles are synthesised by the reduction of Nickel (II)





Search for title, author, doi.

Search

Online ISSN: 2515-8260



[About Journal](#) [Aims and Scope](#) [Editorial Board](#) [Archive](#) [Publication Ethics](#) [Peer Review Process](#) [Contact Us](#)

AN OBSERVATIONAL STUDY ON MRI IMAGING FEATURES IN THE EVALUATION OF GLOBAL DEVELOPMENTAL DELAY IN PAEDIATRIC AGE GROUP

Volume 11 (2024) | Issue 4

DESCRIPTIVE STUDY TO ASSESS THE ROLE OF MRI IN CHARACTERIZATION OF CNS COMPLICATIONS AMONG DIAGNOSED CASES OF LEUKEMIA IN A TERTIARY CARE CENTRE IN WESTERN INDIA.

Volume 11 (2024) | Issue 4

ORIGINAL ARTICLE - CORELATION BETWEEN FINE NEEDLE ASPIRATION CYTOLOGY AND THYROID FUNCTION TEST IN CASES OF BENIGN THYROID LESION

Volume 11 (2024) | Issue 4

COMPARATIVE EVALUATION OF MICROLEAKAGE OF THREE COMMERCIALY AVAILABLE RESTORATIVE GLASS IONOMER CEMENTS: AN IN VITRO STUDY

Volume 11 (2024) | Issue 4

CLINICO-EPIDEMIOLOGICAL STUDY OF SUBJECTS WITH PARKINSON DISEASE IN A TERTIARY CARE HOSPITAL

Volume 11 (2024) | Issue 4

European Journal of Molecular & Clinical Medicine (EJMCM) is an open access publishing high quality manuscripts covering all aspects of molecular and clinical medicine. Submitted manuscripts are peer reviewed and selection is based on scientific excellence, distinctive contribution to knowledge and importance to the field.

Distinctions: The most widely read, cited, and known Molecular & Clinical Medicine journal and website is well browsed with all the articles published. More than 30,000 readers per month.

ISSN: 2515-8260 ; Frequency: Rapid at a time publication (12 issues/year)

Indexed and Abstracted: Scopus (Discontinued March 2021), Web of Science ESCI (Discontinued July 2022) CrossRef, JISC KB+, SHERPA RoMEO, Cengage Learning, Directory of Open Access Journals (DOAJ) and Embase (Discontinued July 2023), and Google Scholar.

To ensure permanency of all publications, this journal also utilises CLOCKSS, and LOCKSS archiving systems to create permanent archives for the purposes of preservation and restoration.

In addition, all journals are available for harvesting via OAI-PMH.

Rapid publication: Average time from submission to first decision is 30 days and from acceptance to In Press online publication is 45 days.

Open Access Journal: European Journal of Molecular & Clinical Medicine is an open access journal, which allows authors to fund their article to be open access from publication.

Article Processing Charges

There is no submission fee to European Journal of Molecular and Clinical Medicine

Authors and their institutions are required to pay Article Processing Charges (APCs) for the publication of their articles in the European Journal of Molecular and Clinical Medicine.

In addition to other publishing functions, authors are required to pay a one-time **Article Processing Charge (APC)** of USD 559. This charge covers the costs of managing peer reviews, administering the publication process, professionally producing articles in various formats (including PDF), and distributing published papers through different channels.

After submitting your paper, you will receive an invoice shortly. Payment can be made in Euros (EUR), US Dollars (USD), Indian National Rupees (INR), Japanese Yen (JYN), Swiss Francs (CHF), or British Pounds Sterling (GBP) via credit card, bank transfer, or PayPal.

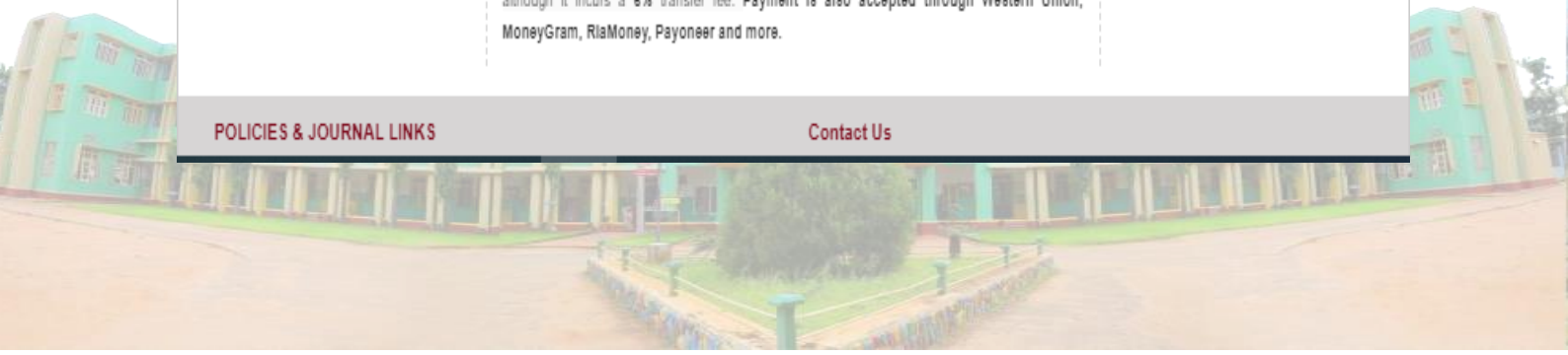
The most immediate and convenient payment method is by credit card, as we can begin editing your paper as soon as we receive payment confirmation. PayPal is also an instant payment option, although it incurs a 6% transfer fee. Payment is also accepted through Western Union, MoneyGram, RiaMoney, Payoneer and more.

Submit Your Article Here



[POLICIES & JOURNAL LINKS](#)

[Contact Us](#)



Antimicrobial And Anticancer Activity Of A Novel- Mannose Specific Lectin From The Flower, *Ipomoea Pes-Caprae*Nightingale Sheeba^a **Vinoliya Josephine Mary^{a*}** Arokiadhaswarya^b,
BaskaralingamVaseeharan^b **Mary MettildaBar^a,**^aDepartment of Zoology, Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India.^bDepartment of Animal Health and Management, Alagappa University, Science Block 6th Floor, Burma Colony, Karaikudi, 630004, Tamil Nadu, India.***Vinoliya Josephine Mary**

Assistant Professor,

Department of Zoology,

Holy Cross College (Autonomous), Nagercoil, Tamil Nadu, India.

Abstract

In the present study, a 35 kDa D-mannose specific lectin was purified from the flower extract of *Ipomoea pes-caprae* (IPL) by lactoferrin-Sepharose 4B in the econo column (Bio-Rad). Physico-chemical analysis revealed that lectin was stable the pH ranges from 6.5-9.5 and temperature ranges from 0°C-60°. The lectin was highly specific for rabbit erythrocytes. UV spectral analysis of lectin documented a characteristic peak at 230 nm and FTIR spectrum showed the IR absorption peaks correspond to amide I and II bands, carboxylic and O-H groups in the lectin. Antimicrobial activity of lectin was tested against four Gram positive bacteria, four Gram negative bacteria and four fungal pathogens. It was observed that the lectin was more effective with a maximum zone of inhibition of 22 mm and 19 mm against *B. subtilis* and *A. flavus* respectively. Moderate activities were observed against all the bacteria and fungus tested ranging from 12 mm to 18 mm. The IPL lectin was checked for its antiproliferative and cytotoxicity effect against three cancer cell lines and also with normal fibroblast cell line by MTT assay. The result shows MCF-7 was more sensitive to IPL with lowest IC₅₀ value of 161.01 µg/ml and exhibit low toxicity against normal cells with IC₅₀ value of 374.36 µg/ml. As a result, this research opens up new possibilities for lectin pharmacology.

Keywords: Lectin, affinity chromatography, mannose, antimicrobial, anticancer**1. Introduction**

Lectins are a heterogeneous group of sugar binding proteins [1] with the ability to agglutinate mammalian red blood cells. They are abundant in plant species but the specific activities and structure varies from plant to plant [2,3]. Most plant lectins show specific binding [4] towards mannose [5,6] and structural diversity with high mannose specificity, highlights the importance of lectin in higher plants [7]. Affinity chromatography is the best purification method for the purification of plant lectins [8,9].

The interaction between carbohydrates and lectins aid in many biological processes, including bacterial and fungal growth inhibition [10], anti-HIV [11], immunomodulatory [12],





Online ISSN: 2515-8260



[About Journal](#) [Aims and Scope](#) [Editorial Board](#) [Archive](#) [Publication Ethics](#) [Peer Review Process](#) [Contact Us](#)

AN OBSERVATIONAL STUDY ON MRI IMAGING FEATURES IN THE EVALUATION OF GLOBAL DEVELOPMENTAL DELAY IN PAEDIATRIC AGE GROUP

Volume 11 (2024) | Issue 4

DESCRIPTIVE STUDY TO ASSESS THE ROLE OF MRI IN CHARACTERIZATION OF CNS COMPLICATIONS AMONG DIAGNOSED CASES OF LEUKEMIA IN A TERTIARY CARE CENTRE IN WESTERN INDIA.

Volume 11 (2024) | Issue 4

ORIGINAL ARTICLE - CORELATION BETWEEN FINE NEEDLE ASPIRATION CYTOLOGY AND THYROID FUNCTION TEST IN CASES OF BENIGN THYROID LESION

Volume 11 (2024) | Issue 4

COMPARATIVE EVALUATION OF MICROLEAKAGE OF THREE COMMERCIALY AVAILABLE RESTORATIVE GLASS IONOMER CEMENTS: AN IN VITRO STUDY

Volume 11 (2024) | Issue 4

CLINICO-EPIDEMIOLOGICAL STUDY OF SUBJECTS WITH PARKINSON DISEASE IN A TERTIARY CARE HOSPITAL

Volume 11 (2024) | Issue 4

European Journal of Molecular & Clinical Medicine (EJMCM) is an open access publishing high quality manuscripts covering all aspects of molecular and clinical medicine. Submitted manuscripts are peer reviewed and selection is based on scientific excellence, distinctive contribution to knowledge and importance to the field.

Distinctions: The most widely read, cited, and known Molecular & Clinical Medicine journal and website is well browsed with all the articles published. More than 30,000 readers per month.

ISSN: 2515-8260 ; Frequency: Rapid at a time publication (12 issues/year)

Indexed and Abstracted: Scopus (Discontinued March 2021), Web of Science ESCI (Discontinued July 2022) CrossRef, JISC KB+, SHERPA RoMEO, Cengage Learning, Directory of Open Access Journals (DOAJ) and Embase (Discontinued July 2023), and Google Scholar.

To ensure permanency of all publications, this journal also utilises CLOCKSS, and LOCKSS archiving systems to create permanent archives for the purposes of preservation and restoration.

In addition, all journals are available for harvesting via OAI-PMH.

Rapid publication: Average time from submission to first decision is 30 days and from acceptance to In Press online publication is 45 days.

Open Access Journal: European Journal of Molecular & Clinical Medicine is an open access journal, which allows authors to fund their article to be open access from publication.

Article Processing Charges

There is no submission fee to European Journal of Molecular and Clinical Medicine

Authors and their institutions are required to pay Article Processing Charges (APCs) for the publication of their articles in the European Journal of Molecular and Clinical Medicine.

In addition to other publishing functions, authors are required to pay a one-time **Article Processing Charge (APC)** of USD 999. This charge covers the costs of managing peer reviews, administering the publication process, professionally producing articles in various formats (including PDF), and distributing published papers through different channels.

After submitting your paper, you will receive an invoice shortly. Payment can be made in Euros (EUR), US Dollars (USD), Indian National Rupees (INR), Japanese Yen (JYN), Swiss Francs (CHF), or British Pounds Sterling (GBP) via credit card, bank transfer, or PayPal.

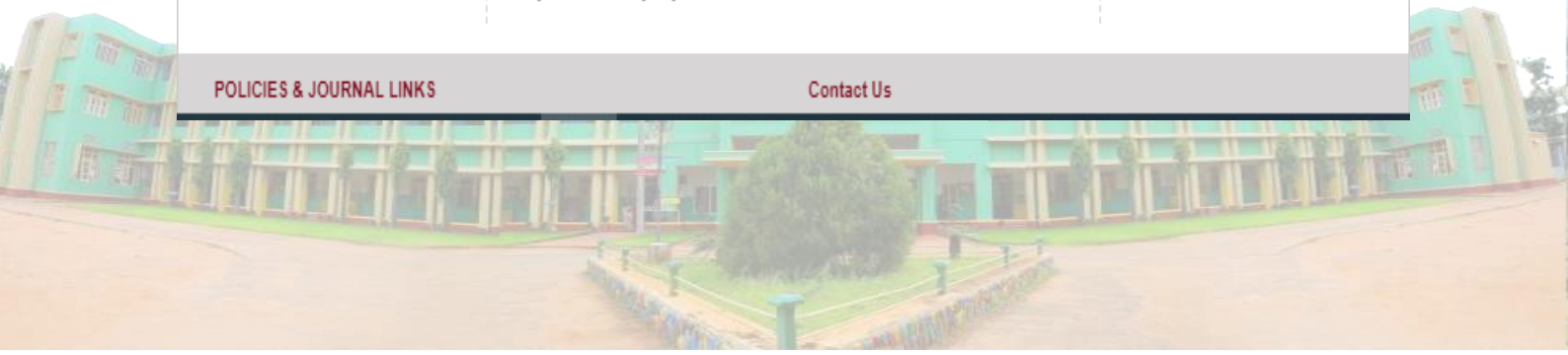
The most immediate and convenient payment method is by credit card, as we can begin editing your paper as soon as we receive payment confirmation. PayPal is also an instant payment option, although it incurs a 6% transfer fee. Payment is also accepted through Western Union, MoneyGram, RiaMoney, Payoneer and more.

Submit Your Article Here



[POLICIES & JOURNAL LINKS](#)

[Contact Us](#)



OIL DEGRADING EFFICACY OF MICROBES ISOLATED FROM OIL
CONTAMINATED WORKSHOP SOIL OF MANKADU, KANYAKUMARI DISTRICT,
TAMIL NADU, INDIA

Jenisha M. J¹, Jenifer J² and Dr. Brisca Renuga F*,

¹Research Scholar, Register No: 12529, ²Research Scholar, Register No: 20213042192012,

*Associate Professor, PG & Research Department of Zoology, Holy Cross College
(Autonomous) Nagercoil – 629 004, Affiliated to Manonmanium Sundaranar University
Abishekapatti, Tirunelveli - 627 012, Tamil Nadu, India. Ph No: 9894965375, 9488511830,

Abstract

The main petroleum hydrocarbons (PHs) found in motor oil, such as asphaltenes and aliphatic and aromatic resins, are thought to be significant environmental and health hazards. Used engine oil contaminated soil samples were collected from the subsurface soil layers at a depth of 5 to 30 cm from four different service stations and motor garages located at Mankadu in the Kanniyakumari District. Using tributyrin agar (TBA) and rhodamine agar media, the microbial colonies were separated using mineral salt agar medium and then tested for lipolytic (lipase/esterase-producing) activity. Using drop collapse assays, emulsifying activity, oil surface tension decrease, and surfactant adhesion experiments, the effectiveness of lipolytic activity was assessed. The time for complete lapse of oil by the biosurfactant was observed on 48 hours to a period of 60th days. Four *Proteus* and one *Pseudomonas* were among the five bacteria that were isolated from the soil. The screening tests confirm the presence of biosurfactant. *Pseudomonas* sps showed the most highly significant lipolytic activity, followed by *Proteus*. *Pseudomonas* and *Proteus* species are excellent common species detected in oil-contaminated soil, according to the current research.

Keywords: Engine oil, Petroleum hydrocarbons, Biosurfactant

Introduction

Polycyclic aromatic hydrocarbons (PAHs) with long-chain saturated and unsaturated hydrocarbons with carbon lengths of C16 to C36, cyclic alkanes, and additives including anticorrosive, anti-wearing, and anti-tearing chemicals make up the engine oil (Koma et al. 2003; Shahida et al. 2015). Engine oil contamination can have many different effects, but they all have the same negative effects. Hydrocarbon buildup in the environment has been





Source details

Ymer

Scopus coverage years: 1980, from 1984 to 1986, from 1988 to 2000, from 2002 to 2023

Publisher: University of Stockholm

ISSN: 0044-0477

Subject area: Social Sciences: Geography, Planning and Development
Environmental Science: Management, Monitoring, Policy and Law

Source type: Journal

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2022 ⓘ
0.2

SJR 2022 ⓘ
0.109

SNIP 2022 ⓘ
0.139

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▼

$$0.2 = \frac{9 \text{ Citations 2019 - 2022}}{45 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$0.4 = \frac{15 \text{ Citations to date}}{39 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
Geography, Planning and Development	#735/779	5th
Environmental Science		
Management, Monitoring, Policy and Law	#375/384	2nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)

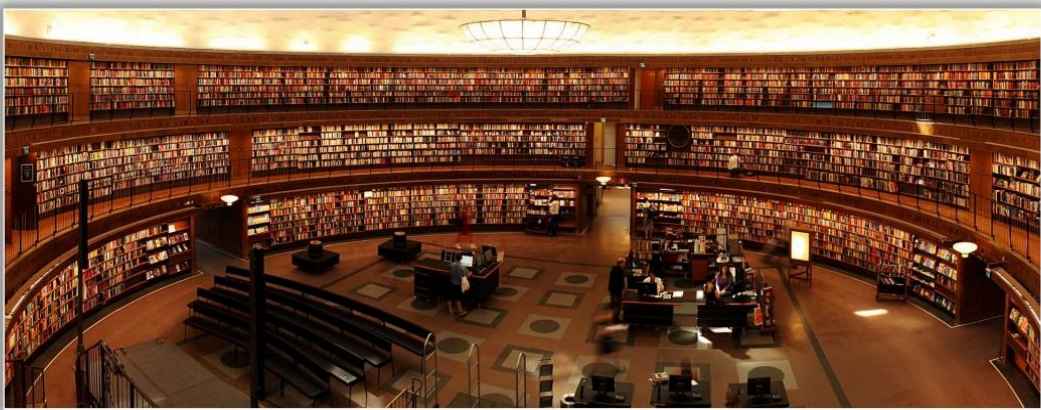


YMER



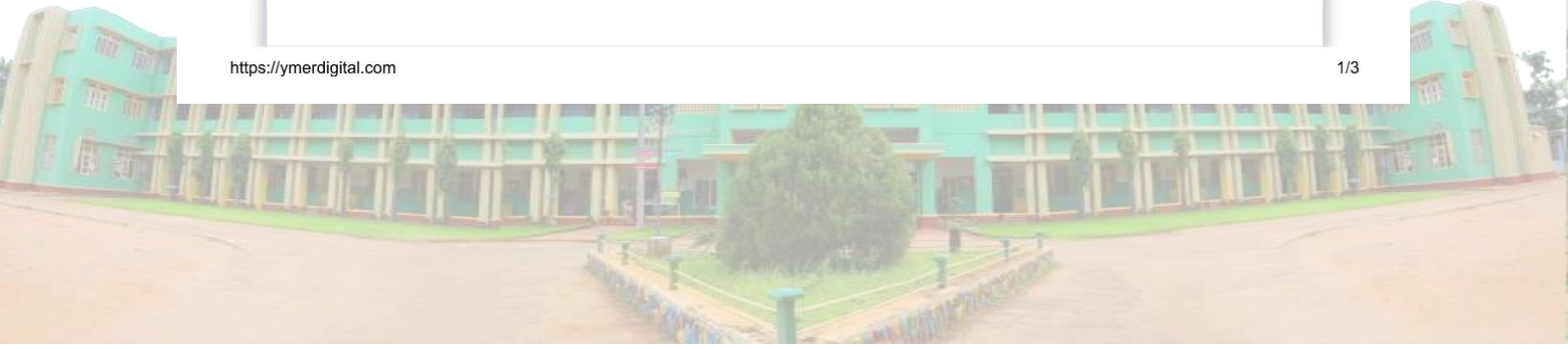
Welcome to YMER

YMER is an International Open Access Journal having [ISSN NO: 0044-0477](#), All The Articles Published Under This Journal Will Be Accessible To All Internet Users Throughout The World Without Any Barrier Of Access Under The Terms Of The Creative Commons Attribution License. Our Journal Covers Publication Of Novel Concepts, New Methods, New Regimens, New Technologies, Alternative Approaches And Promises To Provide Most Authentic And Complete Source Of Information On Current Development In All Educational Fields.



OUR UNIVERSITY

Accredited by the Distance Education Accrediting Commission (DEAC) and partnered with top universities worldwide, University People offers degree programs in Business Administration, Computer Science, Health Science, and Education.



Purification and Characterization of a Sialic Acid Specific Lectin Isolated from the Marine Crab *Grapsus albolineatus* (GaLec)

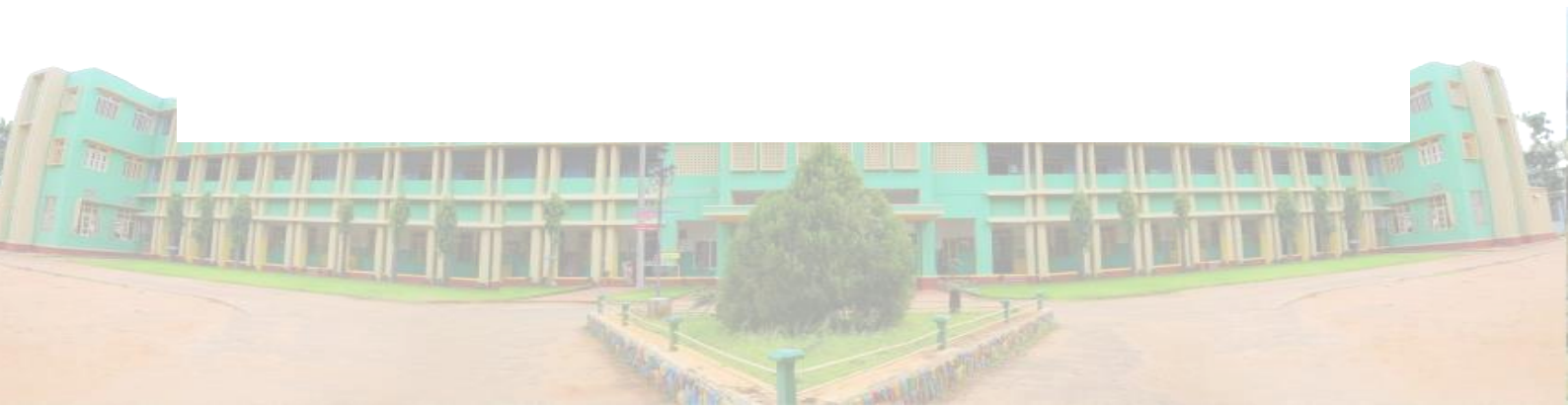
Rathika, RK¹, *Mary Mettilda Bai, S², Vinoliya Josephine Mary, J³, Citarasu, T⁴, Sebastiammal, S⁵ and Vargila, F⁶.

1. Research Scholar, (Reg. No. 18113042192011), Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India. rathiramesh1994@gmail.com
2. Assistant professor, Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, metti.silvester@gmail.com.
3. Assistant professor, Dept of Zoology, Holy Cross College (Autonomous), Nagercoil, vinoliya75@gmail.com.
4. Associate Professor, Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, Citarasu@msuniv.ac.in.
5. Assistant professor, Dept of Physics, Holy Cross College (Autonomous), Nagercoil, sebastiscc@gmail.com
6. Research Associate, Biomeitez Research & Development Pvt Ltd, K.K.Dist. vargif@gmail.com.

Abstract

Lectins one of the defensive protein molecules have become the focus of intense interest for biologists and in particular for the research and applications in medicine. In this study, a lectin GaLec was purified from the marine crab *Grapsus albolineatus* by affinity chromatography using Fetuin-Sepharose 4B column. GaLec showed specific affinity for rat erythrocytes as evident from the hemagglutination assay. Physico chemical analysis of the GaLec demonstrated high hemagglutination activity ranging from pH 7.5 to 9 and temperature 0 to 40°C. The GaLec was dependent on calcium, magnesium and manganese. It was reversibly sensitive to EDTA and trisodium citrate. Hemagglutination activity was inhibited by the sugar N-acetyl D-glucosamine and N-acetyl D-galactosamine and the glycoproteins fetuin and lactoferrin. Reduction in HAI with disialylated fetuin confirms the sialic acid specificity of the lectin. The reduction of HAI following de-O-acetylation confirms the specificity of the lectin for O-acetyl sialic acid.

Keywords: *Grapsus albolineatus*, Fetuin, Sepharose, EDTA, Hemagglutination, Sialic acid



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home About Journal Journal Committee Guideline Regulations Old Series New Series Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

ECO-PSYCHOLOGY AND THE ROLE OF ANIMALS IN YANN MARTEL'S *LIFE OF PI*

F. Anu Mol. II MA English Literature, Holy Cross College (Autonomous) Nagercoil.

Ms. A. Anishya Dani, Assistant Professor of English, Holy Cross College (Autonomous) Nagercoil.

Abstract:

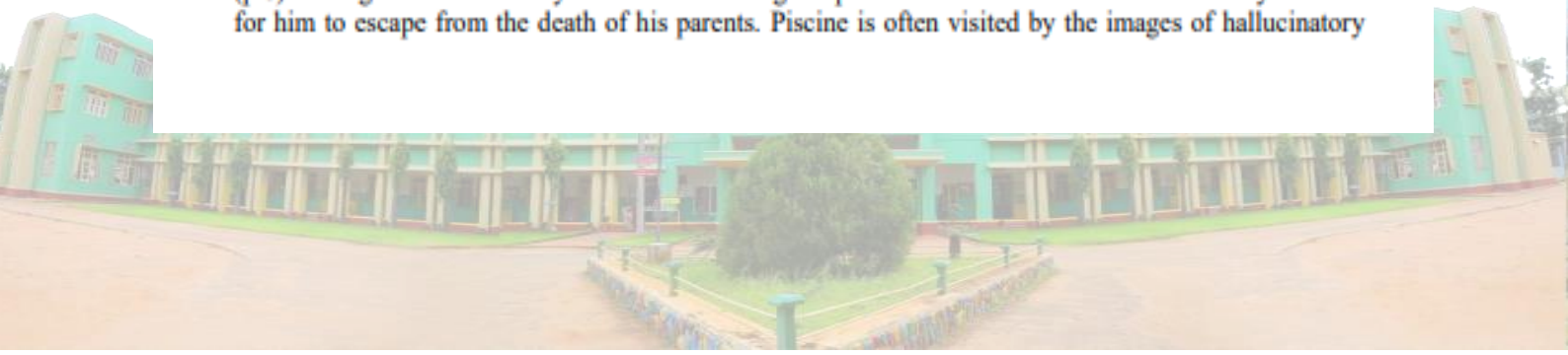
The paper aims to study the Eco-psychology and the role of animals in Yann Martel's *Life of Pi*. The main objective of the present research study is to investigate the psychological trauma which brings dreadful effects on affected victims and the manifestations that vary from one individual to another. Ecopsychology studies the relationship between human beings and the natural world through ecological and psychological principles. Some of the most common characteristics identified in trauma victims include heavy anxiety, nightmares, hallucinations and flashbacks but there is no specific reference of time when a victim starts to reveal these characteristics. Besides, the time and method taken for recovery of psychological trauma also differs depending on the seriousness of the initial trauma and the help available to trauma victims for recovery. This present article also plans to study the different manifestations of trauma in Yann Martel's *Life of Pi* and also to identify how trauma was wiped out through the human- animal relationship.

Key words: Eco-psychology, nature, animals, victims, trauma

Yann Martel is a Canadian author best known for his novel *Life of Pi*. His first book, *The Facts Behind the Helsinki Roccamatios*, was published in 1993 and is a collection of short stories, dealing with the themes as illness, storytelling and the history of the twentieth century. In 2002 Yann Martel came to public attention when he won the Man Booker Prize for Fiction for his second novel, *Life of Pi* (2002), an epic survival story with an overarching religious theme and a film of the book, adapted by Ang Lee, was released in 2012. In 2004, a collection of short stories was published entitled *We Ate the Children Last*. His latest books are the novel *Beatrice and Virgil* (2010), a New York Time Bestseller and a Financial Times Best Book, *101 Letters to a Prime Minister* (2012), a collection of letters to the prime minister of Canada and his latest novel, *The High Mountains of Portugal* (2016).

The novel *Life of Pi* by Yann Martel is a Canadian philosophical novel which explores the themes of trauma, psychology, hope and also survival. The novel narrates the shocking encounters of a sixteen-year ancient boy, Piscine Patel who was portrayed as the survivor within the center of the pacific sea as a result of a shattering dispatch wreck occurrence due to a disastrous storm experienced whereas relocating to Canada. This specific adversity claimed the lives of all others on board counting the complete family. Subsequently, Piscine was left stranded for 227 days on a raft with limited amount of food and medical supply. The story thickens when Piscine was fast to realize that he was not the only living being on the vessel but was astounded that he was accompanied by a group of animals that his father brought along from their zoo in Pondicherry that were implied to be migrated to Canada. Piscine was recognizable with most of the creatures as he has had individual encounters with them, in any case being in near vicinity with a number of wild creatures unquestionably made it greatly frightening as he was still in incredible torment combating his traumatic difficulties upon losing his family.

Losing all his family members and being isolated from any human contact for a long period has put a great impact on his mental health and the effects were clearly manifested throughout the story. Piscine thought that there was no hope in survival as there was no one to help him. Piscine's anxiety grew as days goes on and the slight connection to the fateful night brought great discomfort to him. The sudden rush of the water around him confused as the, "noisy, wasteful superabundant gush was such a shock" (p.8). Strong waves and heavy rains caused during the period in the lifeboat made it extremely difficult for him to escape from the death of his parents. Piscine is often visited by the images of hallucinatory



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home About Journal Journal Committee Guideline Regulations Old Series New Series Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

PSYCHOLOGICAL ATTACHMENT WITH NATURE IN HAN KANG'S NOVELLA *THE VEGETARIAN*

Fiona Joshi, A, II MA English Literature, Holy Cross College (Autonomous), Nagercoil.

Ms. A. Anishya Dani, Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil.

Abstract

The analysis of Han Kang's *The Vegetarian* examines the story of the protagonist Yeong Hye who voluntarily converts herself into a vegetarian, something which is unexpected in the Korean society. This novella was published in 2007 and translated into English in 2015 by Deborah Smith. It won the prestigious Man Booker Prize in 2016. This paper progresses in investigating the various dimensions of human relation with nature. It apprehends the emotive and internal dispute of the characters. Dreams play a vital role in elucidating the eco psychology of Yeong Hye's mind and her actions. In one important sense, this novel shows how the protagonist gradually slithers into an emotional confinement. Her internal pressure of becoming one with nature makes her avoid the societal norms. The novella also reveals that Yeong Hye enjoys herself more when her skin was tinted as flowers and leaves. Her dreams were based on her terrible childhood experience of consuming a dog's flesh. It paves as a reason for her to establish a strong hatred for meat items which is equal to that of isolating herself from violence. By deliberately denying meat, she not only annihilates violence but also asserts her own rights on her body. As a result of rejecting violence Yeong Hye experiences a greater sense of peace and connection within herself and with nature. This study shows that a confidential connection with the environment is integrated into the human psyche.

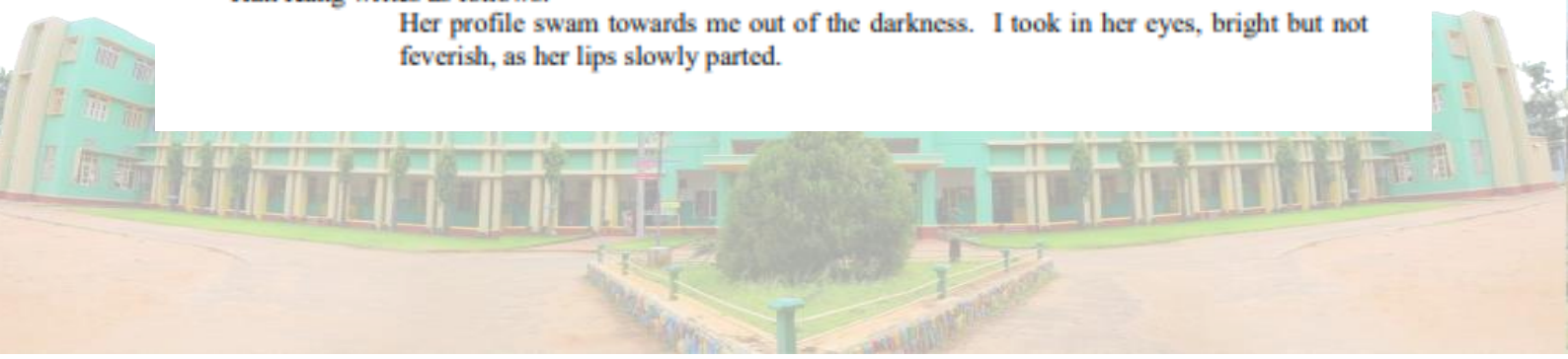
Keywords: vegetarian, dreams, nature, violence, human psyche

The Vegetarian, a South-Korean three part novel was written by the South Korean writer Han Kang in 2007 and was translated into English by Deborah Smith. Han Kang is an impressive writer who won the celebrated *Man Booker prize* for fiction in 2016 novel *The Vegetarian*. In 1993 she made her literary debut as a poet and first established herself as a novelist in 1994. Her noteworthy works include *The Black Deer* (1998), *Your cold Hand* (2002), *Breath fighting* (2010), *Greek lessons* (2011), *Human acts* (2014) and *The White Book* (2016). Han Kang is also a musician who has composed and sang a number of songs.

Staying close to nature or enjoying nature aids in one's substantial welfare. It lessens anger, fear, stress, blood pressure, heart rate, muscle tension, increases pleasant feelings and makes mankind emotionally renewed. Human survival is precisely bound to our correspondence with the natural environment. A rudimentary relationship between humans and nature is unavoidable for a sustainable life on earth. Nature influences and proves beneficial to human beings in the form of inevitable resources like water, food, shelter and energy.

The novel *The Vegetarian* is centered on the protagonist, Yeong-Hye who resolves to become a vegetarian being haunted by threatening dreams about killing animals for food. As a result of turning into a vegetarian, the protagonist faces several consequences exclusively her isolation from the Korean society. This is because in a closely knit Korean society, vegetarianism is factored as a bad practice which muddles the concinnity within the group particularly on a family occasion. In the later part of the novel the author displays a description of childhood trauma which acts as the driving force behind the psychological changes in Yeong Hye. This paper unveils how Yeong Hye's veganism helped her to remain one with nature. The more she isolated herself from the society, the more she was united with nature. Thus her psychological attachment with nature was a result of her terrible dreams and her hatred for meat. In discussing the behavior of Yeong-Hye after her dreams, Han Kang writes as follows:

Her profile swam towards me out of the darkness. I took in her eyes, bright but not feverish, as her lips slowly parted.



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home | **About Journal** | Journal Committee | Guideline | Regulations | Old Series | New Series | Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

ECO THERAPY TO THE EMOTIONALLY BRUISED: A STUDY OF ERNEST HEMINGWAY'S "BIG TWO-HEARTED RIVER"

S. Resma Joy, II M.A. English Literature, Holy Cross College (Autonomous), Nagercoil.
Mrs. A.R. Jemi, M.A., M.Phil., NET, Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil.

Abstract:

"Come forth into the light of things, let nature be your teacher" says William Wordsworth, which suits perfectly for any distressed person. Nature can be a parent, a friend, a companion, a partner, a lover or a teacher. She helps as a parent by giving her precious things. She serves as a friend to the friendless. She acts a companion to the needy. She serves as a silent partner in crimes. She serves as a lover by spreading her love to everyone. She is also one of the best teachers, who teaches by using both violent and non-violent ways. Hence, Nature is considered as the soul of the cosmos, without the soul there is no life on Earth.

Nature brightens the life of human beings during their earthly life in the cosmos. Earnest Hemingway is one of the celebrated writers of America. His works are noted for Naturalism. His short story, "Big Two-Hearted River" from the collection *The Nick Adams Stories* brings out nature's purpose and its role played in the life of the protagonist, Nick Adams. This paper aims to bring out benefits of eco therapy in leading a healthy and happy life, through the character Nick Adams.

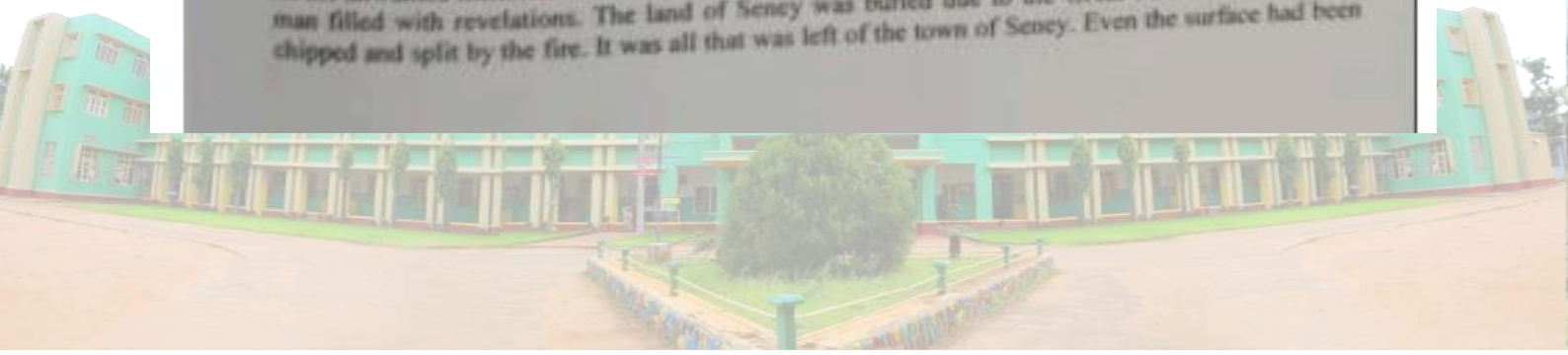
Keywords: Eco therapy, Nature, Happy life.

Introduction:

"Big Two-Hearted River" is a short story written by the American naturalist, Ernest Hemingway. This short story is written in two parts. It was published at first in the American volume of Hemingway's short stories, "In Our Time". The story revolves round the protagonist, Nick Adams, who is considered to be the autobiographical character of Hemingway. This short story traverses the disastrous side of the war, which is retaliated by the revival and regenerating power of nature and is considered to be one of the earliest masterpieces of Hemingway, which uses his Iceberg Theory of writing. The story, gives the essence and taste of minutiae technique which gives a clearcut picture of the landscape and fishing in detail. It also exposes the imagery of the setting, where one could quench his thirst in nature. "Big Two-Hearted River" explores the unique writing style of Hemingway, where he takes his out lookers directly to nature.

"Nature itself is the best physician" says Hippocrates, which can be considered as the key concept to Eco Therapy. The term "Eco Therapy" was first coined by Cinebell. He described it as a form of ecological spirituality, where a belligerent connection with nature welcomes both nature's propensity to encourage oneself through their exposure with natural places and one's ability to reciprocate this rectifying relation through their ability to bring up nature. Thus, Eco Therapy in simple terms refers to both the healing and progression that is looked after by healthy intercommunication with the earth. There are various types of Eco therapy which includes: gardening, wilderness or adventure therapy, forest bathing, outdoor meditation and yoga, animal - assistant therapy, park prescription, etc...

In the first part of the short story, Nick Adams suffers a traumatic aftermath from the World War I. His soul is destroyed and he badly seeks for some kind of miracle to happen within him. He wants to forget all the unpleasant memories, which he had experienced in the battlefield. He finally chooses nature as his only saviour. He decides to travel to his native land of Seney, Michigan to shed all his unwanted memories. He believes that after his trip to his native land he would become a new man filled with revelations. The land of Seney was buried due to the Great Fire. "The stone was chipped and split by the fire. It was all that was left of the town of Seney. Even the surface had been



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home | **About Journal** | Journal Committee | Guideline | Regulations | Old Series | New Series | Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

EMOTIONAL CONNECTION WITH NATURE IN KATE CHOPIN'S BEYOND THE BAYOU

J. Abisha, II MA English Literature, Holy Cross College (Autonomous), Nagercoil,
Mrs. A.R. Jemi, M.A., MPhil., NET, Assistant Professor of English, Holy Cross College
 (Autonomous), Nagercoil.

Abstract

Kate Chopin was an American author of short stories and novels, mainly of a Louisiana Creole background. She is also considered as a forerunner of feminist authors of the twentieth century. Chopin also got a particular insight into the psyche of the South and its women. She is a woman, who exposed the exploitation of both women and nature and this story reconnects women to nature. Chopin's stories and novels are naturalistic and unite the politics of gender with that of ecology. She also brings the relationship between women, nature and the role of ecology in her works. The great act of women's courage is also a part of her story and the main character is brave enough to save a life. This paper highlights the women's interconnections with nature and psyche. The main character La Folle is isolated both psychologically and physically, but she reveals a courageous trait of self-sacrificing and care for others by rescuing a child's life.

Keywords: Nature, Isolation, Courage

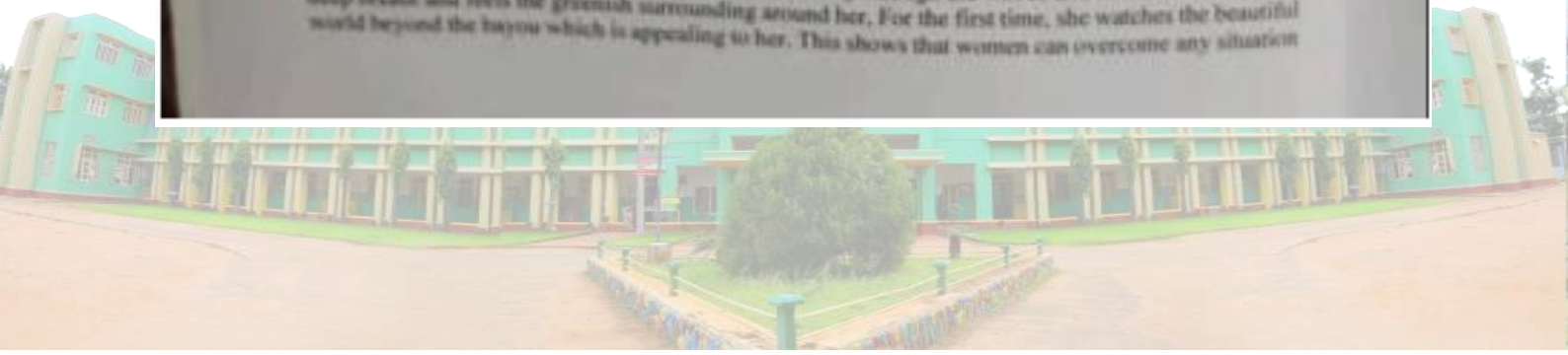
In this planet nature is the most precious and noblest gift of God. Chopin's short story expresses the beautiful nature of bayou, woods and fields in Bellissime. Chopin brings the beauty of Louisiana, which is a southeastern U.S. state on the Gulf of Mexico which is famous for bayou. Chopin was inspired by the French culture of Louisiana and the complexities of New Orleans. In the short story, she imported the peaceful bayou, which makes La Folle traumatized and suffers from her fear of the unknown.

In the beginning of the story, Chopin describes La Folle's cabin which stood near the bayou. Between the stream and the hut lay a big deserted field, and she never visited the woods which is beyond her home. Even the cattle pasturing and the little children crossing in the bayou supplied with enough water, but La Folle had an imaginary line not to cross the bayou. This is a form of her mania and her real name is Jacqueline, but it is changed to La Folle because of her childhood fear that P'tit Maître, the owner of Bellissime came bloodied in crimson and black with powder to her mother's cabin, this is the reason for her deep ingrained fear. Later, she overcomes her childhood trauma while Cheri accidentally shoots himself and cries that he is going to die. In order to save Cheri, La Folle shouts for help but no one heard her cries. So, she takes him with his head upon her shoulder and he weeps and moans in pain and fright. She crossed the bayou with her precious burden, terrible fear, the fear of the world beyond the bayou, the morbid and insane dread she has been under since childhood. While crossing her dreadful line, she cares much for Cheri.

La Folle gave a last despairing look around her. Extreme terror was upon her.

Extreme terror was upon her. She clasped the child close against her breast, where he could feel her heart beat like a muffled hammer. Then shutting her eyes, she ran suddenly down the shallow bank of the bayou, and never stopped till she had climbed the opposite shore. (3)

La Folle saves Cheri with great effort and burden in her heart, then she lays him in his father's arms and faints there. People in the plantation think that she may die but she wakes up as an individual woman with great self-discovery and confidence to enter into the new world. After waking up, she enquires about the health condition of Cheri, waits in his veranda and sees the sunshine which is comparable to her bright future. She then makes her way through the woods and admires nature, takes deep breath and feels the greenish surrounding around her. For the first time, she watches the beautiful world beyond the bayou which is appealing to her. This shows that women can overcome any situation



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home | **About Journal** | Journal Committee | Guideline | Regulations | Old Series | New Series | Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

COEXISTING WITH NATURE IN AMITAV GHOSH'S *THE HUNGRY TIDE*

C. Anurita, II M.A. English Literature, Holy cross college (Autonomous), Nagercoil.

Ms. A.R. Jemi, Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil.

Abstract

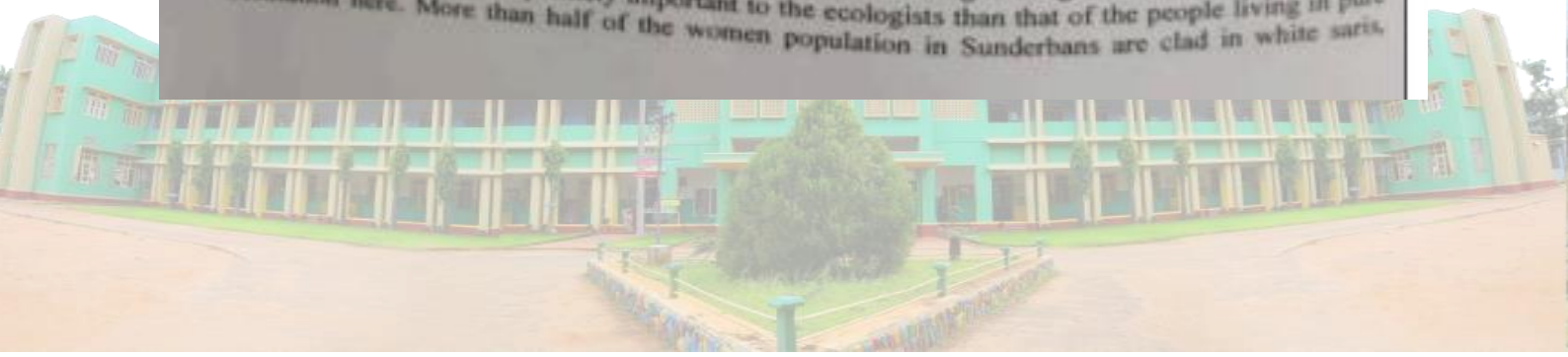
The paper highlights man's psychological, emotional and spiritual relationships with nature in the novel *The Hungry Tide*. This novel written by Amitav Ghosh portrays how nature plays a vital role in the lives of the human beings. Nature is what keeps them alive and at times it is what kills them as well. From worshipping Bon Bibi, the goddess of the forest to the tigers of Sunderbans that are deemed demons by the people, the inhabitants of the archipelago are out and out one with nature. The Sunderbans is where people of different cultures, perspectives, all placed in a setting of beautiful environment, live in harmony with nature. This paper, "Coexisting with Nature in Amitav Ghosh's *Hungry Tide*" stresses on how the people living in Sunderbans are dependent on nature on so many levels. Their myths and beliefs about nature, their indifference to deaths that occur every day in Lusibari takes not only Piya but every reader by surprise. This novel gives an insight into the lives of the rustics through the eyes of the city dwellers, Kanai and Piya. To the people of Sunderbans, being killed by natural factors is part and parcel of life. The Sunderbans, meaning "beautiful forests", spreading over ten thousand square kilometers puts food on their plates and it is the same thing that takes the life out of them. This paper pinpoints how humans coexist with nature by being spiritually, psychologically and emotionally dependent on it.

Keywords: Nature, co-existence, Sunderbans, psychologically, spiritually, ecology, wilderness.

Amitav Ghosh is one of the most influential authors who concentrates on the problems of the downtrodden in India. Having born in an Indian middle-class household, he has had his fair share of ups and downs in life. He has spent his childhood in Bangladesh, Sri Lanka and other neighboring countries as his father was an army lieutenant colonel. His experience in these third world nations has given him insights into the kind of life the natives lead. His books delve deeper into the issues of marginality, class-caste struggle, identity struggle, culture, migration and the diaspora.

Ghosh's phenomenal novel *The Hungry Tide* is set in the backdrop of Sunderbans, a forest between Bangladesh and India. It is an archipelago of islands stretching for almost two hundred miles from Hooghly River in West Bengal to the shores of the Meghna in Bangladesh. The inhabitants of these islands call it bhatir desh which means "the tide country". The island is a home for a certain species of dolphins called Orcaella, crocodiles and the royal Bengal tiger. The islanders live in utter penury not to mention the loss they have to withstand due to storms and floods that frequent the island. The inhabitants of these islands, though unable to provide for themselves have an unshakeable bond with nature. Piyali Roy, a cetologist based in Seattle is saved from drowning by an illiterate fisherman named Fokir with whom she shares a strong bond later in the novel. Kanai Dutt, a Delhite and a translator by profession visits his aunt Nilima in Lusibari who insists him to look into the diary of his late uncle Nirmal Bose. The city dwellers explore the wonders and the downsides of the tide country and are awestruck at the extent to which the villagers rely on nature. They are dependent on nature not only for food but also to meet their spiritual, psychological and emotional needs.

The islands are dotted with mangrove trees and other vegetation. The islanders penetrate the forests in search of food, water and firewood at the risk of being killed by ferocious animals that roam the thicket. The lifestyle of the rustics is brought to light through the character Fokir. Most of the time he lives off of crabs, rowing his boat through the creeks of the Matla. For these people, education is beyond the scope of imagination and survival is an everyday tussle. For them, getting killed by tigers and crocodiles is not a huge deal. Nilima discloses how at least one inhabitant gets killed by the tigers every day in these islands. In cities, these killings would have been deemed genocide but here it is brushed under the carpet because these killings amount to nothing to the government. The lives of the tigers in Sunderbans are supremely important to the ecologists than that of the people living in pure destitution here. More than half of the women population in Sunderbans are clad in white saris.



≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of the Asiatic Society of Mumbai (print only) (Current Table of Content)
Publication Language	English
Publisher	The Asiatic Society of Mumbai
ISSN	0972-0766
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	General Arts and Humanities
UGC-CARE coverage years	from June-2019 to Present

Journal of the Asiatic Society of Mumbai

Home | **About Journal** | Journal Committee | Guideline | Regulations | Old Series | New Series | Publications for Sale

About Journal

Asiatic Society of Mumbai is a pride of this city. The Society has one of the biggest treasures of different archives. One of such archives is its publication – Society’s Journal. The Journal published its first issue in 1841. In 2016, the enthusiastic editors, who work on honorary basis for the Society, continue to follow the great tradition of their predecessors. It’s a pride that Bharatratna MM Dr. PV Kane was once the editor of Society’s Journal.

Since 1841, the Society has seen many ups and downs. It even changed its name from The Royal Asiatic Society (Bombay Branch) to Asiatic Society of Bombay, and then to Asiatic Society of Mumbai. The Journal, however, stuck to its high standards which attracted hundreds of researchers to the Society. This treasure of Journal issues in the last 172 years has always been an important source of references for the students, researchers and readers. They used to flip through the Journal’s paper pages for finding the references.

- **Name of the Journal** : Journal of the Asiatic Society of Mumbai.
- **ISSN Number** : 0972-0766.
- **Nature of Publication** : Hard Copy.
- **Periodicity** : Annual.
- **Publisher** : The Asiatic Society of Mumbai.
- **City** : Town Hall, Mumbai - 400 023.
- **State** : Maharashtra.
- **Country** : India.

© 2018 The Asiatic Society of Mumbai. All Rights Reserved.

EGOCENTRIC BEHAVIOURISM OF HUMANS TOWARDS NATURE IN DAMODAR MAUZO'S *WAITING FOR DEATH*

J. Antoinette Mourine, II. M.A. English Literature, Holy Cross College (Autonomous), Nagercoil.

Mrs. A.R. Jemi, M.A., M.Phil., NET, Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil.

Abstract

Water is not a commodity – water is life. If we destroy our water sources, we destroy future generations are the words owned by Sadhguru. Water is mandatory to hold life in any living organisms. A person would be able to manage without taking food, but not without water. In some parts of the world, people struggle to get sufficient water to satisfy their basic needs. Water continues to be a crucial part of nature, but used extravagantly by humans. Since it is a natural resource, mortal beings could easily get access to it but as a result of excessive usage everyone is forced to spend money on it. Business with water is highly profitable but people must be ashamed for this situation. The concept of exploiting water resource is very well used by Mauzo in his short story *Waiting for Death*. Water is not only needed for men but also for animals. At present people are focused more on saving water for themselves, and other living species are left unnoticed. Humans could not take the liberty in wasting water because they have not done anything to produce it. Humans are the only species which consume everything from nature without giving anything in return. This particular paper titled as "Egocentric Behaviourism of Humans towards Nature in Damodar Mauzo's *Waiting for Death*" mainly focuses on the idea how scarcity of water leads humans, animals and trees to the path of extinction.

Keywords: Water, Humans' selfishness, Threat to nature, Man-centred, Extinction.

Damodar Mauzo is a Goan short story writer, novelist, critic and script writer in Konkani. He has served as a member of the executive board, general council, as well as the finance committee of the Sahitya Akademi. His works are translated into many different languages. Most of his stories have appeared in Portuguese, French, and English besides several Indian languages. He is awarded with Juanpith Award in the year 2021, Sahitya Akademi Award in 1983 and many other outstanding awards. This story reveals about the snake's life, who fights for its survival due to lack of water. All the members of its family have already succumbed to death and it is left alone. The snake's search for water and turmoil's faced on the way are brought out in a splendid manner. There is an interruption of a tree, which also suffers due to dryness in the ground. Towards the end all these victims anticipate the arrival of death.

As per today's status, there are lot many revolutions in case of climate. Percentage of rainfall is much reduced owing to scarcity of trees. Seasons do not take their turns on time and any prolonged season could lead to the path of destruction. Humans are responsible for these kinds of changes and they take extra advantage when it comes to nature as if they have owned it. The situation presented through the short story is not in favour of the snake. The serpent symbolically stands for nature and it terribly suffers from severe thirst, as well as intense heat of the scorching sun. God has created the world with complements enhanced with natural stuff in order to bring enrichment in humans' life but in the part of nature men always play the role of an antagonist. "All living beings were being baked like cakes in an oven" (96). This quote reveals the exact pathetic reality of their situation. All aspects of nature are meant to go hand in hand. If weather does not cooperate with others, then it will be as land has been parched. Even grass is not found on the surface of the Earth only sand is visible. It shows the transformation of how the flourished land has turned into withered and dry desert due to no sign of water.

≡ UGC-CARE List

Journal Details

Journal Title (in English Language)	Shodha-Prabha
Journal Title (in Regional Language)	शोध-प्रभा , शोध-प्रभा
Publication Language	English , Sanskrit , Hindi
Publisher	Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha
ISSN	0974-8946
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Literature and Literary Theory
UGC-CARE coverage years	from September-2019 to Present

4/15/24, 4:21 PM

Shodh Prabha | Shri Lal Bahadur Shastri National Sanskrit University

MONDAY, APRIL 15, 2024

LOGIN SCREEN READER ACCESS SKIP TO MAIN CONTENT LANGUAGE



श्री लाल बहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय
SHRI LAL BAHADUR SHASTRI NATIONAL SANSKRIT UNIVERSITY
A Central University established by an Act of Parliament
(Formerly SLBSR Sanskrit Vidyapeetha, Deemed to be University)
Under Ministry of Education, Govt. of India



- The Administration Academic Schools & Admision Library Examination Facilities RTI NAAC Contact
- University Departments Us

Home > Newsletter > Shodh Prabha

| Shodh Prabha

Start date End date
 E.g., 15/04/2024 E.g., 15/04/2024

<p>Shodh Prabha April-June 2023</p> <p><input type="button" value="Read"/></p>	<p>Shodh Prabha January-March 2023</p> <p><input type="button" value="Read"/></p>	<p>Shodh Prabha October-December 2022</p> <p><input type="button" value="Read"/></p>
<p>Shodh Prabha July-September 2022</p> <p><input type="button" value="Read"/></p>	<p>Shodh Prabha April June 2022</p> <p><input type="button" value="Read"/></p>	<p>Shodh-Prabha January 2022</p> <p><input type="button" value="Read"/></p>
<p>Shodh-Prabha October 2021</p> <p><input type="button" value="Read"/></p>	<p>Shodh-Prabha July 2021</p> <p><input type="button" value="Read"/></p>	<p>Shodh-Prabha April 2021</p> <p><input type="button" value="Read"/></p>

शोध प्रबन्ध

Shodha Prabandha (UGC CARE Journal)

ISSN: 0974-8946
Vol. 47, Issue 02 No.6 : 2022

AN INTERTEXTUAL GYNOCENTRIC READING OF ANITA DIAMANT'S
THE RED TENT

*S. FRANSTA DARSHANA

Research Scholar, Reg.No: 18123044012006

Holy Cross College (Autonomous)

Affiliated to Manonmaniam Sundaranar University Nagercoil-4

**Dr. ALBY GRACE

Research Supervisor, Head of the Department of English

Holy Cross College (Autonomous)

Affiliated to Manonmaniam Sundaranar University, Nagercoil-4

ABSTRACT

Postmodernism has its origin from modernism. It is a movement from the second half of the twentieth century that emphasizes fragmentation. It denounces the distinction between the work of art and popular art which was common during modernism. Postmodern intertextuality has a strong sense of craving to conceal the gap between the past and present of the reader and to rewrite about the past in a new version. The Red Tent, a popular novel by Anita Diamant is an emotionally rich saga based on the characters in the Bible. The novel retells the biblical events from a female perspective and emphasizes women's experiences. Dinah narrates the story in The Red Tent. Diamant tries to enable a feminist reimagining of women's stories. By displacing the story into a gynocentric social setting, the writer is able to locate the female characters in a space in which patriarchy is no longer in a naturalized position of ideological hegemony. The paper discusses how the novel interweaves biblical events and how the novel can be analysed as a postmodern gynocentric intertextual work.

Keywords: Postmodernism, intertextuality, feminist reimagining, and gynocentric.

Postmodernism has its origin from modernism. It is a movement from the second half of the twentieth century that emphasizes fragmentation. Postmodern intertextuality has a strong sense of craving to conceal the gap between the past and present of the reader and to rewrite about the past in a new version. Intertextuality is a literary device that is characterized by the direct presence or trace of the text in another text. It is a term that probably conveys the connection between the texts. The writers of postmodernism explore meta-fictional elements prominently within the creation of fiction.

The role of meta-fiction can be described not through direct interaction with the readers rather through other specific devices such as allusion, quotation, paraphrasing, irony, pastiche, etc. These devices bring into light about the underlying connections between the

≡ UGC-CARE List

Journal Details

Journal Title (in English Language)	Shodha-Prabha
Journal Title (in Regional Language)	शोध-प्रभा , शोध-प्रभा
Publication Language	English , Sanskrit , Hindi
Publisher	Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha
ISSN	0974-8946
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Literature and Literary Theory
UGC-CARE coverage years	from September-2019 to Present

4/15/24, 4:21 PM

Shodh Prabha | Shri Lal Bahadur Shastri National Sanskrit University

MONDAY, APRIL 15, 2024

LOGIN SCREEN READER ACCESS SKIP TO MAIN CONTENT LANGUAGE



श्री लाल बहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय
SHRI LAL BAHADUR SHASTRI NATIONAL SANSKRIT UNIVERSITY
A Central University established by an Act of Parliament
(Formerly SLBSR Sanskrit Vidyapeetha, Deemed to be University)
Under Ministry of Education, Govt. of India



- The Administration Academic Schools & Admision Library Examination Facilities RTI NAAC Contact
- University Departments Us

Home > Newsletter > Shodh Prabha

| Shodh Prabha

Start date End date
 E.g., 15/04/2024 E.g., 15/04/2024

Shodh Prabha April-June 2023

Shodh Prabha January-March 2023

Shodh Prabha October-December 2022

Shodh Prabha July-September 2022

Shodh Prabha April June 2022

Shodh-Prabha January 2022

Shodh-Prabha October 2021

Shodh-Prabha July 2021

Shodh-Prabha April 2021

शोध प्रभा

Shodha Prabha (UGC CARE Journal)

ISSN: 0974-8946

Vol. 47, तृतीया अंक, No.01: 2022

CULTURAL POLEMICS AS A RECURRING FACTOR IN EASTERINE KIRE'S *SKY IS MY FATHER: A NAGA VILLAGE REMEMBERED*

W. Fairly Jenifer Reg. No: 21113044012015 Research Scholar

Dr. H. Jimsy Asha Assistant Professor of English

Holy Cross College (Autonomous) [Affiliated to Manonmaniam Sundaranar University] Nagercoil - 629 004

Abstract:

Easterine Kire is one of the phenomenal writers of Naga literature, who echoes the culture bound traditions of Nagaland. Cultural polemics play a significant role in current era as it brings to light the changes which are wrought in terms of Globalisation. The indigenous practices get subdued under the cultural polemics played by the British people. The sudden shift of culture from one another makes the native people, a victim of cultural amalgamation. The hilly region which is bound with flora and fauna remains the safest place for Naga people until the advent of British troops. After the advent of British as mainstream power source, the entire people find it hard to cope with the transitions which happen in society in terms of modernisation. The religious connotations get transferred into new epithets with the arrival of British in Nagaland. The elderly people foresee the cultural disruption which in turn slowly poisons the young minds to enter into new culture. The traditional practices like *genna* days, chicken sacrifices and clan system get slowly disappear from the Naga culture. The ethnic conflict brings to light the introduction of new phenomenal culture replacing the vernacular culture of Nagaland. This paper attempts to analyse the turbulences which are responsible for the transition in Naga culture.

Keywords: cultural literacy, counterculture, mythos, indigenous practices, esoteric sayings

Easterine Kire is one of the north eastern writers, who present the authentic view of Naga culture throughout her works. She has contributed copious poems, short story collections and novels which display her affection towards the indigenous tribes of Nagaland. India is a cradle of different cultures. Each and every state has its own culture specific traditions which get slowly eroded under the canopy of modernisation. Kire brings out the cultural polemics which are responsible for the changes in present day Nagaland.

Kire gives the ecological background of the village Khonoma, in Nagaland. *Sky Is My Father: A Naga Village Remembered* is one of the first Naga novels written by Easterine Kire in English language. Nagaland is one of the North Eastern states, which is bordered by mountainous area. The mountainous area serves as a natural fortress of being isolated from other regions. The clan system is one of the predominant features of the Naga culture. There are multifarious clans like Semo, Thevo, Thepa and Merhu in Nagaland. Each clan has their own indigenous practices and customs which are unique in their own way.

The British expedition to the Naga Hills dates back to the year 1832. The original intention of the British is to find a route from Manipur to Assam through Nagaland. The entry of British troops in Nagaland altered the mainstream culture which is prevalent for ages. The entry of British culture has rendered the cultural practices which is predominant in clan system of Nagaland. The culturally literate Nagaland people, who are secluded from the tinges of modernisation, find British as a threat to their culture.

In the book *Modern Literary Criticism and Theory* Habib mentions that "It is evident that much of what falls under Cultural studies could easily be classified under various other labels such as Marxism, Structuralism, New Historicism, Feminism and Postcolonialism" (174). The primary motif of



≡ UGC-CARE List

Journal Details

Journal Title (in English Language)	Shodha-Prabha
Journal Title (in Regional Language)	शोध-प्रभा , शोध-प्रभा
Publication Language	English , Sanskrit , Hindi
Publisher	Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha
ISSN	0974-8946
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Literature and Literary Theory
UGC-CARE coverage years	from September-2019 to Present

4/15/24, 4:21 PM

Shodh Prabha | Shri Lal Bahadur Shastri National Sanskrit University

MONDAY, APRIL 15, 2024

LOGIN SCREEN READER ACCESS SKIP TO MAIN CONTENT LANGUAGE



श्री लाल बहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय
SHRI LAL BAHADUR SHASTRI NATIONAL SANSKRIT UNIVERSITY
A Central University established by an Act of Parliament
(Formerly SLBSR Sanskrit Vidyapeetha, Deemed to be University)
Under Ministry of Education, Govt. of India



Accredited 'A' Grade by NAAC



Home > Newsletter > Shodh Prabha

| Shodh Prabha

Start date End date
 E.g., 15/04/2024 E.g., 15/04/2024

Shodh Prabha April-June 2023

Shodh Prabha January-March 2023

Shodh Prabha October-December 2022

Shodh Prabha July-September 2022

Shodh Prabha April June 2022

Shodh-Prabha January 2022

Shodh-Prabha October 2021

Shodh-Prabha July 2021

Shodh-Prabha April 2021

शोध प्रभा

Shodha Prabha (UGC CARE Journal)

ISSN: 0974-8946

Vol. 47, चतुर्था अंक No.01: 2022

AN ECO-PSYCHOLOGICAL STUDY OF HANS CHRISTIAN ANDERSEN'S "THE UGLY DUCKLING"

Dr. R. Abilasha, Assistant Professor of English, Holy Cross College (Autonomous) Nagercoil – 629 004

Ridhi F. Dayal, III BA., Holy Cross College (Autonomous) Nagercoil – 629 004 Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli- 627012

Abstract

"The Ugly Duckling" is a Danish story written by Hans Christian Andersen. In this story, a swan that was mistaken for an ugly duckling was despised and abused by everyone. At last, when it is fully grown and turns out to be a beautiful swan, it is accepted by its new flock of swans. There are only three kind characters in the story who do not take their appearance into consideration. It was written when it was speculated that Andersen was the unknown son of a Prince and was of royal lineage and he considers this work to be his autobiographical as he was also mocked for his looks when he was young as his identity was also hidden from the time of his birth. In this story, the world is painted as a place where only external beauty matters. This paper focusses on the psychological repercussions of a person who was purposely denied of his royal lineage and proper socio-economic stature owing to reasons on personal grounds. The suffering that he undergoes could have been avoided with better speculations. Fortunately, his endurance and perseverance rewards him and the readers learn a good lesson that there is solution for all problems and every cloud has a silver lining as he finds solace in the lap of mother nature.

Key Words: Despise, Abuse, Appearance, Ugly, Autobiography, Royal lineage

Introduction

This short story was written by the Danish author Hans Christian Andersen. It was written during his stay in the country estate of Bregentved. He took about a year to write the story. His first thought was to name it as "The Young Swans" but later, he named it as "The Ugly Duckling" to maintain the suspense till the end of the story. He considered this work to be his autobiography because when he was young, but he was not a good-looking boy. He was interested in theatre works and was often abused and mocked by the other boys. At that time, it was also speculated that he was the unknown child of Prince Christian Frederik (later King Christian VIII of Denmark) and that he knew the truth just a short period before he wrote this work. Hence, this can be considered as his autobiography as it reveals the fact about the identity of the swan which was mistaken and misunderstood from the time of its birth. The fact about his royal parentage was hidden from the time of his birth. The ugly duckling was abused due to its ugly looks like how he was mocked while he was young because of his looks. All his life, he felt like an outsider even when his works were recognized as such the duckling was also felt like an outsider even when it was recognized by its mother. This story reiterates the concept that a book should not be judged by its cover.

Cultural Context

"The Ugly Duckling" is a Danish fairy tale and was published in 11 November 1843 in New Fairy Tales. The story revolves around how the duckling is despised for its outward looks which it has inherited from its parents during its birth and for which it is in no way responsible. The First Volume was named in Danish as "Nye Eventyr. Første Bind" and the author has repleted his life in words. It has been published many times in the different fairy tale collections of Andersen and has been translated into many other languages as well.

Literary And Critical Review

Andersen considered this as his autobiography considering the facts that his identity and that of the ugly duckling were mistaken from the beginning and both were abused for not looking good.

Shri Lal Bahadur Shastri Rashriya Sanskrit Vidyapeetha

Page | 98

≡ UGC-CARE List

Journal Details

Journal Title (in English Language)	Shodha-Prabha
Journal Title (in Regional Language)	शोध-प्रभा , शोध-प्रभा
Publication Language	English , Sanskrit , Hindi
Publisher	Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha
ISSN	0974-8946
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Literature and Literary Theory
UGC-CARE coverage years	from September-2019 to Present

4/15/24, 4:21 PM

Shodh Prabha | Shri Lal Bahadur Shastri National Sanskrit University

MONDAY, APRIL 15, 2024

LOGIN SCREEN READER ACCESS SKIP TO MAIN CONTENT LANGUAGE



श्री लाल बहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय
SHRI LAL BAHADUR SHASTRI NATIONAL SANSKRIT UNIVERSITY
A Central University established by an Act of Parliament
(Formerly SLBSR Sanskrit Vidyapeetha, Deemed to be University)
Under Ministry of Education, Govt. of India



The Administration Academic Schools & Admision Library Examination Facilities RTI NAAC Contact
University Departments Us

Home > Newsletter > Shodh Prabha

| Shodh Prabha

Start date End date
E.g., 15/04/2024 E.g., 15/04/2024

Shodh Prabha April-June 2023

Shodh Prabha January-March 2023

Shodh Prabha October-December 2022

Shodh Prabha July-September 2022

Shodh Prabha April June 2022

Shodh-Prabha January 2022

Shodh-Prabha October 2021

Shodh-Prabha July 2021

Shodh-Prabha April 2021

शोध प्रभा

Shodha Prabha (UGC CARE Journal)

ISSN: 0974-8946

Vol. 47, चतुर्थ अंक No.01: 2022

ECO THERAPY FOR PSYCHOLOGICAL AILMENTS IN JON KRAKAUER'S "INTO THE WILD"

Dr. R. Abilasha, Assistant Professor of English, Holy Cross College (Autonomous) Nagercoil 629004
Dhanya. A, III BA., Holy Cross College (Autonomous) Nagercoil – 629 004 Affiliated to
 Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli- 627012

Abstract

Nature therapy is an age-old practice of healing the weak and the withered. It promotes both physical and mental development and work wonders which medicines may not do. It is a method formulated by Theodore Roszak. It uses outdoor activities to cultivate mindfulness and mental wellbeing. People who are solitary and socially alienated, seek refuge in nature. Jon Krakauer's "Into the Wild" "or Death of an Innocent" deals with a series of adventures undertaken by Chris McCandless who opted to be a nature wanderer leaving behind his fortunate life. He saw vitality in traveling. He enjoyed his own company in all his travels even if it is dangerous. At the end, for the sake of adventure and to prove himself, he died tragically in the process, due to starvation. This study asserts how travel helps a person in the process of transformation and changes him in many ways from an innocent chap to rather a solitary and matured being. A best prototype is given through Chris's life in the memoir. It also shows that travel has more or less connections with one's personal situations and that it differs from person to person.

Key Words: nature, ecopsychology, therapy, solitude, death

The basic instinct of every human when facing unexpected situations is to escape from the reality even though they knew the solution won't appear all of a sudden. During these hardships people seek comfort in other ways which are not related to their troubles. To clear the mind and to solve the problem, everyone has their own methods of cooling off. Some people like to empty their minds by seeking refuge in nature or to travel to their heart's content. Maybe because they would like to experience nature's calmness and try to mimic its behaviour to attain peace of mind and sound body and some, may feel refreshed while traveling. The fresh air gazing against their tired / damaged soul and the gentle touch of breeze may relieve them from the worn-out body and revitalize their spirits and they seek to meet strangers who have no connection to them, mostly to gain advice on their experience or to feel unwanted in an alienated place which would push them to return to their reality and face their problems and to be able to move on from truth which they wish not to hear and to have a clear perspective about where they were in their lives. In the case of "Into the Wild", the protagonist, Christopher Johnson McCandless wanted to experience both nature while traveling. This peculiar interest twist and turn Chris' life and led him to set-off alone into Alaskan wilderness. Whether the sootiness which Chris searched in nature gave him the satisfaction or not, he was hoping and finally attained peace with his mind or he was another young man consumed by their obsession towards nature is being explained in the novel, "Into the Wild". John Krakauer beautifies and terrifies the readers with his writings and the method he explains are the significance of nature and its mysterious ways of showing care and opposition when human sees nature as a commodity which can help them if wanted and can be abused when their greed exceeds rather than a part of community where both human and nature have to co-exist.

Jon Krakauer gives many other notable travellers' life including Chris. He shares his own personal travelling experience and explains the cause and the outcome of his journey as compared to that

☰ UGC-CARE List

UGC-CARE List

You searched for "2348-8425". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Satraachee	Satraachee Foundation	2348-8425	NA	from July-2022 to October-2023	Discontinued from Oct. 2023

Showing 1 to 1 of 1 entries

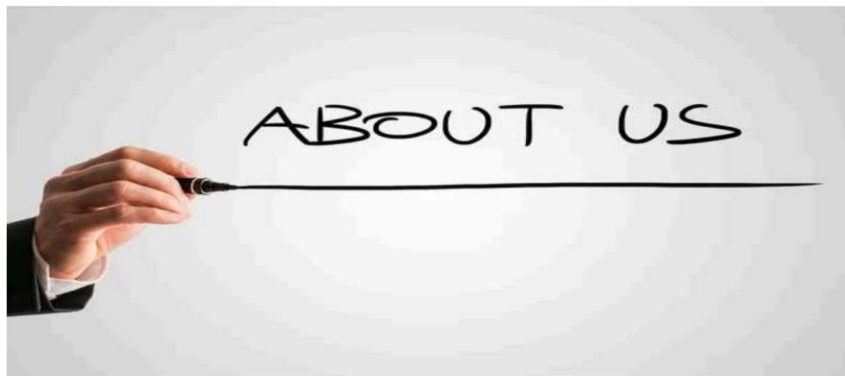
Previous 1 Next

4/15/24, 4:23 PM

Satraachee Foundation



‘सत्राची फाउंडेशन’



‘सत्राची फाउंडेशन’ कंपनी अधिनियम, 2013, सेक्शन 8 के तहत कारपोरेट मंत्रालय, भारत सरकार द्वारा मान्यता प्राप्त एक शोध संस्था है जो जनवरी, 2021 से सक्रिय है। यह संस्था मुख्य रूप से भाषा, साहित्य, शिक्षा, समाज, राजनीति एवं संस्कृति से संबंधित विषयों में शोध करने-करवाने के साथ-साथ उसे प्रकाशित करने का उद्देश्य रखती है।

बिहार के साहित्यकार एवं उनका साहित्य इस संस्था की प्राथमिकताओं में है। आने वाले दिनों में बिहार के प्रमुख साहित्यकारों की जीवनी, उनकी रचनाओं की संचयिता एवं उनके साहित्यिक वैशिष्ट्य को उद्घाटित करने वाली

The Fragility of Women's Rights in Afghanistan: A Study on Nadia Hashmi *The Pearl that Broke it's Shell*

- Fathima Safa S⁶
- Snow J. Sharmilla

Abstract:

Struggle is a part of life but it is the only journey for women. In most of the countries women are struggling still to live their own life, because of partial and strict rules. Inequality is practiced everywhere and male dominance is growing expeditious. In Afghanistan, women are struggling between patriarchal dominance and the absurd rules exerted upon them. Under the rule of Taliban's girls and women are deprived even the basic rights like, right to education and work. Patriarchy, poverty and lack of education for women has stifled the right of women for decades. Child marriage and abusive actions against women are exerted by their own husbands and relatives. Women are forbidden to create their own identity. The study aims to enumerates the problems they face every day, and examines how Afghan women struggle to life their normal life

Key Words: feminism, patriarchy, struggle, oppression, women's right

All the human beings are equal in this world, they have their own rights. Every woman wants their rights on political, economic, education; but there are countries who suppress women by hindering them to do what they want. Feminism expose the bitter truth of patriarchy and their frustration by being an underpowered and submissive spirit. The vicious circle of patriarchy tightly grips a women from her great achievements, to reveal her own identity to the world, to make her path on her own and to be an empowered women. Even nowadays women and girls are trafficked into forced marriage, slaves, and sexual abuse. Even the useful technology resources are more vicious against women and they struggle to survive even in this era.

Lois Tyson, professor Emerita of English at Grand Valley State University, USA, in her *Using Literary Theory: How To Read and Write Literature* explains about many theories in English literature, Feminist Theory is one among them. She explains about feminist as:

According to feminist theory, the patriarchy ideology or responsible for the oppression

☰ UGC-CARE List

UGC-CARE List

You searched for "2348-8425". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Satraachee	Satraachee Foundation	2348-8425	NA	from July-2022 to October- 2023	Discontinued from Oct. 2023

Showing 1 to 1 of 1 entries

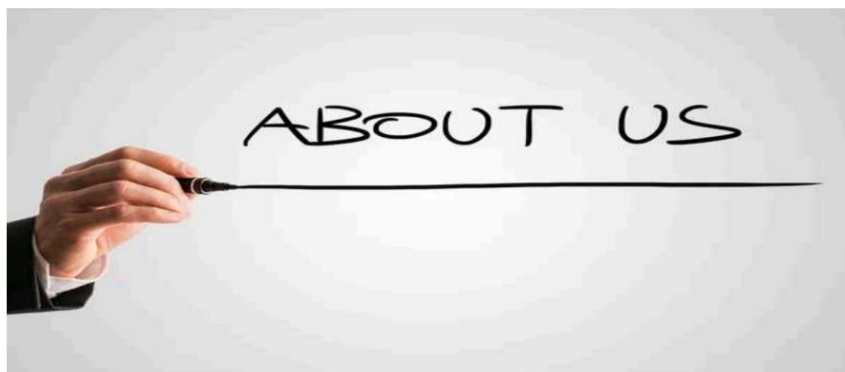
Previous 1 Next

4/15/24, 4:23 PM

Satraachee Foundation



‘सत्राची फाउंडेशन’



‘सत्राची फाउंडेशन’ कंपनी अधिनियम, 2013, सेक्शन 8 के तहत कारपोरेट मंत्रालय, भारत सरकार द्वारा मान्यता प्राप्त एक शोध संस्था है जो जनवरी, 2021 से सक्रिय है। यह संस्था मुख्य रूप से भाषा, साहित्य, शिक्षा, समाज, राजनीति एवं संस्कृति से संबंधित विषयों में शोध करने-करवाने के साथ-साथ उसे प्रकाशित करने का उद्देश्य रखती है।

बिहार के साहित्यकार एवं उनका साहित्य इस संस्था की प्राथमिकताओं में है। आने वाले दिनों में बिहार के प्रमुख साहित्यकारों की जीवनी, उनकी रचनाओं की संचयिता एवं उनके साहित्यिक वैशिष्ट्य को उद्घाटित करने वाली

Survival Through Adversity: A Psychoanalytical Study on Cormac McCarthy's *The Road*

- Shino Fathima B.¹¹
- Snow J. Sharmilla⁷

Abstract:

Survival is the ultimate attribution of human life. Human beings try to survive through different circumstances. Survival is not just about being alive but a part of their life journey. One has to be strong both physically and emotionally to get through different and difficult situations. One has to understand and adapt to the situations in order to survive. Human race has encountered many kinds of apocalypse, both natural and name made. The difficult situations they encounter makes the human race strong. They strive to survive in the world which is in an absurd state. This paper intends to state the fact that survival strategies help human beings to encounter any situation, with reference to the experience faced by the refugees and immigrants in *The Road* by Cormac McCarthy. This paper further examines how emotions plays an important role in survival and coping mechanisms.

Key words: survival, adaptation, existentialism, refugees/immigrants, emotions.

Survival is the act of surviving under unusual situations. Survival is a difficult thing to do but when someone is forced to live in an unfamiliar situation, they have to cope up with everything around them. Human survival instincts are innate and extremely powerful which help them to survive. Humans can survive through any kind of adversity if they are determined. Survival is not just about getting food, finding shelters, but it is about adapting and being resilient. The attitude or practice in life with survival as the main value is known as survivalism. Living and surviving is a bit different from each other. Surviving is to remain alive whereas living is having a life.

To survive one have to adapt to the circumstances. The important trait of survival is adaptation. Adaptation not only applies to the human species but also to the other species. The advanced species of flora and fauna is a result of adaptation. Every plant and animal need to adapt to the environment. The theory of Natural Selection by Charles Darwin states that the traits that offer advantage will most likely to be passed on to offsprings and offspring with those traits have a better chance of surviving. Evolution occurs only by natural selection. Adapting to the circumstance help someone to understand the situation better and can help them to survive. Resilience is the key to survive any kind of adversity.



☰ UGC-CARE List

UGC-CARE List

You searched for "2278-6864". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Education and Society (print only)	Indian Institute of Education	2278-6864	NA	from September-2019 to July- 2024	Discontinued from July 2024

Showing 1 to 1 of 1 entries

Previous 1 Next

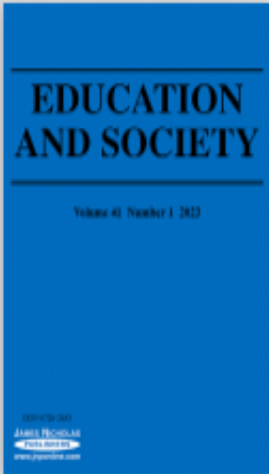
◀ ▶

JAMES NICHOLAS

PUBLISHERS

[Journals](#) [Abstracts](#) [For Authors](#) [About Us](#) [Contact Us](#)

[Submit an Article](#)



Education and Society

2 issues per year

Education and Society provides a forum, where teachers and scholars throughout the world, are able to evaluate current issues and problems in education and society from a balanced and comparative social, cultural and economic perspective.

Education and Society is used by teachers, academics, research scholars, educational administrators and graduate students.

Education and Society is double blind peer reviewed.

The journal has no publication fees.

Editor Joseph Zajda, Australian Catholic University

ISSN ISSN: 0726-2655 (print), 2201-0610 (online)

- [Read Online](#)
- [Subscribe](#)
- [Submit an Article](#)



Education and Society (शिक्षण आणि समाज)
(UGC Care Journal)

ISSN: 2278-6864

Vol-46, Issue-4, No.-08, October-December: 2022

IMPACT OF SELF-HELP GROUPS ON WOMEN EMPOWERMENT – WITH SPECIAL REFERENCE TO KANYAKUMARI DISTRICT

Dr. R. Evalin Latha (Assistant Professor of Commerce, Holy Cross College (Autonomous), Nagercoil)

Ms. A. Franklin Ragila (Assistant Professor of Commerce, Holy Cross College (Autonomous), Nagercoil)

Dr. J. Bhavani (Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil)

Dr. V. Abila (Assistant Professor of Commerce, Scott Christian College (Autonomous), Nagercoil)

Ms. K. B. Steffi (Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil)

ABSTRACT

Self-help Groups (SHGs) are playing a major role in removing poverty in the rural India today. The group-based model of self-help is widely practiced for rural development, poverty alleviation and empowerment of women. It aims to mobilize people, to give them voice and build people's organizations that will overcome barriers to participation and empowerment. Central to the idea of self-help is the formation of groups, concept of a community and the development of cordial relationships that will promote people's wellbeing. Self Help Groups serve as a medium of delivering micro credit to the members. This proposed research work aims at focusing impact of self help groups on women empowerment with special reference to Kanyakumari district.

KEY WORDS: *removing poverty, women empowerment, micro credit, self help groups, community development...*

INTRODUCTION

A self-help group is a small community of people who meet together on a regular basis to gain and provide support in overcoming a common issue or occurrence. Self-help groups can benefit people with a wide variety of struggles. Individuals with mental health concerns, financial struggles, substance abuse concerns, non-substance addictions, facing grief or loss, or a history of trauma, can usually find a self-help group for local support.

Self-help Groups (SHGs) are playing a major role in removing poverty in the rural India today. The group-based model of self-help is widely practiced for rural development, poverty alleviation and empowerment of women. Self-help as a strategy for social development places emphasis on self-reliance, human agency and action. It aims to mobilize people, to give them voice and build people's organizations that will overcome barriers to participation and empowerment. Central to the idea of self-help is the formation of groups, concept of a community and the development of egalitarian relationships that will promote people's wellbeing. Self Help Groups serve as a medium of delivering micro credit to the members

SHGs increase savings habits of women, helps women to raise loans, encourage women to start their income generating activities and provide bank linkage so as to gain banking facilities and services. By doing so, they increase economic freedom of women and increase the status of women in their family and society.

STATEMENT OF THE PROBLEM

Self-Help Groups are formed for the women's socio-economic empowerment. Women participation in Self Help Groups have obviously created tremendous impact upon the life pattern and style of poor women and have empowered them at various levels not only as individuals but also as members of the family members of the community and the society as whole. They come together for the purpose of solving their common problems through self-help and mutual help. Hence the present study highlights the impact of Self-Help Groups on Women Entrepreneurship in Kanyakumari District.



≡ UGC-CARE List

UGC-CARE List

You searched for "2348-8425". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Satraachee	Satraachee Foundation	2348-8425	NA	from July-2022 to October-2023	Discontinued from Oct. 2023

Showing 1 to 1 of 1 entries

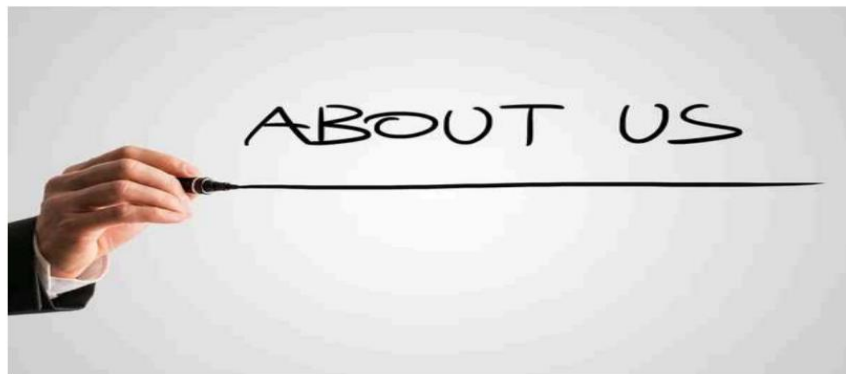
Previous 1 Next

4/15/24, 4:23 PM

Satraachee Foundation



‘सत्राची फाउंडेशन’



‘सत्राची फाउंडेशन’ कंपनी अधिनियम, 2013, सेक्शन 8 के तहत कारपोरेट मंत्रालय, भारत सरकार द्वारा मान्यता प्राप्त एक शोध संस्था है जो जनवरी, 2021 से सक्रिय है। यह संस्था मुख्य रूप से भाषा, साहित्य, शिक्षा, समाज, राजनीति एवं संस्कृति से संबंधित विषयों में शोध करने-करवाने के साथ-साथ उसे प्रकाशित करने का उद्देश्य रखती है।

बिहार के साहित्यकार एवं उनका साहित्य इस संस्था की प्राथमिकताओं में है। आने वाले दिनों में बिहार के प्रमुख साहित्यकारों की जीवनी, उनकी रचनाओं की संचयिता एवं उनके साहित्यिक वैशिष्ट्य को उद्घाटित करने वाली

Psychological Impact of Oppression in Naomi Alderman's *The Power*

- Sherena P⁸
- Snow J. Sharmilla⁷

Abstract:

Naomi Alderman, acclaimed for her feministic views and orthodox religious contexts has highlighted the effects of dystopian world in her novel, *The Power*. This speculative fiction is modelled upon certain fictitious forms that focuses on the psychological trauma faced by the protagonist Allie. The lack of motherly care from her childhood becomes the voice she hears. The character she sets up in herself takes the role of a mother. The voice has an empowering tone which makes Allie feel powerful and independent. Focusing on *The Power*, the author's words constrain the reader to analyse it from a psychological perspective. The patriarchal world enforces relentless tyrannical acts over women that causes emotional unrest in them. This psychoanalytical study is a need of the hour to highlight that such women who are deprived of support need solace and support to empower themselves as manifested by Alderman in her novel.

Keywords: psyche, empowerment, trauma, motherhood, feminism.

Naomi Alderman, a British novelist is known for her exemplary oeuvre on unique themes on the orthodox Jewish beliefs, lesbians, bisexuals, their identity and science fictions like *The Power*. *The Power* provides an unimaginable world where matriarchy takes the lead. The girls acquire an electrical power to shock their oppressors. The novel picturizes a dystopian world which may arise if the patriarchal aggression continues. The subversion of patriarchy and its norms are portrayed by Alderman in her novel as the speculated consequence of the perpetual subjugation of women.

Psychoanalysis is a kind of healing process in medicine where a patient's unconsciousness is brought to realisation. The Austrian psychiatrist Sigmund Freud, coined the term 'psychoanalysis', which came in to practice by the 1880s. It has its roots from the term 'psyche' which means mind or soul. Through this theory, he construes the therapy for neuroses. He classifies personality into three components: id, ego, super ego. Among the three, id holds the unconscious part. It encompasses the impulsive thoughts and is the zone of wish fulfilment and the repository of psychic energy. Freud studied the repressed thoughts of the unconscious in adults. In literature, psychoanalysis focuses on two aspects: one about the mindset of the character and the other about the psychology of the author.

≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Madhya Bharti- Humanities and Social Sciences
Journal Title (in Regional Language)	मध्य भारती- मानविकी एवं सामाजविज्ञान
Publication Language	English , Hindi
Publisher	Dr. Harisingh Gour University
ISSN	0974-0066
E-ISSN	NA
Discipline	Multidisciplinary
Subject	Arts and Humanities (all) , Social Sciences (all)
Focus Subject	General Arts and Humanities , General Social Sciences
UGC-CARE coverage years	from September-2019 to Present

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

[Skip to main content](#) [Screen Reader](#) [A-](#) [A](#) [A+](#) [Home](#) [IQAC](#) [Feedback](#) [Publications](#) [Achievements](#) [Alumni](#) [Accreditation](#) [Contact Us](#) [Site Menu](#) [Help](#) [Old Website](#)



डॉ० हरीसिंह गौर विश्वविद्यालय, सागर (म.प्र.)
Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)
 "A Central University" | A* Grade By NAAC (Fourth Cycle)



- ABOUT US
- ADMINISTRATION
- ACADEMICS
- DEPARTMENTS
- ADMISSIONS
- EXAMINATION
- AMENITIES
- CENTRES
- STUDENT
- QUICK LINKS

[Home](#) / [Site Menu](#) / [Uncategorised](#) / [Madhya Bharti](#)

Madhya Bharti

Madhya Bharti has Two Journals

Madhya Bharti Humanities and Social Sciences

Contact Details

Telephone: 07582-297133

Email: madhyabharti.2016@gmail.com

Editorial Board

Prof. Ambika Dutta Sharma (Chief Editor)

Prof. B.I. Guru (Editor)

Prof. B.K. Shrivastav (Editor)

Dr Ashutosh Mishra (Editor)

Dr Chhabil Kumar Mehar (Editorial Manager)

Madhya Bharti Journal of Science

Contact Details

Telephone: 07582-297133

Email: madhyabharti.2016@gmail.com

Editorial Board

Prof. Archana Pandey (Chief Editor)

Prof. Sanjay K. Jain (Editor)

Prof. Naveen Kango (Editor)

Prof. Shweta Yadav (Editor)

Prof. Ratnesh Dash (Editorial Manager)



Madhya Bharti

Humanities and Social Sciences

Judes Jalaja
मध्य भारती

मानविकी एवं समाजविज्ञान की द्विभाषी शोध-पत्रिका

ISSN: 0974-0066

Play of Memory and Space in the Poems of Seamus Heaney's *Electric Light*

A. Judes Jalaja,

Research Scholar, Reg. No. 18223044012011

PG & Research Department of English,

Holy Cross College (Autonomous), Nagercoil,

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627 012.

Dr. H. Jimsy Asha

Assistant Professor & Research Supervisor, PG & Research Department of English,

Holy Cross College (Autonomous), Nagercoil,

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627012.

Abstract


The confluence of memory and space shapes the narrative of an ecoconscious writer. The natural world in which the poet grew and acquired his consciousness never seems to part ways with his creative sensibility. The ecological setting that the poet chooses for his narratives determines and dominates the poetic lines in ecopoetry. As memory keeps intruding on the creative process, images of the past easily make their way into the present. Ecocriticism endeavors to probe this connection between human consciousness and the environment in order to set the equations right so that the ecological balance is not lost by human errors.

The Irish poet Seamus Heaney is a gifted writer, in whose poems, nature finds itself in connection with its chief inhabitant. His portrayal of nature is never in separation from the human world. In his poems, one can easily find an amalgamation of the varied shades of nature which is not just green. The poems in his 2001 collection *Electric Light* are expressions of his childhood, which was spent in the lush green Irish pastures. They keep reiterating that memory and space are inevitable aspects of Heaney's creativity.

Keywords: Ecoconsciousness, ecopoetry, memory, space, ecological balance, ecocriticism.

Seamus Heaney is a poet whose poetry cannot be defined in simpler terms. Harold Bloom claims that Heaney's poems express an "agnostic way of a stronger poetry, necessarily denser, more allusive, and persuasively difficult." Hence he "holds the most prestigious position on the global stage of poetry and balances his preoccupations with canonical self-awareness" (Moi 172). And his poems are rich with intense Irish experiences. His early poems are a natural response of a young man to the rural pastoral surroundings in which he grew up. Nicholas Allen says that "his poetry seems impossible to uproot from its locality. The northern countryside that nourished and often troubled his imagination is the metaphor for the poet's ideas of family, community, and, by extension, nationality."

The rich Irish environment has always been Heaney's muse provoking him to often compose location-specific poems. The inspiring power of a place, though perspectival, needs an "experiencing subject" to get activated. As Eric Prieto, in his book on poetics of place, points out that place requires the presence of a sensitive subject to be activated as a narrative space. The place is not an inert, material entity that has to be discovered but rather an interaction between a



SAVITRIBAI PHULE
PUNE UNIVERSITY






UGC-CARE List

Journal Details

Journal Title (in English Language)	New Centuryin Ungal Noolagam
Journal Title (in Regional Language)	நியூ செஞ்சுரீயின் உங்கள் நூலகம்
Publication Language	English , Tamil
Publisher	New Century Book House Pvt. Ltd.
ISSN	2394-7535
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Language and Linguistics
UGC-CARE coverage years	from October-2021 to Present

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

Welcome to our ncbh website Contact Us 044-26258410

Call Support : 044-26258410, +91 4448588922,
+91 9597683451 e-mail : info@ncbh.in
Follow:     

Wishlist (0) Login / Sign up



Home All Books ▾ Ungal Noolagam ▾ Ncbh Arivu

Thamarai Nestling Events



Ungal Noolagam April 2023

Home / Ungal Noolagam April 2023



உங்கள் நூலகம்



ISSN: 2394-7535

நியூ டெக்னாலிபிள் உயர்கல் நூலகம்
பக்கவாசகங்களுக்கான மானியக்குழு (UGC) அங்கீகாரம் பெற்ற மாத இதழ்

யன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜர்லி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா:பிரான்சிஸ் கேதரின்
துறைத்தலைவர்

முனைவர் வெ.முனோரா பவுலின் பேரி

முனைவர் செ.வ. ஜான்கிராணி

தொழில்நுட்ப அறிவுறுப்பினர்



123. கவியின்பழம் காட்சியின்பழம்

முனைவர் செ.நேன்மொழி,
உதவி பேராசிரியர்
தமிழ்நாடு
தொழில்நுட்ப அமைதி
சாலை
சென்னை

ஆய்வுக் கருக்கம்

கம்பராமாயணத்தில் இயற்கை வகுணங்களின் காணப்படும் சொற்பொருள் நயத்தையும் கம்பர் அக்காட்சியைக் கண் முன் கொண்டு வரும் அனுபவத்தையும் பற்றி விவரிக்கும் வகையில் கட்டுரை அமைத்துள்ளது. கம்பராமாயணத்தில் சித்திரகூடபடயம், நாட்டுப்படயம், ஆற்றுப்படயம் போன்றவற்றை கையமாகக் கொண்டு அவற்றில் இடம்பெறும் இயற்கை வகுணங்களைப் படிப்போரின் சிந்தனையில் தோன்றும் கவிச்சிந்தனையும் மனநிலை தோன்றும் காட்சியின்பழம் விளக்கப்பட்டுள்ளது.

முன்னுரை

'கம்பன் வீட்டுக் கட்டுத்தறியும் கவிபாடும்' எனும் வாக்கின் உண்மைத் தன்மையை கம்பராமாயணம் கற்ற அனைவரும் உணர்வர். 'புகழ் கம்பன் பிறத்த தமிழ்தாடு' என்று தமிழ்தாட்டிற்கு அடையாளமாகக் கம்பரை கொண்டாடுகின்றார் பாரதியார். கவிச்சக்கரவர்த்தி கம்பரின் சொல்வழரும் பொருள்வழரும் கையவழரும் முனைவழரும் கற்போர் மனநிலை கவிச்சிந்தனையும் காட்சியின்பத்தையும் அன்னை வழங்குவதாக அமைந்துள்ளன. -கம்பவியில் பெரிவயல் கம்பர்' என்று போற்றப்படுவதற்குக் காரணமாக இருப்பதும் இதேயே ஆறும்.

இயற்கையும் வகுணங்களும்

இயக்கியங்களில் இயற்கையும் வகுணங்களும் ஒன்றோடு ஒன்று பின்னிப்பிணைந்து வாசகர் மனதைக் கொள்ளைக் கொள்ளும் வகையில் அமைந்துள்ளன. கவிஞன் தன் எண்ணத்தில் தோன்றும் காட்சியைப் படிப்பவர்களின் மனக்கண் முன்பே கொண்டு வரும் உத்திதான் வகுணனை. கற்பனையும் வகுணனையும் இவ்வாறு எந்தவொரு படைப்பும் சிறந்த இயக்கியமாகாது. கற்பனையே வகுணனைகளுக்கு அடிப்படையாகக் கவிச்சிந்தனை கற்பனையில் தான் பிறக்கின்றது. தமிழ் இயக்கியங்களில் இவை கொட்டிக்கிடக்கின்றன. சங்க இயக்கியம் முதல் இவை காணக்கிடைக்கின்றன. கம்பராமாயணத்திலும் இவற்றைத் திகட்டி வைக்கலாம்.

"நிலம் தீர் தவணிகம்பொருத்தும்

கைத்தயக்கம் உகைம்" (தொல்.மரபு-90)

என்று தொல்காப்பியல் மரபியலில் நிலம், தீர், காற்று, தீ, ஆகாயம் எனும் ஐம்பூதங்களும் கைத்தயதான் உகைம் என்று குறிப்பிட்டுள்ளதை நோக்கும் போது இயற்கையும் அவற்றைச் சார்ந்ததே என்பது புலனாகும். இதனையே பொருள்நிகாரத்தில் முதல் பொருளாகக் கட்டியுள்ளார் தொல்காப்பியல். நிலமும் பொழுதும் மட்டுமன்றி கருப்பொருள் சிவவற்றையும் இயற்கைக்குள் உட்படுத்தலாம்.

சித்திரகூடபடயம்

கம்பராமாயணத்தின் அபொத்தியை காண்டத்தில் கைகேசி தாரதனீடம் பெற்ற வரத்தினால் இராமன் பட்டாபிஷேகம் துறந்து பதினான்கு ஆண்டுகள் காணகம் செய்வ தலாராகின்றான். அரண்பனையில் பிறந்து வளர்ந்த அவன் மனைவி சீதைவும் உடன் செய்வத் துணிகின்றான். தம்பி இயக்குவனும் இராமனுடன் செய்வத் தலாராகின்றான். மூவரும் அபொத்தியை விட்டு கங்கை ஆற்றைக் கடந்து குகனீடம் விடைபெற்று பர்த்துவார முனிவனைக் கண்டுத் திரும்பியபின் கண்ணுக்கும் மனதிற்கும் விருத்தனிக்கக் கூடிய பகையலான மனைப்படுதி திறைந்த அடர்த்த காண்ட அடையதாகச் சித்திரகூடபடயத்தில் கம்பர் காட்சிப் படுத்துகின்றார்.

இராமனும் சீதையும் அபொத்தியைப் பிழிந்துகாணகம் வந்தபொது இராமன் காட்டின் அழகையும் உயிர்க்கும் தம்புடன் கொண்டுள்ள அன்பையும் சீதைக்குக் காட்டிக் காட்டி அச்சப்பட வேண்டிய அவசியமில்லாமையை சீதைக்குத் தெளியப்படுத்துகின்றான். காட்டின் அழகிலும் அமைதியிலும் உள்மனத்தை ஈடுபடுத்த மனைவியைத் தயார் படுத்துகின்றான் இராமன். இயற்கை வகுணனையில் கூடாரம் கம்பனின் சித்திரகூடம். சீதைமய மட்டுமன்றி



ISSN: 2394-7535

நியூ எல்காரியின் உங்கள் முன்னம்
பக்கவாக்கமுதல் மாவியக்குடி (UGC) அங்கீகாரம்வற்ற மாதகைம்

யன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜ்வி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஓ.மிராட்சிஸ் கேதரின்

துறைத்தலைவர்

முனைவர் வே.முனோபா பவுலின் பேரி

முனைவர் செ.எ. ஜாட்சிராணி

தொழில்நுட்ப அறிவுறுப்பினர்



152. நற்றிணை காதலில் இயற்கை

முனைவர் ம. நுஸ்சுன் சேகர்,
உதவிப்பொருள் தர்த்துரை
நுஸ்சுன் சேகர்
நாடுவாரியம், திருச்சி, இந்தியா

ஆய்வுக் கருக்கம்

இயற்கை என்றால் மனிதமனதில் தொழுவது போன்ற வானம் கழறும் காற்று, காணாமலிருக்கும் கிராமம், மானையில் குவித்தரும் வெண்ணிலவு, குளிர்ச்சியானகடையகள்; விரிப்பைத் தரும் மனசுக்கும் மரங்களும் கூடப்பாட்டமில்லாமல் அமைதிவாக ஓடும் நதி, மணம் வீசும் மயற்கள் என இவற்றை புழங்கு பாடந் கவிஞர்கள் உள்பட.

இயல்பான இயற்கை மனித உதவியின்றி தானே தொழுவது எனலாம். இதைத் தொழுகாப்போம்

"நிலம் தீர் தீவனியிகெம்பொடுஈந்தும்
கைத்தமயக்கம் உலகம்" (தொல் மரபு - 90)

இவை ஈந்தும் இளைந்ததே உலகம் என்றுரைக்கிறது. இயற்கை என்பதற்கு "இலக்கணம், பான்மை, உயரம், வடிவம், நிலைமை, கொள்கை" எனப் பலப்பொருட்களைத் தருகிறது கழக அகராதி. கிதாவின் தற்காலத் தமிழ்நாடி இயற்கை என்பது "மனிதனால் உண்டாக்கப்படாமல் தானாகவே காணப்படும் சக்தி என்ற பொருள் தருகிறது. மொத்தத்தில் ஐம்பூதங்களின் ஒருங்கிணைப்பே இயற்கை.

ஒன்றுரை

கூடுகாய மனிதன் இந்த இயற்கையைத் தான் கடவுளாகக் கருதி வழிபட்டான். ஒளி தரும் சூரியன், மழை தரும் வானம், வாழ்க்கைக்கு உறுதுணைபுரிந்த பறவைவிலங்குகள் மற்றும் விலங்குகள் இவைவனைத்தையும் ஒரு சிறந்த ஆசானாகவும் கருதினான். அத்தகைய இயற்கையைக் காதுபோடு இளைத்துப் பாடிவுள்ளனர் சங்கப் புலவர்கள். சங்க இலக்கியங்களில் ஒன்றான நற்றிணைப் பாடல்களில் புலவர்கள் எவ்வாறு இயற்கையையும்; வகையையும் ஒன்றிணைத்துள்ளனர் என்பதைப் பாடிப்போம்

சங்க இலக்கியம் தரும் இயற்கை

தமிழின் தொன்மைகளையும் பெருமைகளையும் உலகிற்கு பறை சாற்றும் மிகப்பெரிய ஆதாரம் பாட்டும் தொகையுமாகிய சங்க இலக்கியங்களே. சங்க இலக்கியத்தில்; இயற்கை வருணனைகள் பல இடம்பெற்றுள்ளன. பருவகால நிலை மாற்றத்திற்கேற்ப மாற்றங்களை வைத்து கவி புனைத்துள்ளார்கள் இயற்கையின் போற்றலை உணர்ந்து அவற்றைப் பேணிப்பாது காத்தான். அத்தோடு நிற்காமல் அவற்றோடு நட்பும் தன்ஊரையும் பூண்டு மகிழ்ந்தான். "தீர்ந்தி அமையாது உலகு" (குறள்- 20) என்று தீர் வளத்தையும் பிற்பூதங்களின் அவசியத்தையும் உடிக் மகிழ்ந்தான். சங்க இலக்கியங்களின் கருத்தாழமும் தமிழர் பன்புதலங்களும் இயற்கையோடு இயைந்த வாழ்வு மூறையும் எண்ணி எண்ணி இன்புறத்தக்கதாக உள்ளது.

தீரும் நிலையின் ஆவரியமும்

"தீர்ந்தி அமையா யாக்கைக்கு எய்வாம்
உண்டுகொடுத்தோரே உயிர் கொடுத்தோரே
உணவுஎன்படுவது திரத்தொடுத்தோரே
தீரும் நிலையும் புனரியோர் ஈண்டு
உடம்பும் உயிரும் படைத்திரினோரே" (புறநானூறு - 18)

என்பாடல் ஐம்பூதங்களும் மாறுபடத்தின் தேவைக்கு பலப்பல வேண்டும் என்கிறது. நிலம் உடம்பு போன்றது. தீர் உயிர் போன்றது. "உடம்பால் அழியின் உயிரார் அழிவர்" என்ற நிகழ்வின் கருத்திற்கேற்ப நிலமாகிய உடமை அழியாது பாதுகாத்தல் வேண்டும். தீர் நிலைகளான உயிரையும் பாதுகாத்தல் வேண்டும். இவ்வாறு தீர்நிலைகளைப் பெருக்கிக் குளம் தொட்டு வளம் பெருக்கி சோளங்களையும்; வயல் வெளிகளையும் பெருக்கி வேளாண்மை அறிசெய்யவைக் கடைபிடித்தான். மக்களிடையே இயற்கையும் காதுதும் கவந்திருந்தன.



ISSN: 2394-7535

நியூ எல்காரியின் உங்கள் முன்னம்
பக்கவாக்கமுதல் மாவியக்குடி (UGC) அங்கீகாரம்வற்ற மாதகூதம்

யன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜ்லி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா.மிராந்திஸ் கேதரிஸ்

துறைத்தலைவர்

முனைவர் வே.முனோபா பவுலிஸ் பேரி

முனைவர் செ.வ. ஜாந்திராணி

தலைவர் ஜா.சுவாமியம்பாள்



ISSN: 2394-7535

நியூ, செங்காபியின் உங்கள் முன்னோர்
மக்களைக்கழக மாணியக்குடி (UGC) அங்கீகாரம்வற்ற மாதகூதம்

யன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜ்வி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா.பிரான்சிஸ் கோபின்
துறைத்தலைவர்

முனைவர் வே.முனோரா பவுலின் பேரி

முனைவர் செ.வ. சாந்திராணி

நிழை வி.சுவாமியம்பாள்



ISSN: 2394-7535

நியூ ஏசுக்கிரியின் உங்கள் முன்னணி
மக்களைக்கழக மானியக்குழு (UGC) அங்கீகாரம் பெற்ற மாதிரி

யன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
திறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

திறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜலி

திறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா.மிராட்சிஸ் கேதரின்
துறைத்தலைவர்

முனைவர் வே.முனோரா பவுலின் பேரி

முனைவர் செ.எ. சாந்திராணி

தொழில்நுட்ப அறிவுறுப்பினர்



143. பாரதிதாசன் பாடப்பொருளில் இயற்கை

முனைவர் மா.நே.அருண்மொழி தங்க, திருச்சூரம், திருச்சூரம் கல்வி, திருச்சூரம்

ஆய்வுக்கருக்கம்

இருபதாம் நூற்றாண்டின் சிறந்த கவிஞராக விளங்கியவர் பாரதிதாசன். இயற்கையில் மீது மீதம் ஒருபாடு கொண்டவர். மிக சிறந்த பாடப்பாணி தனக்கென்று தனிவாசனொரு பானதவை வந்தது கொண்டி. இத்தகைய தனித்தன்மையுடைய பாரதிதாசன் இயற்கை மீது பற்றுக் கொண்டு பாடிய பாட்களை ஆய்வில் கருப்பொருளாக கொண்டு எடுக்கப்பட்டுள்ளது. பாரதிதாசன் தன் பாட்களில் தீயா, மயா, மயி, மயி, மயி, மயி, உதயகுதியன், உழத்தி இவற்றை சமுதாய சித்தனையுடன், உழப்பவர்களுடன், குழந்தைகளுடன், தன்பக்களுடன் நிறம்பட பொருத்துகின்றார். பாரதிதாசன் பாடப்பொருளை இக்கட்டுறையில், கண்டிப்பாக

முன்னுரை

பாரதிதாசன் இயற்கையில் மீது மிகுந்த கிரஃபம் உடையவராகக் காணப்படுகிறார். இயற்கைப் பொருளில் மயா, தீயா, மயி, மயி, மயி, மயி, உதயகுதியன், உழத்தி, அனல், வாயம், உழத்தினை வெட்டி காட்சி போன்றவற்றை மிக நெத்திலாகப்பாடுகின்றார். ஒவ்வொன்றும் உயர்வாகக் கண்டிப்பாக இருக்கும் இயற்கை ஒருபாட்டை அழகாக எடுத்தியம்பி தான் ஒரு இயற்கைப் புலவர் என்பதை உணர்த்துகின்றார்.

தீயா

தீயானவை தவறு கவிதைகளில் அழகுற வருணிக்கின்றார். பய இடக்களில் தீயா பற்றியப் பாட்களைப் பாடுகின்றார்.

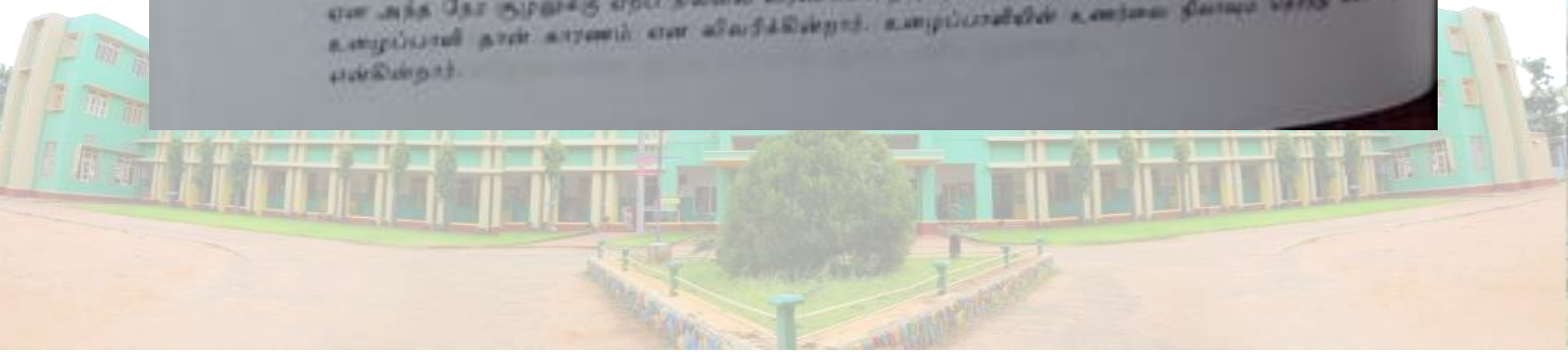
ஒருமையினா அழகுதினா
முனைத்ததுவிண் பெயலேஅது
பழையயினே புது தினையு
பாய்ந்தெழுந்தார் போல
அழகுமுகம் சிந்தித்தபொல்
அய்யினிந்த தாற்போல்- மேல்
கழறினரிந்தவெள்ளித்தட்டுத்
தொத்திடக்கிடத் தற்போல்" (இசையரமு - 5)

என்று தீயானவை வெள்ளித்தட்டுக்கு திராக வர்ணிக்கின்றார். புது உலகையகளைக் கடும் கவிஞர் குழந்தைகள் பாடும் போது "இருட்டில் குருட்டு விழிமைத் திறத்திட்ட வானவிளக்கு"என்கின்றார். தீயாப்பாட்டு என்று பாடல் வழியாக உலகிலேயும் விவாதிப்பேம் என்கின்றார்.

ஒரு முறை இரவு வேளையில் தன்பக்களுடன் தோளியில் பலனிக்கின்றார். உடையவா தன் கவி சிறந்த தீயானவைப் பற்றி அழகான கவிதை ஒன்றை எழுதியுள்ளார்.

"முத்துக்கடர் முகம் ஏனோ- இன்று
சுற்றும் சிவந்தது சொல்லாய்
இத்தனை கோபம் திரையே- உனக்கு
ஏற்றிபதார் என்று கேட்டோம்
உத்தரமாளையம் நெஞ்சில் -மதி
ஒன்று புலகற்றது கண்டி
சித்தம் துடித்தது தாங்கள் - பிண்டம்
திருப்பிப் பார்த்திட்ட போது
தோளிக் கவிதையை ஒர் ஆள் - இரு
தோள்கொண்டு இழுப்பது கண்டோம். (மாவழியாச் செவடி 43-58)

என அந்த கோ குழலுக்கு ஏற்ப தீயானவை வர்ணிக்கின்றார். தீயானவை முகம் சிவக்க தோளியில் கவிதை இரவு உழப்பாணி தான் காணும் என கவிவர்க்கின்றார். உழப்பாணியில் உணர்வை தீயாய் நென்று சொல்லி என்கின்றார்.



ISSN: 2394-7535

நியூ செஞ்சுரியின் உங்கள் நூலகம்
பல்கலைக்கழக மானியக்குழு (UGC) அங்கீகாரம் பெற்ற மாத இதழ்

பன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜசீலி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா.பிரான்சிஸ் கேதாரின்

துறைத்தலைவர்

முனைவர் வே.புளோரா பவுலின் மேரி

முனைவர் செ.எ. ஜான்சிராணி

நகமத் லூ.சுவாமியம்மாள்



146. சங்க இலக்கியங்களுள் நெய்தல் தாவரங்கள்

முனைவர் சி. ஆர்.சிமோன்
தமிழ்த்துறைத் தலைவர், (கடந்தி)
ஹோலிகிராமல் கல்லூரி
நாகர்கோவில், தமிழ்நாடு, இந்தியா.

ஆய்வுக்கருக்கம்

நிலைத்திணை என்பது மரம், செடி, கொடி, புற்கள் போன்றவற்றைக் குறிக்கும் ஒரு பெரும் உயிரினப் பிரிவாகும். இதனைத் தாவரம் என்று அழைக்கின்றோம். இவ்வகை உயிரினங்கள் ஒரிடத்திலிருந்து மற்றோர் இடத்திற்குத் தானே நகராமல் இருப்பதால் இதனை நிலத்திணை என்பர். சங்ககால மக்கள் இயற்கையோடு இரண்டறக் கலந்து வாழ்ந்தனர். தமிழரின் ஐவகை நிலங்களில் கடலும் கடல் சார்ந்த இடமும் நெய்தல் திணைக்குரிய மலர்களாக நெய்தல், அடம்ப, புன்னை, ஞாழல், தாழை ஆகியவையாகும். இம்மலர்களின் சிறப்புகள் இயற்கையின் அழகு, இயல்பு கூறுகளையும் நுணுக்கமாக ஆராயும் விதமாக இவ்வாய்வில் வெளிப்படுத்துவதே நோக்கமாகும்.

முன்னுரை

சங்ககால மக்கள் தங்கள் வாழ்க்கை தளங்களைக் குறித்து, முல்லை, மருதம், நெய்தல், பாலை என ஐவகை நிலங்களாகப் பாகுபாடு செய்து கொண்டு அந்தந்த நிலங்களின் பின் புலங்களுக்குத் தக்கவாறு தங்களது வாழ்க்கை முறைகளையும் தொழில்களையும் அமைத்துக் கொண்டுவாழ்ந்தனர். கடலும் கடல் சார்ந்த இடம் நெய்தல் திணையாகும் இந்நிலத்திலுள்ள தாவரங்களின் தன்மையும், சிறப்புகளையும் பற்றி இக்கட்டுரையில் காண்போம்.

நிலவாழ்ந்த தாவரங்கள்

தாவரம் என்பது இடம்விட்டு இடம் பெயராது நிலத்தன்மை கொண்டது, நிலத்திலோ, நீரிலோ வேர்விட்டு தண்டு, கிளை, இலைகளுடன் காணப்படும் என்று தமிழகராதி விளக்கம் அளிக்கிறது. நிலத்தாவரங்கள் கொடிவகை, மரம்வகை, செடிவகை, புதர்வகை, புல் வகை என ஐந்தாக பிரிக்கப்படுகின்றன. நெய்தல் நிலத் தாவரங்கள் கடற்கரையோரங்கள் உட்பங்கழிகளில் மிகுதியாக மலருகின்றன.

நெய்தல் பூ

நெய்தல் பூ கடற்கரை ஓரங்களில் மிகுதியாக மலரும் மலராகும். இதனை நன்னீர் மலர், உவர்நீர் மலர் என இருவகைப்படும். நன்னீர் மலரை நீர்திலைமலர், வயல்வெளி மலர் எனப் பகுப்பர்.

"நீன் நறுநெய்தல்" என்று குறிப்பிப்பாட்டு நன்னீர் மலரினை குறிப்பிடுகிறது.

"மணிக்குடைக் கள் கமழ் நெய்தல்". என்று வயல்வெளி மலரை குறிப்பிடுகிறது.

இம்மலர் பெரும்பாலும் கடற்கரைக் கழிகளில் வளரும் தாவரம். இம்மலர் கண்ணுக்கு உவமையாகக் காட்டப்படுகிறது. வைகறையில் மலரும் புல்லிய அலங்கு இதழ்களைக் கொண்டது. உட்பங்கழியில், நெய் வயலில் பூக்கும். நறுமணம் கொண்டது. தேள் மிகுந்தருக்கும் இம்மலர் பூத்திருக்கும் பகுதியை 'நெய்தல் படப்பை' என்பர் இதனை நானூறு உண்பது எருமை மேய்வது உண்டு. மாலையில் இம்மலர் கூம்பும் எனவும் புலவர்கள் குறிப்பிடுகின்றனர்.

"சிறுபாசடையசெப்பு ஊர் நெய்தல்

தென்னீர்மலரின்" (நற்றிணை 23: 7-8)

"கொண்டைக் கூழைத் தன்தழைக் கடைசியர்

சிறுமாண் நெய்தல் ஆம்பலொடுகட்கம்" (புறநானூறு 61: 1-2)

"மைபடுமலர்க்கழிமலர்ந்தநெய்தல்" (பதிற்றுப்பத்து 64:16)

"நீர்ச் செறுயின் நீன் நெய்தல்

பூச்சாம்பும் புலத்துஆங்கண்" (பட்டினப்பாலை 11-12)

"கள் கமழும் நறுநெய்தல்" (மதுரைக்காஞ்சி 250)

"வாழைவள்ளீதின் நறுநெய்தல்" (குறிஞ்சிப்பாட்டு 79)

போன்ற பாடல்களில் மூலம் நெய்தல் பூவின் சிறப்புகளை காணமுடிகிறது.

ISSN: 2394-7535

நியூ செஞ்சுரியின் உங்கள் நூலகம்
பல்கலைக்கழக மானியக்குழு (UGC) அங்கீகாரம் பெற்ற மாத இதழ்

பன்னாட்டுக் கருத்தரங்கம் - 2022
முதுகலைத் தமிழ்த்துறை
சிறப்பிதழ்: ஜெயராஜ் அன்னபாக்கியம் மகளிர் தன்னாட்சிக் கல்லூரி
பெரியகுளம் - 625 601, தேனி மாவட்டம்.

இலக்கியங்களில் இயற்கை

சிறப்பிதழ் ஆசிரியர்

Special Issues Editor

முனைவர் தே.ராஜசீலி

சிறப்பிதழ் துணை ஆசிரியர்கள்

Special Co-Editors

முனைவர் ஞா.பிரான்சிஸ் கேதாரின்

துறைத்தலைவர்

முனைவர் வே.புளோரா பவுலின் மேரி

முனைவர் செ.எ. ஜான்சிராணி

நாமத் லூ.சுவாமியம்மாள்



58. தமிழ் இலக்கியங்களில் வேளாண்மை

முனைவர் சா.டெய்சிபாய்
உதவிப் பேராசிரியர் தமிழ்த்துறை (கயறிதி)
ஹோலிகிறாஸ் கல்லூரி,
நாகர்கோவில். தமிழ்நாடு.இந்தியா.

ஆய்வுக் கருக்கம்

ஒரு நாடு முன்னேற வேண்டுமென்றால் கிராமங்கள் முன்னேற வேண்டும். நாட்டின் பொருளாதார வளர்ச்சிக்கு விவசாயம் முக்கியக் காரணமாகும். நம் நாட்டில் பெரும்பாலான கிராமங்கள் உழவுத் தொழிலை வாழ்க்கையின் ஆதாரமாகக் கொண்டுள்ளன. இதனை வலுவிட்டும் வகையில், 'உழவன் சேற்றில் கால் வைத்தால் தான் நாம் சேற்றில் கால் வைக்க முடியும்' என்ற பழமொழியும் வழங்கப்படுகிறது. உழவன் நிலத்தைச் சீர்செய்து செம்மைப்படுத்தி உழுது பயிர்செய்தால் தான் மனிதனின் அடிப்படைத் தேவையான உணவு கிடைக்கும். அப்படிப்பட்ட சிறப்புமிக்க வேளாண்மை குறித்தசெய்திகள் சங்க இலக்கியங்களில் காணமுடிகின்றன. எனவே தமிழ் இலக்கியங்களில் வேளாண்மை பற்றிய கருத்துக்களை ஆய்வதே இக்கட்டுரையின் நோக்கமாகும்.

முன்னுரை

ஒருநாட்டின் முன்னேற்றத்திற்கு அடிப்படை ஆதாரமாகத் திகழ்வது வேளாண்மை. வேளாண்மை செமிப்பாக இருந்தால் தான் அந்நாட்டின் பொருளாதார வளர்ச்சி மேம்படும். இவ்வுலகில் மனிதன் வளம் பெறவேண்டி செய்யும் அனைத்துத் தொழில்களும் தேடல்களும் விவசாயத்தை மையமாகக் கொண்டுள்ளன. இதனை,

"கழன்றும் ஏர்ப்பின்னது உலகம் அதனால்
உழுந்தும் உழவே தலை"

என்னும் குறள். வழி சுட்டிப் பாட்டியுள்ளார் வள்ளுவர். தமிழில் வேளாண்மையைக் குறிக்கப் பலசொற்கள் உள்ளன. 'உழவு'என்னும் சொல் உழைத்து வேலை செய்வதைக் குறிக்கிறது. பண்டைத் தமிழர் மேற்கொண்ட தொழில்களில் வேளாண்மை சிறப்பானதாகக் கருதப்பட்டது. பாண்டிய நாட்டுமக்கள் வேளாண்மையிலும் வணிகத்திலும் சிறப்புப் பெற்றிருந்ததை மதுரைக்காஞ்சி குறிப்பிடுகிறது. பாண்டிய மன்னன் தான் ஒரு கையில் கலப்பையையும் மற்றொரு கையில் சமன்செய்து சீர்தூக்கும் கோலையும் ஏந்தி மக்களைக் காத்தான் என்று சிலப்பதிகாரம் குறிப்பிடுகிறது. திருவள்ளுவர் வேளாண்மையின் பெருமைகளையும் உழவர்கள் ஆற்றும் பணிகளையும், வேளாண்மை முறைகளையும் விவரிக்க திருக்குறளில் ஒரு அதிகாரத்தை ஒதுக்கியிருப்பது வேளாண்மையின் பெருமைகளை உலகறியச் செய்கிறது.

வேளாண்மை

தமிழ் இலக்கியங்கள் வேளாளர், உழவர் ஆகியோர் வாழ்வு நெறிபற்றிப் பல பாடல்களில் குறிப்பிடுகின்றன. 'உழவர் உலகத்தார்க்கு ஆணியே' என்பர். உழவர்கள் தம் கலப்பையை நம்பி இருந்தனர். அறுவடை செய்யப்பட்ட நெல் மலைபோல் குவித்துவைக்கப்பட்டிருந்தன. என்று நற்றிணைக் குறிப்பிடுகிறது.

"மலை கண்டன்ன நிலைபுணர் நிலப்பின்
பெரு நெற் பல்கூட்டு எருடை உழவ"²

வளமான மண்ணுக்கு அளவான நீர் இன்றியமையாததாகும். "ஆடிப்பட்டம் தேடிவிதை" என்ற பழமொழிக்கு ஏற்ப உழவர்கள் பெருமழை பெய்த விடியற்காலத்தில் தம் நிலத்தைக் கலப்பைகளால் மண் கீழ் மேலாக மாறும்படி உழுதனர். மீண்டும் மழை பொழியவே மழையால் நிலம் எங்கும் நன்கு ஈரம் படிந்ததனால் மறுபடியும் உழுதனர். உழுதசூலில் அவர்கள் விதைகள் ஒன்றுக்குப் பலவாக முளைத்து நாற்றுக்களாக நின்றன. இதனை அகநானூற்றில்,

"பேர்உறை தலைஇய பொரும்புலவர் வைகறை
ஏர்இடம் படுத்த இருமறுப் பூழிப்
புறம்மாறு பெற்றபூவல் ஈரத்து
ஊன் இழித் தன்னசெஞ்சுவில் நெடுஞ்சால்
வித்திய மருங்கின் விதை பலநாறி"³

இப்பாடலின் முலம் பண்டைத் தமிழ்மக்கள் வேளாண் செய்தமுறையைப் பற்றி நாம் அறிந்துகொள்ள முடிகின்றது.



Source details

NeuroQuantology

Scopus coverage years: from 2007 to 2022
(coverage discontinued in Scopus)

Publisher: Anka Publishers

ISSN: 1303-5150

Subject area: Physics and Astronomy: Atomic and Molecular Physics, and Optics Neuroscience: Cognitive Neuroscience
Neuroscience: Developmental Neuroscience

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2021 ⓘ
1.3

SJR 2021 ⓘ
0.285

SNIP 2022 ⓘ
0.380

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. [Learn more >](#)

CiteScore 2021 ▼

$$1.3 = \frac{1,044 \text{ Citations 2018 - 2021}}{781 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScore rank 2021 ⓘ

Category	Rank	Percentile
Physics and Astronomy	#160/205	22nd
└ Atomic and Molecular Physics, and Optics		
Neuroscience	#85/107	21st
└ Cognitive Neuroscience		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



Home For Authors Copyright Archives Special Issue Editorial Board Contact Us Submit Manuscript

Welcome to
Neuroquantology
NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective.

PUBLISH WITH US →

Journal Cover



NeuroQuantology

Quantum Physics and its Relation to the Nervous System

Atomic and Molecular Physics, and Optics

Q3

SJR 2021 0.29

powered by scimaggr.com

0.453 Impact Factor	34% Acceptance Rate	7 days Submission to final decision	30 days Submission to publication
------------------------	------------------------	--	--------------------------------------

About the Journal

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective. NeuroQuantology is published monthly.

NeuroQuantology aims to promote scientific dialogue and collaboration among researchers, practitioners, and scholars in the fields of neuroscience, quantum physics, psychology, philosophy, and related disciplines. The journal welcomes empirical, theoretical, and methodological contributions that enhance our understanding of the mind-brain relationship and the fundamental principles of quantum mechanics that apply to the study of cognition and behavior.

Some of the key topics covered in NeuroQuantology include quantum information processing in the brain, quantum coherence and entanglement in neural networks, quantum-inspired models of brain function, quantum-inspired models of perception and decision making, quantum consciousness, and the philosophical and ethical implications of quantum approaches to neuroscience.

NeuroQuantology is committed to providing high-quality, rigorous, and timely peer review and publication services to authors worldwide. The journal operates on a continuous publishing model, with accepted articles

Submit Manuscript

Submit manuscript at [Online Article Submission](#) page or send as an e-mail attachment to the Editorial Office at submissions@neuroquantology.com

Table of Contents

[View Archives](#)

SUBMIT PAPER

Indexed In

> indexing

Useful Links

> Author instruction

> Publication Ethics

> Open Access Statement

Recently Published Articles

<p>UTILIZING MACHINE LEARNING TECHNIQUES FOR CYBER ATTACK DETECTION IN NETWORKS</p> <p>Dr. J. Jeyaraj, Dr. M. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>	<p>ENHANCING HOSPITAL DATA SECURITY WITH BLOCKCHAIN AND AI INTEGRATION</p> <p>Dr. S. Suresh Kumar, Dr. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>	<p>DYNAMIC ROAD DIVIDER FOR ENHANCED VEHICULAR TRAFFIC MANAGEMENT</p> <p>Dr. S. Suresh Kumar, Dr. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>
<p>DYNAMIC PERFORMANCE ENHANCEMENT OF SINGLE-PHASE CASCADED H-BRIDGE MULTILEVEL INVERTER USING A NOVEL CONTROLLER</p> <p>Dr. S. Suresh Kumar, Dr. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>	<p>IDENTIFYING FAKE ACCOUNTS ON SOCIAL MEDIA THROUGH ARTIFICIAL NEURAL NETWORKS</p> <p>Dr. S. Suresh Kumar, Dr. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>	<p>EXPLORING THE INFLUENCE OF BAGASSE ASH, STEEL FIBERS, AND POLYPROPYLENE FIBERS ON THE MECHANICAL PROPERTIES OF CONCRETE</p> <p>Dr. S. Suresh Kumar, Dr. Suresh Kumar, Dr. S. Suresh Kumar, Dr. S. Suresh Kumar</p> <p>PDF Read Article</p>





HISTORICAL MONUMENTS IN KANYAKUMARI DISTRICT A STUDY

Dr. S. Mary Judit

Assistant Professor in History

Holy Cross College (Autonomous), Nagercoil.

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627 012)

DOI Number: 10.48047/nq.2022.20.11.NQ66891

NeuroQuantology 2022; 20(11): 8928-8931

The aim of this study is to highlight the historical importance of monuments in Kanyakumari district. The object of this study is to describing historical values of Hindu temples Muslim tombs and Christian churches. In English the word monumental is often used in reference to something of extraordinary size and power as in monumental sculpture, but also mean simply anything made to commemorate the dead as a funerary monument or other example of funerary art. The word comes from the Latin monere which means to remind or to warn. The term is often used to describe any structure that is a significant and legally protected historic work. Monuments are quiet testimonials of its past glory of any countries of politics socio, cultural and historical validity. By the way of its importance of heritage it attracts more number of domestic and international tourist. Usually monuments like temples forts and dwelling places provide information about the people of the past. Though the natives of Kanyakumari region were originally Hindus in due course transition and transformations crept in when Christianity, Islam and other religious penetrated into it. They have left with us numerous remnants and monuments of various nature in the form of buildings and architecture.

Kanyakumari District is the Lands end of India situated on the Southernmost tip of the Indian Peninsula.¹ The total area of the eISSN1303-5150

district was ruled by the Ays. Early Pandyas, Later Cholas, Venadrulers² (1225 – 1950), Kanyakumari District is Primarily land of temples. There are four hundred and ninety prodigious temples.³ The notable centers of Siva worship are many in the district.⁴ Thanumalayaswami temple is situated at Suchindram Village about twelve kilometers north of Kanyakumari and seven kilometers south of Nagercoil. The present structure of the temple is the work of a number of persons spread over a number of centuries and is one of the best specimens and a store house of the Dravidian style of art and architecture.⁵ One hundred and twenty three inscriptions of this place narrate a lot about this chadurvedimangalam its evolution and development. The king of almost all dynasties of the south had viewed with each other to commemorate their association with the 125 meters long and 72 meters wide main temple by constructing halls and arranging for the conduct of special Pujas in their name.⁶ The temple is a store house of varied types of sculptures. The well Polished sculptures of Garudalvar, ThirumalaiNayak, the musical pillars, the two Travancore kings, Navagraha images. On the base of the Gopura are all very fine pieces of art.

Thirumalai Mahadevar temple is situated at a distance of about six miles south of Kulithurai in Vilavancode Taluk.⁷ It is located on the top of a petty rock elevation

www.neuroquantology.com





Scopus Preview



Source details

Gradiva

Years currently covered by Scopus: from 2002 to 2012, from 2017 to 2024

Publisher: Gradiva

ISSN: 0363-8057

Subject area: Arts and Humanities: Literature and Literary Theory

Source type: Journal

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

CiteScore 2023
0.0

SJR 2023
0.100

SNIP 2023
0.000

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

CiteScore 2023 ▾

0.0 = $\frac{0 \text{ Citations } 2020 - 2023}{96 \text{ Documents } 2020 - 2023}$

Calculated on 05 May, 2024

CiteScoreTracker 2024 ⓘ

0.0 = $\frac{0 \text{ Citations to date}}{107 \text{ Documents to date}}$

Last updated on 08 July, 2024 - Updated monthly

CiteScore rank 2023 ⓘ

Category	Rank	Percentile
Arts and Humanities		
└ Literature and Literary Theory	#1055/1106	2nd

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ⓘ](#)





Welcome To Gradiva Journal(Issn No : 0363-8057)



Journal information

Submit Paper To - submit@gradivajournal@gmail.com

Scopus link : <https://www.scopus.com/sourceid/162007154720>

Scopus Active And Up: Core Group 3 Journal

A Multidisciplinary Journal

We Will publish your paper within 48hrs

Acceptance Status - 1-2days

Journal Assistant 



Challenges of Students in Online Classes

By
Ms. Arul Vallarasi. S.,
Assistant Professor of Computer Applications,
St. Xavier's College (Autonomous),
Palayamkottai.
Dr. Josephine, S.,
Assistant Professor of Physical Education,
St. Ignatius College of Education (Autonomous),
Palayamkottai.
Dr. G. Pushparaj,
Assistant Professor of History,
Muslim Arts College,
Thiruvithancode.
and
Dr. Regi. S.
Assistant Professor of History,
Holy Cross College (Autonomous),
Nagercoil.

Abstract

Online education is a modality of teaching that has proliferated throughout higher education institutions in India because of Covid-19. As the spread of Covid-19 was fast during the early months of 2020, all the educational institutions in India including schools, colleges and universities were closed without mentioning the reopening date. Therefore online classes were the only choice, as the education of the children should not be impacted. Though online classes were continued, it opened new vistas of discussion about the challenges of online education including the availability of electronic gadgets, network and the health of children, students and even teachers. With this article an attempt has been made to study the challenges faced by the students.

Keywords: Covid-19, virus, pandemic, lockdown, education, students, difficulties, network, health issues, stress.

Introduction:

The history of the world faced many occurrences of epidemics and pandemics. The most noted pandemics of the chronicles of the world are the plagues, the small pox, the Black Death, the cholera and the flu pandemics. The latest inclusion in this list is Covid-19.¹ Covid-19 was declared as a pandemic by the World Health Organization on 11 March 2020. This was caused by the SARS-Cov-2 popularly known as Corona Virus-2. It was first diagnosed in the Wuhan District of China in late November or early December of 2019. Therefore it was popularly



The power of the Web of Science™ on your mobile device, wherever inspiration strikes. Dismiss Learn More

Already have a manuscript? Use our Manuscript Matcher to find the best relevant journals! Find a Match

Refine Your Search Results

Journal of Natural Remedies Search

Sort By: Relevancy

Search Results

Found 480 results (Page 1) Share These Results

- Filters Clear All Web of Science Coverage Open Access Category Country / Region Language Frequency Journal Citation Reports

Exact Match Found

JOURNAL OF NATURAL REMEDIES Publisher: INFORMATICS PUBL LTD, NO 194, R V Road, P B NO 400, Basavanagudi, Bangalore, India, Karnataka, 560004 ISSN / eISSN: 0972-5547 / 2320-3358 Additional Web of Science Indexes: Biological Abstracts | BIOSIS Previews Share This Journal View profile page * Requires free login.

Other Possible Matches

ANALES DEL MUSEO DE HISTORIA NATURAL DE VALPARAISO





Journal of Natural Remedies


Online ISSN : 2320-3358
Print ISSN : 0972-5547

Publishers
Informatics Publishing Limited & Natural Remedies Pvt.Ltd.

Register Login

HOME ABOUT THE JOURNAL CURRENT ARCHIVES ARTICLE PROCESSING CHARGE EDITORIAL TEAM Q SEARCH

ONLINE FIRST CONTACT

 Journal will be published Monthly from Vol.24, 2024



Editor-in-Chief: Dr. M. K. Mohan Maruga Raja

Online ISSN: 2320-3358

Print ISSN: 0972-5547

Frequency: Monthly

Publishers: Informatics Publishing Limited, Natural Remedies Pvt. Ltd.

Nature can provide all the remedies, for all. All substances produced by nature can be recognized; all cells talk the same language as we all are from the same mother cell. *Journal of Natural Remedies* is devoted toward the understandings of all remedies from nature.

Journal of Natural Remedies started in 2001 and publishes original articles related to utilisation of any natural source for remedy including bioactive natural products. Studies related to the resources, chemistry (including analytical), biological activity, biotechnology and pharmacology (including toxicology) of archaea, bacteria, protistas, fungi, plants, animals, viruses and minerals fall within the journal's scope.

The journal welcomes investigations on products related to traditional system of medicines (Ayurveda, Siddha, Unani, Traditional Chinese Medicine (TCM) and other systems of past and present cultures), Complementary and Alternative Medicines (CAM), homeopathy, indigenous remedies, folklore medicines and functional foods.

Journal of Natural Remedies (JNR) is an Open Access, DoubleBlind Peer Reviewed, and Monthly Journal. All submitted Manuscripts are first subjected to Plagiarism check using CrossCheck iThenticate. The published articles will be allocated a DOI (Digital object Identifier) Number. Articles in the below mentioned categories will be considered:

- Review Articles
- Short Review
- Research Articles
- Case Report
- Short Communication

The journal is Indexed in Scopus, H Index 24, Web of Science BIOSIS Previews, EMBASE, U. S. National Library of Medicine, UGC-CARE List Group II, CABI, AYUSH Research Portal, Journal Seek, SCILIT, Crossref, Academic

 Submit a Manuscript

AUTHORS CORNER

Aims & Scope

Instructions to Authors

Article Processing Charge

Abstracting/Indexing

Journal Policies and Ethics

CrossMark Policy

Information for Reviewers

Submission Process

Pre-submission Checklist

TEMPLATE

 Article Template

EDITORIAL TEAM

Editor-in-Chief



Dr. M. K. Mohan Maruga Raja
Associate Professor, Farul
University, Vadodra, Gujarat

[Read More](#)

	JNROnline Journal ISSN: 2320-3358 (e) ISSN: 0972-5547 (p)	Journal of Natural Remedies Vol. 21, No. 3, (2020), pp.100-105
---	---	---

TRACKING THE CHRONOLOGY OF EPIDEMICS AND PANDEMICS

Arul Vallarasi. S

Guest Lecturer, SOEL,

The Tamilnadu Dr. Ambedkar Law University, Chennai.

and

Dr. Regi. S

Assistant Professor of History, Holy Cross College (Autonomous), Nagercoil.

ABSTRACT

As human spread across the world, infectious and contagious diseases are inevitable. Even from the prehistoric era there were some evidences for the occurrence of epidemics and pandemics. In the modern era, the fastest developments in transport and science and technologies transformed the world into a global village. Therefore, there are constant outbreaks of epidemics and pandemics in the modern era. Covid-19 is one such pandemic. In this situation the researchers have taken a step to narrate the occurrence of important or deadly pandemics of the world on a chronological basis. Though there were references of the occurrence of pandemics in the pre-historic era, stress has been given to the pandemics from 1 A.D. onwards.

Key words: Epidemics, pandemics, virus, bacteria, out-break, pathogen, China, flu, plague, and Yersinia pestis.

I. INTRODUCTION

An outbreak of a disease at a larger scale in a particular region is called as epidemic. If it spreads to a larger area it is known as pandemic. If a disease is a communicable disease then only it will become an epidemic or pandemic. In the human history there were records of occurrences of pandemics. The spread of pandemic has happened in many phases. Most of the times epidemics or pandemics occurred because of the transmission of the pathogen, disease causing virus or bacteria, from animals to human. When the pathogen spreads from human to human it becomes an outbreak. When it spreads to many people and confined in a same community or a particular locality it becomes an epidemic. When it spreads to larger area or a larger community, it would be called as pandemic. In the written history of the human past there were many references of the occurrence of epidemics and pandemics. In this article we are going to learn about the chronological occurrences of the epidemics and pandemics as it was referred in the chronicles of the world.

1. Prehistoric Epidemic of China: Circa 3000 B.C.

The first ever known epidemic was the prehistoric epidemic of 3000 B.C. It was considered that it affected China. It was said so that there were lots of bones found in an archeological site at Hamian Mangha in northeastern China. Another archeological site named Miaozigou is also excavated with mass burial. This proved that there might be an epidemic which devastated the entire north eastern part of China.

2. Ancient Plagues and other epidemics

The most threatening word in the history of epidemics and pandemics was plague. In Greek plague means strike or blow. The disastrous disease of plague was caused by a bacteria called as Yersinia pestis. There are three forms of plagues they are pneumonic, septicemic and bubonic. Apart from plague smallpox was also considered as a life threatening epidemic during the ancient times. With the invention of the vaccination for smallpox this greater health menace was eradicated.

2.1. Plague of Athens: 430 B.C.



SAVITRIBAI PHULE PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

4/15/24, 4:59 PM Journal

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME ABOUT FOR AUTHORS ETHICS & DISCLOSURES ALL VOLUMES & ISSUES CONT

HOME » JOURNAL » **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan



SOCIAL IMPACT OF WOMEN EMPOWERMENT

Athira M.P., Ph.D Research Scholar, Register No.22113041082004, Research Centre of History, Holy Cross College (Autonomous), Nagercoil.

Dr. Lekha. D (Supervisor), Head and Associate Professor of History, Sree Ayyappa College for women Chunkankadai, Nagercoil.

Dr K.S. Soumya (Joint Supervisor), Assistant Professor of History, Holy Cross College (Autonomous), Nagercoil.

Abstract

Women's Economic participation and empowerment are fundamental to strengthening women's right and enabling them to have control over their lives and exert influence in society. History of human society reveals that in no society of the world have women enjoyed absolute equality on par with men. Gender equality and empowered women are catalysts for multiplying development efforts. Government of India has enacted various rules and regulations within the constitutional frame work to improve female representation in different professions. Economic empowerment is one of the most powerful routes for women to achieve their potential and advance their rights. Women contribute more to their families, societies, and national economies.

Keywords: Empowerment - Economic - Political - Empowerment of Women.

Introduction

Empowerment has become the key solution to many social problems like high population growth rates, environment degradation, and low status of women. Women empowerment enables autonomy and control over their lives. The empowered women become agents of their own development, able to exercise choices to set their own agenda and be strong enough to challenge and change their subordinate position in the society. In order to achieve this, emphasis should be on formulation of appropriate organization for women to facilitate communication, learning and organized action. Empowerment is individual's self-esteem and collective mobilization for challenging basic power relations like social injustice and mobilization of resources. Empowerment in the Indian context means the development of women's capacity to make informed choices and expansion of their capacity to manage their domestic and economic environment efficiently. Women contribute more to their families, societies, and national economies. It has been in their children, providing a route to sustainable development.

Concept of Empowerment

The term empowerment of women is an important popular concept among political spectrum. Empowerment through the expansion of the civil, political and social rights of citizenship is a laborious and unexciting process. Empowerment is only effective answer to oppression, exploitation, injustice, and other maladies of society. The idea of empowerment contains exciting possibilities. The focus on empowerment has given a new emphasis to the building of economic and social capabilities among individual, classes and communities. It is theories of social change in particular, a



SAVITRIBAI PHULE PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

4/15/24, 4:59 PM

Journal

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME -> ABOUT -> FOR AUTHORS ETHICS & DISCLOSURES -> ALL VOLUMES & ISSUES CONT

HOME » JOURNAL » **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan

Kanpur Philosophers

ISSN 2348-8301

*International Journal of humanities, Law and Social Sciences
Published biannually by New Archaeological & Geological Society*

Kanpur India



Vol. IX, Issue II No.5 : 2022

THE CURRENT ECOLOGICAL CRISIS

T. Santhiya, Research Scholar, Department of Economics & Research Centre, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundararnar University, Tirunelveli, Tamil Nadu, India.

Dr. S. Jeni Sanjana Assistant Professor, Department of Economics & Research Centre, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundararnar University, Tirunelveli, Tamil Nadu, India.

Abstract

By the twenty-first century, mankind has fallen into global ecological crises. Ecological is the relationship between living things and the environment. Without human activities, such a level of loss would have taken thousands of years. Wild animals now account for just 4% of all mammals worldwide – the remaining 96% are humans and agricultural livestock. We are now experiencing an ecological crisis. Awareness of this environmental crisis has grown since the 1970s. Humans cannot continue to violate the fundamental laws of nature.

Key words: Global, Ecological crises, Environment, Humans and nature.

1. Introduction

Today the world is facing a double crisis, the economic crisis and the ecological crisis. Global ecological crises appear at the macro-level (society, mankind, and politics). The field of ecology includes life processes, adoptions, interactions as well as the movement of energy and materials through living communities. Ecological relating to or concerned with the relation of living organisms to one another and to their physical surroundings. Since the industrial revolution, human activities have increasingly destroyed and degraded forests, grasslands, wetlands and other important ecosystems, threatening human well-being.

1.1.1 Statement Of Problem

In the current context, economic and environmental problems remain unresolved and are increasingly deepening. The term ecological crisis is often applied to environmental issues caused by human civilizations such as the climate crisis, biodiversity loss and plastic pollution which have emerged as major global challenges during the first few decades of the 21st century. The ecological crisis, threatens the human race. The ecological crisis and its associated problems in the social, cultural, political, and economic spheres.

1.1.2 Objectives

- To study about the current ecological crisis.
- To find out the causes and effects of current ecological crisis.



SAVITRIBAI PHULE PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

4/15/24, 4:59 PM Journal

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME ABOUT FOR AUTHORS ETHICS & DISCLOSURES ALL VOLUMES & ISSUES CONTACT

HOME » JOURNAL » **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan

Kanpur Philosophers
ISSN 2348-8301

International Journal of humanities, Law and Social Sciences
Published biannually by New Archaeological & Genological Society
Kanpur India



Vol. IX, Issue II, No.4 : 2022

AN ECONOMIC STUDY ON FLOWER VENDORS OF THOVALAI VILLAGE IN KANNIYAKUMAR DISTRICT

Dr. S. Vimal Dolli Assistant Professor, Department of Economics, Holy Cross College
(Autonomous), Nagercoil.

Dr. A. Sameema, Assistant Professor, Department of Economics, Holy Cross College
(Autonomous), Nagercoil.

Abstract

Flowers have a definite role to play at almost all occasions of human affairs like birth, marriage, worship, adornments and death. Besides flowers, other ornamental plants also play an important role in environmental planning of urban and rural areas and from wasteland development to overcoming pollution. An important aspect of floriculture is that it is a good avenue to generate gainful employment for youth and women of peri-urban and rural areas. The present study embodies “An Economic Study on Flower Vendors of Thovalai Village in Kanniyakumari District” by witnessing the characteristics of the vending workforce in unorganized sector their living conditions are poor and they spend their life in open air here there is a hot sun or rain. Many retail outlets are coming to compete with this poor helpless workforce. So, studying socio economic status and suggesting measures to improve their status is so significant and the researcher sees this as the most significant researchable problem.

Introduction

Flower have been an integral part of India's rich culture and heritage and are being used on all occasion for countries their use particularly for religion and offering is on the raise in recent years. This has led to the appreciation of flowers not only for their aesthetic value but also for their economic importance. The huge demand for flowers has led to expansion of cultivated area for meeting market need. Flowers are being used not only for religious and festival celebrations but also in loose strings, garland and in bouquets and decorations to symbolize different moods and emotions. Today no occasion is complete without flower arrangements and decorations. The uses of flowers have come a long way to reach the present status and still have a very promising future ahead.

Flowers cut from the plants by retaining long stalk which could be readily used in fresh flowers arrangements are termed as cut flowers. Modern day floriculture relates more to the production of high value cut flowers crops such as roses gladiolus, carnation, orchids, lilium, gebera and anthuriums. The use of cut flowers as decorative items in offices, show rooms , hotels etc. has been increasing over the year.

History of Traditional Flowers

India has a long traditional of floriculture as reference to traditional flowers and gardens are found in ancient Sanskrit classics like the rig veda (c3000-2000 BC), Ramayana (C1200-1300BC), Mahabharata (prior to 4th century BC), Shudraka (100BC), Ashvagodha (C100 AD), Kalidasa (C400 AD) and Sarangdhara (C1200 AD). The social and economic aspects of flowers growing were, however recognized much later. The offering and exchange of flowers on social occasions. In places of worship and their use for hair adornment by women and for home decoration have become an integral part of



Source details

Central European Management Journal

Formerly known as: [Journal of Management and Business Administration, Central Europe](#)

[Open Access](#) ⓘ

Scopus coverage years: from 2020 to Present

Publisher: Emerald Publishing

ISSN: 2658-0845 E-ISSN: 2658-2430

Subject area: [Social Sciences: Political Science and International Relations](#) [Social Sciences: Sociology and Political Science](#)
[Business, Management and Accounting: Business, Management and Accounting \(miscellaneous\)](#)
[Psychology: Social Psychology](#)

CiteScore 2022
1.4 ⓘ

SJR 2022
0.219 ⓘ

SNIP 2022
0.377 ⓘ

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ⓘ

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▾

$$1.4 = \frac{134 \text{ Citations 2019 - 2022}}{95 \text{ Documents 2019 - 2022}}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$2.2 = \frac{257 \text{ Citations to date}}{115 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
└ Political Science and International Relations	#263/652	59th
Social Sciences		
└ Sociology and Political Science	#622/1415	56th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Filters

Clear All

- Web of Science Coverage
- Open Access
- Category
- Country / Region
- Language
- Frequency
- Journal Citation Reports

Refine Your Search Results

Central European Management Journal

Search

Sort By: Relevancy

Search Results

Found 1,623 results (Page 1) Share These Results

Exact Match Found

CENTRAL EUROPEAN MANAGEMENT JOURNAL OPEN ACCESS

Publisher: EMERALD GROUP PUBLISHING LTD , Floor 5, Northspring 21-23 Wellington Street, Leeds, England, W YORKSHIRE, LS1 4DL

ISSN / eISSN: 2658-0845 / 2658-2430

Web of Science Core Collection: Emerging Sources Citation Index

Share This Journal View profile page

** Requires free login.*

Other Possible Matches

CENTRAL AND EASTERN EUROPEAN MIGRATION REVIEW OPEN ACCESS

Publisher: CENTRE MIGRATION RESEARCH, UNIV WARSAW, POLISH ACADE SCIENCES , PASTEUR A 7, WARSAW, POLAND, 02093

ISSN / eISSN: 2300-1682



Home > Find a journal > Central European Management Journal

Central European Management Journal

[Submit your paper](#)

[Table of contents](#)

- [Author guidelines](#) 
- [Editorial team](#) 
- [Indexing & metrics](#) 
- [Calls for papers & news](#) 

The Central European Management Journal is an academic, peer-reviewed journal covering all aspects of management in both public and private sector institutions. The journal is published by Emerald on behalf of Kozminski University.

ISSN: 2658-0845
eISSN: 2658-2430

 This journal is open access



DOAJ

Scopus[®]

Journal Owners



Aims and scope

Central European Management Journal (CEMJ) publishes peer-reviewed research that focuses on all aspects of management, covering all from the nature of management itself to the impact management has within organisations. Articles may be interdisciplinary, as authors may base their studies of management within fields such as **economics, law, psychology, literature, and sociology**. CEMJ aims to, through its published research, facilitate a better understanding of

We are using cookies to give you the best experience on our website.

[UPDATE PRIVACY SETTINGS](#)



**A STUDY ON PSYCHOLOGY AND MEMORIES OF THE PEOPLE IN NAGERCOIL
TOWN**

Dr.S.Jeni Sanjana

Assistant Professor in Economics. Holy Cross College, (Autonomous) Nagercoil. Tamilnadu,
India.

Neil Beeto Jerrin

Research Scholar, Department of English, School of Social Sciences and Languages, Vellore
Institute of Technology, Chennai, Tamilnadu, India.

INTRODUCTION

Past life regression is a method that uses hypnosis to recover what practitioners believe are memories of past lives or incarnations. The practice is widely considered discredited and unscientific by medical practitioners, and experts generally regard claims of recovered memories of past lives as fantasies or delusions or a type of confabulation. Past-life regression is typically undertaken either in pursuit of a spiritual experience, or in a psychotherapeutic setting. Most advocates loosely adhere to beliefs about reincarnation,^[2] though religious traditions that incorporate reincarnation generally do not include the idea of repressed memories of past lives.

Memory

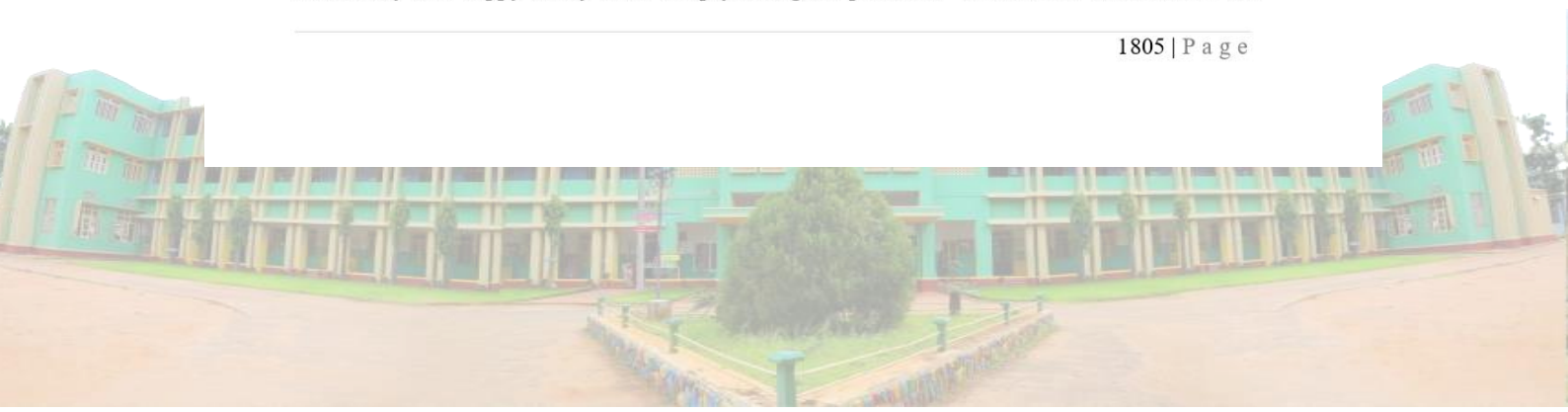
Memory is the way in which we record the past and later refer to it so that it may affect the present. It is hard to think of humans without this capacity. The more we can evaluate, understand, train, and strengthen our relationship with the mind, the more successfully we navigate our lives and overcome challenges.

PSYCHOLOGICAL BACKGROUND

Psychology is the science of mind, sometimes as the science of behaviour, i.e., how and why organisms do what they do. For example, why do birds sing and why do we remember how to ride a bicycle twenty years after the last try. All of these are behaviours, and psychology is the science that studies them all. The technique used during past-life regression involves the subject answering a series of questions while hypnotized to reveal identity and events of alleged past lives, a method similar to that used in recovered memory therapy and one that, similarly, often misrepresents memory as a faithful recording of previous events rather than a constructed set of recollections. The use of hypnosis and suggestive questions can tend to leave the subject particularly likely to hold distorted or false memories. The source of the memories is more likely cryptomnesia and confabulations that combine experiences, knowledge, imagination and suggestion or guidance from the hypnotist than recall of a previous existence. Once created, those memories are indistinguishable from memories based on events that occurred during the subject's life. Investigations of memories reported during past-life regression have revealed that they contain historical inaccuracies which originate from common beliefs about history, modern popular culture, or books that discuss historical events. Experiments with subjects undergoing past-life regression indicate that a belief in reincarnation and suggestions by the hypnotist are the two most important factors regarding the contents of memories reported.

STATEMENT OF THE PROBLEM

Nagercoil is the place for good education and better climate. People in Nagercoil are some what safety and happy ,They have the psychological problems and several memories in the





Source details

Central European Management Journal

Formerly known as: [Journal of Management and Business Administration, Central Europe](#)

Open Access ⓘ

Scopus coverage years: from 2020 to Present

Publisher: Emerald Publishing

ISSN: 2658-0845 E-ISSN: 2658-2430

Subject area: [Social Sciences: Political Science and International Relations](#) [Social Sciences: Sociology and Political Science](#)
[Business, Management and Accounting: Business, Management and Accounting \(miscellaneous\)](#)
[Psychology: Social Psychology](#)

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022 **1.4** ⓘ

SJR 2022 **0.219** ⓘ

SNIP 2022 **0.377** ⓘ

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ⓘ

CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore **2022** ▾

$$1.4 = \frac{134 \text{ Citations } 2019 - 2022}{95 \text{ Documents } 2019 - 2022}$$

Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ

$$2.2 = \frac{257 \text{ Citations to date}}{115 \text{ Documents to date}}$$

Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
Political Science and International Relations	#263/652	59th
Social Sciences		
Sociology and Political Science	#622/1415	56th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Refine Your Search Results

Central European Management Journal

Search

Sort By: Relevancy

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Search Results

Found 1,623 results (Page 1)

Share These Results

Exact Match Found

CENTRAL EUROPEAN MANAGEMENT JOURNAL

OPEN ACCESS

Publisher: EMERALD GROUP PUBLISHING LTD, Floor 5, Northspring 21-23 Wellington Street, Leeds, England, W YORKSHIRE, LS1 4DL

ISSN / eISSN: 2658-0845 / 2658-2430

Web of Science Core Collection: Emerging Sources Citation Index

Share This Journal

View profile page

* Requires free login.

Other Possible Matches

CENTRAL AND EASTERN EUROPEAN MIGRATION REVIEW

OPEN ACCESS

Publisher: CENTRE MIGRATION RESEARCH, UNIV WARSAW, POLISH ACADE SCIENCES, PASTEUR 7, WARSAW, POLAND, 02093

ISSN / eISSN: 2300-1682







Home > Find a journal > Central European Management Journal

Central European Management Journal

[Submit your paper](#)

[Table of contents](#)

- [Author guidelines](#) 
- [Editorial team](#) 
- [Indexing & metrics](#) 
- [Calls for papers & news](#) 

The Central European Management Journal is an academic, peer-reviewed journal covering all aspects of management in both public and private sector institutions. The journal is published by Emerald on behalf of Kozminski University.

ISSN: 2658-0845
eISSN: 2658-2430

 This journal is open access



DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

Scopus[®]

Journal Owners



KOZMINSKI UNIVERSITY

Aims and scope

Central European Management Journal (CEMJ) publishes peer-reviewed research that focuses on all aspects of management, covering all from the nature of management itself to the impact management has within organisations. Articles may be interdisciplinary, as authors may base their studies of management within fields such as economics, law, psychology, literature, and sociology. CEMJ aims to, through its published research, facilitate a better understanding of management.

We are using cookies to give you the best experience on our website.

[UPDATE PRIVACY SETTINGS](#)



**A STUDY ON STUDENTS ATTITUDE TOWARDS VIRTUAL LEARNING
EXPERIENCE IN NAGERCOIL****A. Babila Kingsly**

Assistant Professor of Economics, Holy Cross College (Autonomous), Nagercoil – 4

ABSTRACT

A Virtual Learning Environment (VLE) in educational technology is a web - based platform for the digital aspects of courses of study, usually within educational institutions. They present resources, activities, and interactions within a course structure and provide for the different stages of assessment. VLEs also usually report on participation; and have some level of integration with other institutional systems. For teachers and instructors who edit them, VLEs may have a fact role as authoring and design environments. VLEs have been adopted by almost all higher education institutions in the English – Speaking World.

Key Words: VLEs

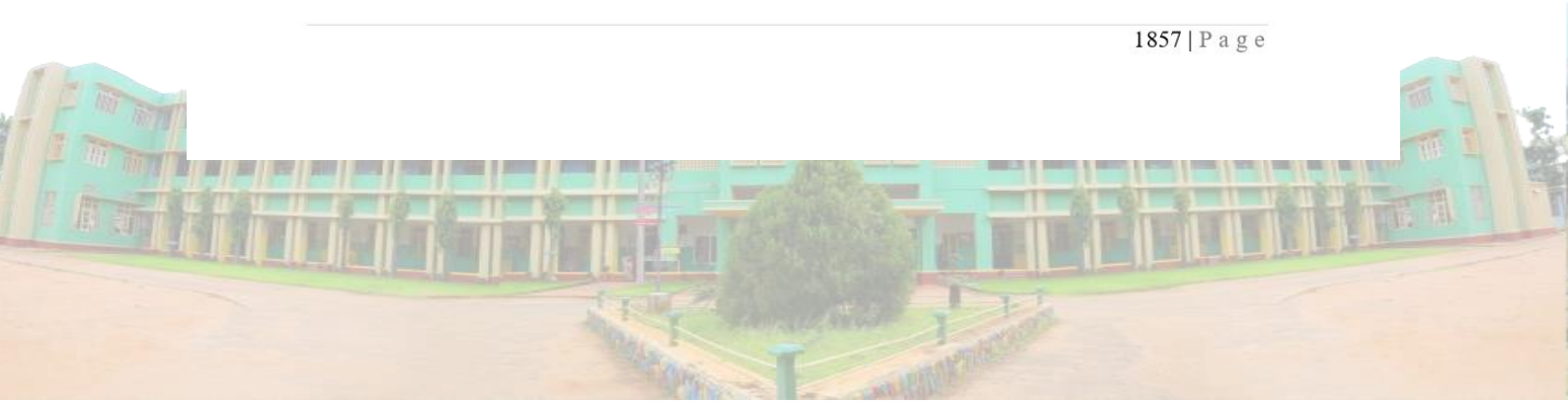
Introduction

Virtual learning has become a widespread method for providing education at the graduate and undergraduate level. Although it is an extension of distance learning, the medium requires new modes of presentation and interaction. Wide spread of Internet has encouraged universities and organizations to develop Learning Management Systems (LMS) based on Internet technologies to support teaching and learning process. Such LMSs provides various registrations of courses, distribution of learning material, tracking learner's progress, conducting tests, interaction between teacher and learner and other educational needs. Such LMSs based on Internet technologies, which are a type of E-learning systems, can be used to provide hybrid learning experience that is a combination of face-to-face traditional classroom learning with Internet oriented learning. In an E-learning environment, learners can learn at their own convenience of schedule and willingness. Ease of access to the learning material, time independence, repetitive learning and mobility are critical factors which drives the utilization of E-learning systems.

The purpose of education is to mould a person to be perfect. Education provides the pathway to reach their destiny. Education helps in inculcating social responsibilities as well. And so the epidemic of COVID 19 has its footprints on education. The outbreak of this dangerous virus across the globe has forced educational institutions to shut down to control the spread of this virus. This happening made the teaching professionals think of alternative methods of teaching during this lockdown. And thus it paved the way towards web-based learning or e-learning or online learning. In today's scenario learning has stepped into the digital world. In which teaching professionals and students are virtually connected. E-learning is quite simple to understand and implement. The use of a desktop, laptop, or smart phones and the internet forms a major component of this learning methodology. E-learning provides rapid growth and proved to be the best in all sectors, especially in education during this lockdown.

Statement of the Problem

Today is a very exciting time for technology and education. Online programs offer technology bases instructional environments that expand learning opportunities and can provide top quality education through a variety of formats and modalities. In order for an online program to be successful, the curriculum, the facilitator, the technology, and the students must be carefully





Source details

Central European Management Journal

Formerly known as: [Journal of Management and Business Administration, Central Europe](#)
[Open Access](#) ⓘ

Scopus coverage years: from 2020 to Present

Publisher: Emerald Publishing

ISSN: 2658-0845 E-ISSN: 2658-2430

Subject area: [Social Sciences: Political Science and International Relations](#) [Social Sciences: Sociology and Political Science](#)
[Business, Management and Accounting: Business, Management and Accounting \(miscellaneous\)](#)
[Psychology: Social Psychology](#)

Source type: Journal

[View all documents >](#) [Set document alert](#) [Save to source list](#)

CiteScore 2022
1.4 ⓘ

SJR 2022
0.219 ⓘ

SNIP 2022
0.377 ⓘ

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ⓘ
CiteScore 2022 counts the citations received in 2019-2022 to articles, reviews, conference papers, book chapters and data papers published in 2019-2022, and divides this by the number of publications published in 2019-2022. [Learn more >](#)

CiteScore 2022 ▾
1.4 = $\frac{134 \text{ Citations 2019 - 2022}}{95 \text{ Documents 2019 - 2022}}$
Calculated on 05 May, 2023

CiteScoreTracker 2023 ⓘ
2.2 = $\frac{257 \text{ Citations to date}}{115 \text{ Documents to date}}$
Last updated on 05 April, 2024 • Updated monthly

CiteScore rank 2022 ⓘ

Category	Rank	Percentile
Social Sciences		
└ Political Science and International Relations	#263/652	59th
Social Sciences		
└ Sociology and Political Science	#622/1415	56th

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)



Already have a manuscript?

Use our Manuscript Matcher to find the best relevant journals!

Find a Match

Refine Your Search Results

Central European Management Journal

Search

Sort By: Relevancy

Filters

Clear All

Web of Science Coverage

Open Access

Category

Country / Region

Language

Frequency

Journal Citation Reports

Search Results

Found 1,623 results (Page 1)

Share These Results

Exact Match Found

CENTRAL EUROPEAN MANAGEMENT JOURNAL

OPEN ACCESS

Publisher: EMERALD GROUP PUBLISHING LTD, Floor 5, Northspring 21-23 Wellington Street, Leeds, England, W YORKSHIRE, LS1 4DL

ISSN / eISSN: 2658-0845 / 2658-2430

Web of Science Core Collection: Emerging Sources Citation Index

Share This Journal

View profile page

* Requires free login.

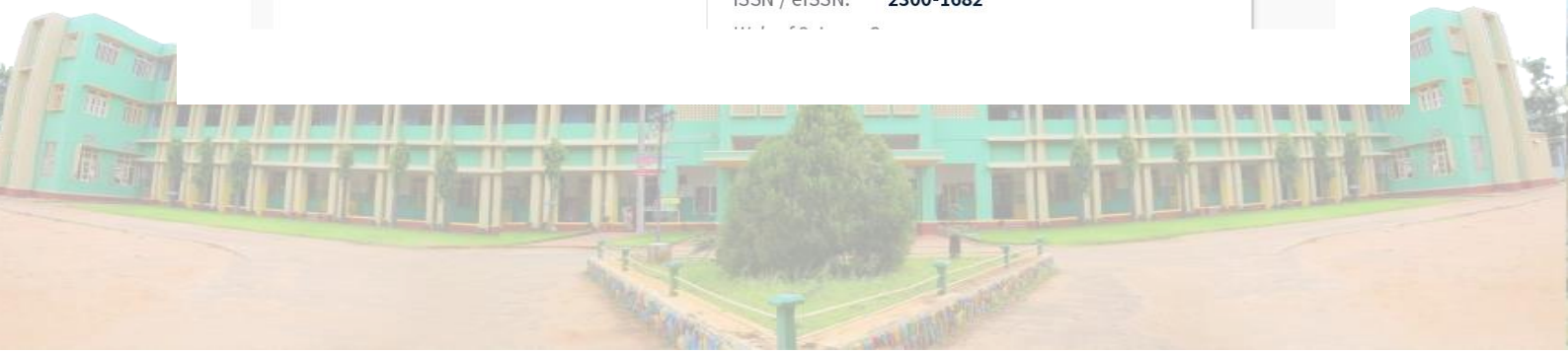
Other Possible Matches

CENTRAL AND EASTERN EUROPEAN MIGRATION REVIEW

OPEN ACCESS

Publisher: CENTRE MIGRATION RESEARCH, UNIV WARSAW, POLISH ACADE SCIENCES, PASTEUR 7, WARSAW, POLAND, 02093

ISSN / eISSN: 2300-1682







[Home](#) > [Find a journal](#) > Central European Management Journal

Central European Management Journal

[Submit your paper](#)

[Table of contents](#)

- [Author guidelines](#) 
- [Editorial team](#) 
- [Indexing & metrics](#) 
- [Calls for papers & news](#) 

The Central European Management Journal is an academic, peer-reviewed journal covering all aspects of management in both public and private sector institutions. The journal is published by Emerald on behalf of Kozminski University.

ISSN: 2658-0845
eISSN: 2658-2430

 This journal is open access



DOAJ
DIRECTORY OF
OPEN ACCESS
JOURNALS

Scopus[®]

Journal Owners



KOZMINSKI UNIVERSITY

Aims and scope

Central European Management Journal (CEMJ) publishes peer-reviewed research that focuses on all aspects of management, covering all from the nature of management itself to the impact management has within organisations. Articles may be interdisciplinary, as authors may base their studies of management within fields such as economics, law, psychology, literature, and sociology. CEMJ aims to, through its published research, facilitate a better understanding of management.

 [UPDATE PRIVACY SETTINGS](#)

We are using cookies to give you the best experience on our website.



CHALLENGES OF ONLINE LEARNING IN EDUCATION

Dr. C.A. Sham Shankar

Assistant Professor, P.G. Department of Economics & Research Centre, S.T. Hindu College,
Nagercoil – 629 002.

M.SahayaVennila.

Assistant Professor of Economics, Holy cross College, (Autonomous,) Nagercoil.

ABSTRACT

Online learning offers several benefits for students who want flexibility while attending college. Also, the COVID-19 has changed the education discourse drastically because now the students can find their courses and books online where they can study as per their own schedule. However, students face multiple problems in online classes and look for online learning challenges and solutions. We know very well that online learning platforms have attracted lots of attention. But many of them face some challenges of online learning much as hindrances in their comprehensive learning experience and real-time doubt solution. In this article, we have provided some of the challenges faced by the students and professors, the effect of online classes on students, and the suggestions on how to overcome online learning challenges.

Keywords; Internet ,online learning platforms, comprehensive learning, hindrances

Introduction

These days, technology has impacted every industry, including education. The most recent method of getting an education through the internet is online education. Utilizing your smartphones, laptops, or tablets for learning is a fun and productive method. Both teachers and students can benefit greatly from it, but there are also many drawbacks. Learning from anywhere is flexible with online education. Non-time-boundness is another advantageous property. We don't have to sit from morning until lunch like in a typical school. Depending on our preference, we can study online day or night. There is no upper age limit for learning online, in addition to the flexibility of time and location. We can pick the subjects and skills we want to learn by using online education. There are numerous institutions that provide their degrees and courses online.

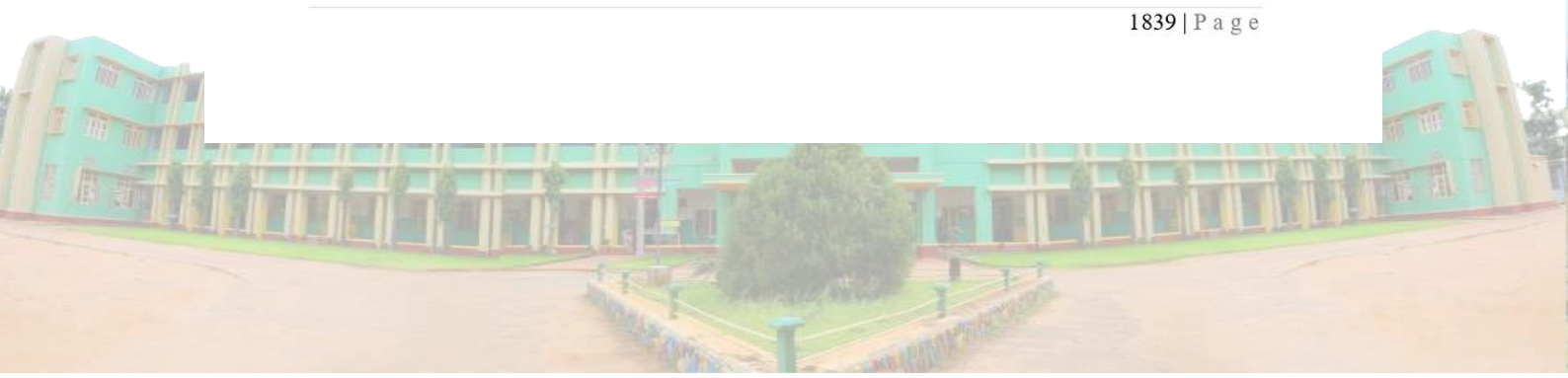
Statement of the problem


People who reside in areas with poor internet connectivity, however, struggle with online learning. The core of online education is the internet. The human health may suffer if they spend more time in front of devices. Only those with the ability to discipline themselves should consider it. Online education is a flexible method of providing instruction that includes all online learning. This paper highlighted the challenges of online learning problems and its solutions.

Objectives

The objectives of the study are,

1. To know the problems faced by the students and teachers in online learning.





SAVITRIBAI PHULE
PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

Search for title, author, doi. Search

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#) [Archives](#) [Editorial Board](#) [Journal policies](#) [Abstracting and Indexing](#) [Editorial Policies](#) [Contact Us](#)



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"
Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)
Volume 13 | Issue 2

Biochemical Characterization Of Different Tea
Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING
Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction
Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

DOWNLOAD FORM

JOIN AS EDITORIAL BOARD MEMBER

JOIN AS REVIEWER

SUBMIT ARTICLES

PUBLISHER CHANGE INFORMATION

submit.ijfans@gmail.com

**FUTURE PROSPECTS ON VALUE-ADDED FISH PRODUCTS IN
KANYAKUMARI WITH SPECIAL REFERENCE TO AGASTHEESWARAM TALUK**¹S.K.Antshel Reshiba, ²Dr.C.Braba¹Research Scholar

(Reg. No. 19213041012001)

Department of Commerce

Holy Cross College (Autonomous), Nagercoil

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)²Research Guide and Assistant Professor

Department of Commerce

Holy Cross College (Autonomous), Nagercoil

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli.)**Abstract**

Fish and fisheries products can be given more value based on the demands of the various markets. Value addition is one strategy that might be used to increase profitability in the fish processing industries because it is getting more and more expensive and highly competitive. There is a great demand for fish and fish-based products in ready-to-eat convenience form. According to the market surveys packaging, advertising and innovative product development are a few of the very important areas, which ultimately determine the successful movement of a new product. The study focused on customer satisfaction towards value-added fish products. The study is based on subjective and objective knowledge of the future prospects of value-added fish products, social and demographic characteristics. The findings of the study was based on data collected from 100 respondents who responded to a questionnaire. The result of the findings exposed that innovative product development with concern to consumer requirements and environmental friendly products are the main aspect to enhance the future prospects of the value-added fish product potentially in Kanyakumari district with special reference to Agastheeswaram taluk.


Keywords: Future prospects, enhancing fishing industry, fish and fisheries-based products, value-added fish products, processed seafood products.

INTRODUCTION

India provides a strong foundation for the processed sector. Several development strategies have focused on the fishing industry in recent decades. Convenience plays an important role in the marketing of fish and fishery products. Clean, cut ready to cook or ready-to-eat forms of fish is demanding more and consumer are willing to pay extra premium for it. Value is a combination of quality, service and price. The basic benefits of value addition as far as food is concerned include the functional and emotional benefits related to quality, nutrition, convenience in preparation and high sensory appeal at a reasonable cost.

Due to health concerns, fish and fish-based cuisine are becoming more and more popular all over the world. Research and development are crucial for the success of this sector. Value-added production is basically one of many possible approaches that a company or policymaker must take into consideration. To determine the best long-term plan, alternative uses of the relevant economic resources must be considered. Fishery commodities are important to the economy of our country, so, we must have the proper idea about value-added fishery products.





SAVITRIBAI PHULE
PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer




IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

[About Us](#) | [Archives](#) | [Editorial Board](#) | [Journal policies](#) | [Abstracting and Indexing](#) | [Editorial Policies](#) | [Contact Us](#)

Impact Factor : 7.832



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

[DOWNLOAD FORM](#)

[JOIN AS EDITORIAL BOARD MEMBER](#)

[JOIN AS REVIEWER](#)

[SUBMIT ARTICLES](#)

[PUBLISHER CHANGE INFORMATION](#)

submit.ijfans@gmail.com

PROBLEM AND PROSPECTS OF WOMEN ENTREPRENEURS**V.REGIMA¹, Dr.C.BRABA²**¹Research Scholar in Commerce

Reg. No.19213041012018

Holy Cross College (Autonomous), Nagercoil

²Assistant Professor and Research Supervisor in CommerceHoly Cross College (Autonomous), Nagercoil.²**(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627 012)****Abstract:**

This study focused on the analysis of the problems and prospects of women entrepreneurs. A women entrepreneur is one who starts a business and manages it independently and tactfully takes all the risks, accepts challenging role to meet her personal needs and become economically independent. The sample size was 300. The primary data were analysed with percentages, and ANOVA. Indian women are naturally weak, shy and mild. Nowadays women entrepreneurs are converting the position of job seeker to job provider. So, women entrepreneurs face many problems due to limited mobility, financial constraints, stiff competition, social attitude and awareness of Governments scheme. Hence the study is an attempt to analyse the problem and prospects of women entrepreneurs in Kanniyakumari District.

Keywords: women entrepreneurs, problem, prospects, financial constraints.

Introduction:

A women entrepreneur is one who is an innovative, confident, financially independent woman proficient in achieving self-economic independence or in partnership, creates employment opportunities for the people, by promoting, setting up and operating an enterprise, combining factors of production, undertaking risks while keeping pace with personal and social life. Women Entrepreneurship implies a process in which a female initiate, lead, owns and organize an enterprise or industry and give employment to others and also contribute in improving the standard of living of their family. When a woman legally owns and operates an enterprise, holding a minimum of 51 per cent share capital and employing more than 51 percent of women, is a women-led enterprise and the initiative is women entrepreneurship.


1. Financial Constraints:

Finance is the life blood of every business. Both long-term and short-term funds are required for business. They have to provide collateral securities to obtain loans and advances from financial institutions. But usually, women do not have a property in their names and this hinders them from obtaining external sources of funds. The banks also consider women less credit-worthy and discourage women borrowers on the belief that they can leave their business at any time and become housewives again. Under these circumstances, women entrepreneurs are bound to rely on their savings and loans from friends and relatives. The quantity of such funds is often negligible leading to the failure of women's enterprises.

2. Over-Dependence on Intermediaries

Women entrepreneurs have to depend largely on intermediaries for the distribution of their products. These intermediaries take a major portion of their profits. It may be possible for women entrepreneurs to eliminate the middlemen, but it requires an additional investment of capital and a lot of travel. Women entrepreneurs find it difficult to capture the market and popularise their products.





SAVITRIBAI PHULE
PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#)
[Archives](#)
[Editorial Board](#)
[Journal policies](#)
[Abstracting and Indexing](#)
[Editorial Policies](#)
[Contact Us](#)



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

[DOWNLOAD FORM](#)

[JOIN AS EDITORIAL BOARD MEMBER](#)

[JOIN AS REVIEWER](#)

[SUBMIT ARTICLES](#)

[PUBLISHER CHANGE INFORMATION](#)

submit.ijfans@gmail.com

CONSUMER'S BUYING PREFERENCE TOWARDS ORGANIC PERSONAL CARE PRODUCTS

S.R.ManjuSharmee Part-time Research Scholar in commerce, Reg.No. 19223041012002

E.mail.Id: rajisharmee5@gmail.com

Holy Cross College (Autonomous), Nagercoil (Affiliated to Manonmaniam Sundaranar University), Abishekapatti, Tirunelveli, Tamilnadu, India.

Dr.C.Braba Assistant Professor and Research Supervisor in Commerce, Holy Cross College (Autonomous), Nagercoil.

Abstract:

The purpose of the study is to find out the consumer's buying preference and reason for purchasing the organic personal care products. Personal care means external care to the body, appearance and hygiene. Organic personal care products are developed in the form of agricultural ingredients grown in the absence of pesticides, synthetic fertilizers, genetically modified organisms and radiation. Now a days, the younger generations are given more importance to their body and skin for that they used to prefer organic and natural cosmetics and skin care products. Organic personal care products provide natural protection to the skin and also help as keep our well-being in check. Natural or organic cosmetics are not just beauty products, but a reaction of nature in perfect harmony with our bodies and our world. The study contains primary and secondary data. 60 respondents were selected as sample by using convenient sampling method in Nagercoil town. The study found that consumer is giving more preference to hair care under personal care which was influenced by fragrance and no side effects.

Key words: personal care, natural, organic, consumer preference

Introduction

Personal care products are used for personal hygiene, personal grooming or for beautification. Natural and organic cosmetics are greatly influencing and changing the cosmetics panorama. While "beauty" is still the main term that comes to mind when we think about cosmetic products, an increasing number of consumers expect to find "sustainable", "environmentally friendly" and "ethical" qualities in the cosmetics they purchase. Conventional personal care products contain a high percentage of petroleum-based ingredients such as



SAVITRIBAI PHULE PUNE UNIVERSITY

UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME ABOUT FOR AUTHORS ETHICS & DISCLOSURES ALL VOLUMES & ISSUES CONTACT

HOME > JOURNAL > **KANPUR PHILOSOPHERS**

• **Kanpur Philosophers**

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor


- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan





**CONSCIOUSNESS AND GREEN PRACTICES OF CONSUMERS REGARDING GREEN
FAST-MOVING CONSUMER GOODS**

K. Rosario Florence (Reg.No:21113041012002) Research Scholar, Department of Commerce,
Holy Cross College (Autonomous) Nagercoil, rosarioflorence@holycrossngl.edu.in

Dr.S.Sahayaselvi Research Supervisor in Commerce, Holy Cross College (Autonomous), Nagercoil,
sahayaselvi@holycrossngl.edu.in

Dr.G.Hesil Jerda Assistant Professor, Holy Cross College (Autonomous), Nagercoil,
hesiljerda@holycrossngl.edu.in.

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli- 627012, Tamil
Nadu, India

ABSTRACT


The Indian talent and capital markets have been largely supported by the FMCG sector, which has given rise to numerous multi-bagger stocks. FMGC plays a key part in the life of every consumer to satisfy basic necessities. Consumer packaged goods are the main focus of the FMGC sector's production, distribution, and marketing activities. Indian culture, society, and habits are rapidly evolving. The situation has been the main force behind the consumer market's expansion. A product is considered "green" if it doesn't hurt the environment. Green products do offer numerous advantages, nevertheless, including those that are focused on humans and other living things as well as the environment's health and well-being. Consumers are becoming more aware of their purchasing decisions and are willing to spend more money on green products in order to take part in activities that safeguard the environment and their families. Therefore, businesses frequently create and market their products based on how sustainable they are perceived to be from an environmental standpoint. The topic of Consciousness and Green Practices of Consumers Regarding Green Fast-Moving Consumer Goods is the focus of the current article with a sample size of 150, this study was carried out in the Kanniyakumari district. Data analysis procedures included percentage, garret ranking, and T-test. Information was gathered through the use of questionnaires.

Keywords: Green FMGC, Green products, Environment, Consumers, Awareness.

INTRODUCTION

A million questions have to be raised in the purchasing behaviour of every customer what to buy when to buy, where to buy and how to buy with regard to health-related issues. The only remedy to this question is to purchase green products. Hence the increasing usage of non-eco-friendly items is one of the key causes of the numerous environmental and health problems the globe is currently experiencing. These product ingredients contribute to the destruction of the ozone layer, acid rain, biodiversity loss, air, water, and land pollution, as well as many other serious environmental problems. It harms humans and other living things and degrades the environment. The only alternative for humans, other living things, and the environment are to turn green. Environmental and human health effects from using green products can range widely. Price Waterhouse Coopers (PwC's) June 2021 Global Consumer Insights Pulse Survey, half of all global consumers become even more eco-friendly. Although eco-consumerism is clearly on the rise, PwC's most recent survey reveals that some




SAVITRIBAI PHULE PUNE UNIVERSITY

≡ UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

[Previous](#) | [1](#) | [Next](#)

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JOURNAL
ARCHAEOLOGY & GENOLOGY

[HOME](#) ▾ [ABOUT](#) ▾ [FOR AUTHORS](#) [ETHICS & DISCLOSURES](#) ▾ [ALL VOLUMES & ISSUES](#) [CONTACT](#)

HOME » JOURNAL » **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan





CONTRIBUTION OF PUBLIC SECTOR BANKS IN INDIA TOWARDS GREEN BANKING

N.Saromi (Reg. No: 21113041012001) Research Scholar, Department of Commerce, Holy Cross College, Nagercoil, sn70104@gmail.com

Dr. S. Sahayaselvi Assistant Professor and Research Supervisor in Commerce, Holy Cross College, Nagercoil, Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli - 627012, Tamil Nadu, India :: sahayaselvi@holycrossngl.edu.in

INTRODUCTION

Going Green is an axiom of all the business tycoon, policy makers, academicians, politicians as well as every citizen who has the ecological aspects of protecting flora, fauna and human life. Therefore, from every angle the person with green consciousness is evolving round concept of green movement like green product, green services, green packages, green loans, green insurance and green advertisement which do not pollute the environment but the sustain the ecology for future generation. Banking sector is also not exempted to this.

The Public sector banks play a pivotal role in the contribution of green environment in its banking operations. Hence, over a decade there is a sea change in the banking activities like moving from traditional banking to online banking and from online banking to green banking. Green banking is an umbrella concept in which all the technological banking activities take place with the concern of environment sustainability. Green banking is also called ethical banking and sustainable banking. It aims to promote eco-friendly practices or initiatives and reduces the inner and outer emissions of carbon foot prints. In simple term green banking is a tree with branches of benefits to the environment. There are many green banking practices or initiatives like online banking services, green investment, carbon offsets, green building, remote deposit, online fund transfers, e-statements, automated clearing house, green financing, power saving equipments, green debit / credit cards, save paper and mobile banking. These in turn contribute towards the sustainability of the eco -system of the nation and in the 21st century the contribution of banking sector towards ecology is praiseworthy. Green banking is like that of a normal bank, which does the commercial activities but with aim of minimizing energy and eco-friendly process. Due to this contribution, the banking customers are willing to adopt these green initiatives in their banking transactions and support the banking green practices that are introduced by the banks.


OBJECTIVE OF THE STUDY

The objective of the study is to know the contribution of Indian banking towards ecology as well as their active role in the promotion of green banking practices and initiatives in public sector banks in the Indian scenario.

CONTRIBUTION OF GREEN BANKING IN PUBLIC SECTOR BANKS

After the amalgamation of banks there are 12 nationalized banks in India. All the public sector banks aim to serve their customer with the motto of accepting the deposit and lending the money, but now their concern is to serve the customers with the environment friendly aspects. In order to understand the contribution of green banking practices, the information is elicited from the official website of the banks in order to know their contribution towards eco-friendly and sustainable banking.





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

≡ UGC-CARE List

Journal Details	
Journal Title (in English Language)	Shodhasamhita
Journal Title (in Regional Language)	शोधसंहिता , शोधसंहिता
Publication Language	English , Hindi , Sanskrit
Publisher	Kavikulaguru Kalidas Sanskrit University
ISSN	2277-7067
E-ISSN	NA
Discipline	Social Science
Subject	Social Sciences (all)
Focus Subject	General Social Sciences
UGC-CARE coverage years	from April-2021 to Present

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | [Disclaimer](#)



Kavikulaguru Kalidas Sanskrit University NAAC A+

Shodhasamhita:
Journal of Fundamental & Comparative Research
ISSN - 2277-7067



About the Journal

Kavikulaguru Kalidas Sanskrit University NAAC A+

'Shodhasamhita' is a print and online International PeerReviewed & Referred and UGC CARE listed Journal of Interdisciplinary Subjects with ISSN which intends quality in the field of Sanskrit and Sanskrit-related subjects of Higher Education. The Journal is published twice a year in January & July respectively. Being an international journal of Sanskrit and Sanskrit-related topics, it focuses on interdisciplinary topics which broadly require scholarly platforms to be addressed in India and abroad.

ISSN - 2277-7067



Call for Paper

Dear Researchers/Faculty members
Greetings!

We are going to process our UGC Care listed research journal Shodhasamhita's next issue(July to December 2023). Kindly send your research article for the journal with proper style sheet as mentioned on portal link. Research scholars should coordinate with their esteemed guide before sending the article. Don't make any payment through online /offline mode. Article publication will be subject to peer review and plagiarism checking report.

kindly submit your article through portal link - <https://kksushodhasamhita.org/>

Last date for submission the article is 30th November 2023

Regards
Editorial Board
Shodhasamhita - UGC Care Listed Research Journal
KKSU, Ramtek

[Read More >](#)

Current Issue

Volume X, Issue I, January 2023



Shodhasamhita : Journal of Fundamental & Comparative Research

Vol. VIII, Issue-II, No.14 July – December: 2022

ISSN: 2277-7067

DIGITAL PAYMENTS: A STUDY ON USAGE PATTERN AND SATISFACTION AMONG THE USERS IN TIRUNELVELI DISTRICT

Dr. A. Martina Franciska Assistant Professor in Commerce, SRM Institute of Science and Technology, Faculty of Science & Humanities, Ramapuram Campus, Chennai-600089,
martinaa1@srmist.edu.in

Dr. S. Sahayaselvi Principal and Research Supervisor in Commerce, Holy Cross College, Nagercoil,
sahayaselvi@holycrossngl.edu.in

Dr. Hesil Jerda Assistant Professor in Commerce, Holy Cross College, Nagercoil,
hesiljerda@holycrossngl.edu.in

Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627012.


ABSTRACT

Innovation has driven human lives from stone tool technology to digital technology. Each and every innovation helped the humankind to do their work with ease and at the same time faster with quality. One of such technology is cashless payments. The enhancement of digital payments depends on the usage pattern of different modes of digital payments and their satisfaction towards digital payments. Hence this paper analyses the usage pattern of different modes of digital payments and the users satisfaction about digital payments. The study concentrated on the nine methods of digital payments that are sited in the website of <http://cashlessindia.gov.in>. This site gives a broader outlook on the nine methods of digital payments. The study is based on primary data. The primary data is collected with the help of questionnaire. Since the population is infinite, the researcher has adopted Cochran's formula to define the sample size as 507. The result indicates that the usage pattern of respondents to use different modes of digital payments is high for 'banking cards' and 'mobile banking' and low for 'micro ATMs' and 'Aadhar Enabled Payments Systems (AEPS)'. It is also observed that the percentage of variance is high for 'benefits of online transactions' and thus the variables in 'benefits of online transactions' are more influential with regard to satisfaction about digital payments. This study concludes that the digital payment is growing in the upward movement over a decade. Yet there is a need to grow into 100 per cent cashless society by increasing the usage of all the methods of payments in and around India.

Keywords: Innovative Methods of Digital Payments, Cashless nation, Usage Pattern, and benefits of online transaction

INTRODUCTION

Digital payments is a way of payment which is made through online modes. In digital payments, payer and payee both use digital modes to send and receive money. It is also called electronic payment. Digital payment methods include Banking cards, E-Wallets, Unified Payment Interface (UPI), Unstructured Supplementary Service Data (USSD), Aadhar Enabled Payment System (AEPS), Mobile banking, Micro ATM, Prepaid card and Internet Banking. Digital payments have greater impact on human life by reducing their time and save their energy for other productive purposes. After demonetization in November 2016, digital payments has started to offer interesting and advantageous new services and so there has been a growth in digital transactions from 2070 crores in volume in 2017-2018 to 5487.12 crores in 2020-2021. In India, 89 per cent of cash was used as total transaction in 2020, which was 100 per cent in 2010. Hence the digital payment is growing in the upward movement over a decade. Yet there is a need to grow into 100 per cent cashless society by making people to use different methods of digital payments and satisfy them in digital payments. If the satisfaction is concentrated, then there may be a rapid increase in digital payments and it is the need of the hour for the country to focus on this to achieve digital India in the upcoming years.



SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer




IJFANS International Journal of Food and Nutritional Sciences

Official Publication of International Association of Food and Nutrition Scientists

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#) [Archives](#) [Editorial Board](#) [Journal policies](#) [Abstracting and Indexing](#) [Editorial Policies](#) [Contact Us](#)



Volume 13 Issue 1

Correlation Between Personality Traits, Motor Skills, And Anthropometric Measurements In Athletes And Non-Athletes

Volume 13 | Issue 1

Implementation Of Nano Biotechnology In Sanitary Napkin. A Sustainable Approach Towards Environment

Volume 13 | Issue 1

INTERNAL MIGRATION OF CONSTRUCTION WORKERS IN INDIA: REFERENCE TO THIRUVALLUR DISTRICT OF TAMIL NADU

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

Submit article

DOWNLOAD FORM

JOIN AS EDITORIAL BOARD MEMBER

JOIN AS REVIEWER

SUBMIT ARTICLES

PUBLISHER CHANGE INFORMATION

submit.ijfans@gmail.com

IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES

ISSN PRINT 2319 1775 Online 2320 7876

Research Paper © 2012 IJFANS. All Rights Reserved UGC CARE Listed (Group -B) Journal Volume 11, Iss 09, 2022

**A PARADIGM SHIFT FROM TRADITIONAL BANKING TO GREEN BANKING:
AWARENESS, ADOPTION AND SATISFACTION OF END-USERS.**

¹SAROMI. N ²Dr. S. SAHAYASELVI

¹Research Scholar, Reg. No: 21113041012001, Department of Commerce, Holy Cross College (Autonomous) Nagercoil -629004, (Affiliated to Manonmanium Sundaranar University, Tirunelveli.), sn70174@gmail.com.

²Research Supervisor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil-629004, (Affiliated to Manonmanium Sundaranar University, Tirunelveli.), sahayaselvi@holycrossngl.edu.in


Abstract

It is not easy to shift from the traditional system to a new era unless there is any substantial reason, either the new system will more effective, systematic, updated and easy to accept. Green Banking is new technology based banking concept, which aims to promote the eco friendly banking in order to reduce the emissions of carbon footprints. The customers who are aware about the sustainable banking were ready to adopt from traditional banking to green banking and they satisfied with the products and services. For this purpose the study examined 156 sample respondents using multi random sampling method using ANNOVA and Factor Analysis methods. The findings of the paper elaborately explained about the products and services of green banking which are easily adoptable by the customer and examines about the level of satisfaction of using the products and services. It evaluates the elements which are less aware by the customers and explains the low level satisfaction of the banking customers.

Keywords: Traditional Banking, Green Banking, Customer, Carbon Footprints.

Introduction

The world in recent more conscious about to protect our Earth from Pollution, Carbon Foot prints, deforestation. The ecologist, environmental scientist, Climatologist insists the business people to move towards eco friendly process for our upcoming descendant. Developed countries were already aware about this environmental pollution and now they are in the stage of taking remedial action against these global warming. Now it is time for the developing countries to show their performance to safeguard the earth. Finance and Industry are the major industries for the development of any country which plays a vital role in the economy. Banking is one of the finance sectors which do not pollute the environment directly but it increases the emission of inner and outer carbon unknowingly. So, banking industry is in urge to take amendatory steps at the same time without any vulnerability to the economy.



SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer




IJFANS International Journal of Food and Nutritional Sciences

Official Publication of International Association of Food and Nutrition Scientists

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#) [Archives](#) [Editorial Board](#) [Journal policies](#) [Abstracting and Indexing](#) [Editorial Policies](#) [Contact Us](#)



Volume 13 Issue 1

Correlation Between Personality Traits, Motor Skills, And Anthropometric Measurements In Athletes And Non-Athletes

Volume 13 | Issue 1

Implementation Of Nano Biotechnology In Sanitary Napkin. A Sustainable Approach Towards Environment

Volume 13 | Issue 1

INTERNAL MIGRATION OF CONSTRUCTION WORKERS IN INDIA: REFERENCE TO THIRUVALLUR DISTRICT OF TAMIL NADU

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

Submit article

submit.ijfans@gmail.com

IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES

ISSN PRINT 2319 1775 Online 2320 7876

Research Paper © 2012 IJFANS. All Rights Reserved UGC CARE Listed (Group-D) Journal Volume 11, No. 09, 2022

IMPACT OF GREEN PRODUCTS ON THE HEALTH AND WELLNESS OF CONSUMERS

¹K. ROSARIO FLORENCE ²Dr. S. SAHAYASELVI

¹Research Scholar, (Reg.No:21113041012002), Department of Commerce, Holy Cross College (Autonomous) Nagercoil, Affiliated to Manonmaniam Sundaranar University, Abishekapetti, Tirunelveli- 627012, Tamil Nadu, India, 7397370933, rosario.jk@gmail.com

²Research Supervisor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Abishekapetti, Tirunelveli- 627012, Tamil Nadu, India, sahayaselvi@holycrossngl.edu.in

ABSTRACT

In recent years, there has been a growing global awareness of the environmental and health implications associated with conventional consumer products. This has led to an increased demand for eco-friendly or "green" alternatives across various industries. This research explores the multifaceted impact of green products on the health and wellness of consumers. Furthermore, the research investigates the psychological aspects of consumer choices, exploring how the perception of using green products may positively affect mental well-being. The data were collected through multistage random sampling. Using an interview schedule, data was collected from 104 respondents from 52 wards of Nagercoil town. The findings from this research are expected to provide valuable insights for policymakers, businesses, and consumers alike. As the global community strives to address pressing environmental issues, this study contributes to the ongoing discourse surrounding the interconnectedness of sustainable practices, consumer health, and overall well-being.

Keywords: Green Products, Health, Wellness, Consumers, environment.

INTRODUCTION

The ecological advantages of green products are evident in their reduced carbon footprint, minimized use of harmful chemicals, and emphasis on recyclability. Green products are often formulated with fewer harmful chemicals, which can reduce consumers' exposure to potentially hazardous substances. Studies like those by Liu et al. (2017) and Smith et al. (2019) have highlighted the link between exposure to certain chemicals in traditional products and adverse health effects. Patel et al. (2018), suggest that using green products may have positive effects on mental health. The psychological benefits of choosing environmentally friendly options might contribute to overall well-being. However, their impact on individual health remains a nuanced and evolving aspect of research. By scrutinizing the composition and attributes of green products, we can unravel how these choices influence personal well-being, considering factors such as exposure to toxins, allergens, and the broader implications for mental health. Smith and Brown (2012) delved into consumer motivations for choosing sustainable products but predominantly focused on the socio-psychological aspects, leaving a gap in understanding the tangible health outcomes

☰ UGC-CARE List

UGC-CARE List

You searched for "2278-6864". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Education and Society (print only)	Indian Institute of Education	2278-6864	NA	from September-2019 to July- 2024	Discontinued from July 2024

Showing 1 to 1 of 1 entries


Previous 1 Next

◀ ▶

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JAMES NICHOLAS
PUBLISHERS

[Journals](#)
[Abstracts](#)
[For Authors](#)
[About Us](#)
[Contact Us](#)
[Submit an Article](#)



Education and Society

2 issues per year

Education and Society provides a forum, where teachers and scholars throughout the world, are able to evaluate current issues and problems in education and society from a balanced and comparative social, cultural and economic perspective.

Education and Society is used by teachers, academics, research scholars, educational administrators and graduate students.

Education and Society is double blind peer reviewed.

The journal has no publication fees.

Editor Joseph Zajda, Australian Catholic University

ISSN ISSN: 0726-2655 (print), 2201-0610 (online)

Read Online

Subscribe

Submit an Article



Education and Society (शिक्षण आणि समाज)
(UGC Care Journal)

A STUDY ON IMPACT OF EMOTIONAL INTELLIGENCE ON THE BEHAVIOUR AND
JOB PERFORMANCE OF TEACHERS WORKING IN AUTONOMOUS COLLEGES,
NAGERCOIL

ISSN: 2278-6864

Vol-46, Issue-4, No.-09, October-December: 2022

S. Merlin Vista Research Scholar (Reg. No: 11952), Department of Commerce, Holy Cross College
(Autonomous), Nagercoil. (Affiliated to Manonmaniam University, Tirunelveli)
Dr. M. Mary Helen Stella Head and Associate Professor, Department of Commerce, Holy Cross
College (Autonomous), Nagercoil. (Affiliated to Manonmaniam University, Tirunelveli)

ABSTRACT

Emotional Intelligence plays a vital role in social sciences; it has direct impact on the teacher's behavior working in an organization and it is important for the success of their profession. Teachers are considered as the main pillar in the educational system. A teacher has a key role to play in communicating knowledge in specific subjects and help students grow to their fullest stature, develop suitable attitudes and unfold their personality. A teacher has to generate that energy in oneself and handle it in one's work of educating the boys and girls that resort to him/her. A teacher has to not only instruct but also inspire the students. The purpose of this research project is to identify the factors influencing emotional intelligence and to identify the impact of Emotional Intelligence on teachers' behaviour and their job performance. The study is based on both primary and secondary data. Garret's ranking method, and Likert's Five Point scale were used to analyse and interpret the collected data.

Key words: Emotional Intelligence, Teachers, Performance

Introduction

In the recent years, the concept of the emotional intelligence among teachers has been taken attention in the educational institutions due to its great importance. In fact, emotional intelligence is a type of social intelligence. It improves the self-awareness that includes to control own and others emotions; make a choice between them and the ability of using these emotions to set his life. Therefore this skill is really required to make the teachers performance very effective. This skill can make the teachers not only able to deal with their students but with their colleagues as well.

Statement of the problem:


Emotional Intelligence plays a vital role in social sciences; it has direct impact on the teacher's behavior working in an organization and it is important for the success of their profession. The teachers who have high emotional intelligence communicates with constructive goal in mind and controls his or her emotions carefully more than reacting to situation on the basis of impulse generated by emotion generated event. Therefore, this study helps to researcher to identify the impact of Emotional Intelligence on the behaviour and job performance of teachers working in autonomous colleges, Nagercoil.

Objectives of the Study

- To find out the factors which give emotions to the respondents.
- To identify the impact of Emotional Intelligence on teachers' behaviour.
- To identify the impact of Emotional Intelligence in promoting job performance of respondents.

Methodology

The present study is empirical in nature, based on the primary data and secondary data. Primary data were collected from 75 sample respondents with the help of interview schedule which helped researcher to bring out the teachers working in Autonomous colleges both men and women. The secondary data regarding this study is collected from books, magazines journals, relevant



SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC


Search

UGC-CARE List

Journal Details	
Journal Title (in English Language)	Education and Society (print only) (Current Table of Content)
Journal Title (in Regional Language)	शिक्षण आणि समाज (print only)
Publication Language	English , Marathi
Publisher	Indian Institute of Education
ISSN	2278-6864
E-ISSN	NA
Discipline	Social Science
Subject	Social Sciences (all)
Focus Subject	General Social Sciences
UGC-CARE coverage years	from September-2019 to Present

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JAMES NICHOLAS
PUBLISHERS
Journals Abstracts For Authors About Us Contact Us
Submit an Article



Education and Society

2 issues per year

Education and Society provides a forum, where teachers and scholars throughout the world, are able to evaluate current issues and problems in education and society from a balanced and comparative social, cultural and economic perspective.

Education and Society is used by teachers, academics, research scholars, educational administrators and graduate students.

Education and Society is double blind peer reviewed.

The journal has no publication fees.

Editor Joseph Zajda, Australian Catholic University

ISSN ISSN: 0726-2655 (print), 2201-0610 (online)

Read Online
Subscribe
Submit an Article

Most Downloaded

Creep: The Growing Surveillance of Students' Online Activities
Volume 36, Number 1, 2018

Authentic Engagement with the Discipline: Historical Understandings in the Australian Curriculum: History
Volume 31, Number 2, 2013

Reconstructing Education and 'Knowledge' in the Twentieth and Twenty-first Century: Scientific Management, Educational Efficiency, Outcomes Based Education, and the Culture of Performativity
Volume 32, Number 2, 2014

Comparing and Contrasting How Social Justice is "Done" in Education? Critical Reflections on China and Finland
Volume 36, Number 1, 2018

Teacher Attrition, Retention and Mobility: Where Does Australian Stand?
Volume 32, Number 2, 2014

Recent Articles

Editorial Board

Michael Apple
University of Wisconsin-Madison

Serie Berkhout
Stellenbosch University

Arthur Crogley
University of Hamburg

Jane Gaskell
OISE/University of Toronto

Gerald Grace
University of London

Stephen Hymeman
Vanderbilt University

Yaacov Iram
Bar-Ilan University

Henry Levin
Stanford University

Monica Payne
University of West Indies

Seth Spaulding
University of Pittsburgh



Education and Society (शिक्षण आणि समाज) ISSN: 2278-6864
(UGC Care Journal) Vol-46, Issue-4, No.-07, October-December: 2022
**A STUDY ON POST PANDEMIC IMPACT ON BEHAVIOURAL ATTITUDES OF COLLEGE
TEACHERS IN ONLINE SHOPPING TOWARDS GOLD JEWELLERY IN NAGERCOIL
TOWN**

S.JAMEELA Research Scholar, Research Department of Commerce, Holy Cross College
(Autonomous), Nagercoil, Kanyakumari District, Manonmaniam Sundaranar University, Abishekapatti,
Tirunelveli, Tamil Nadu, India.

Dr.M.MARY HELEN STELLA Associate Professor and Research Supervisor, Department of
Commerce, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District, Manonmaniam
Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Abstract

Technology played a major role in online shopping during post pandemic period. Women bought not only inexpensive goods but also expensive goods like gold jewellery through online. Online purchasing are becoming a key instrument to achieve new growth opportunities, ultimately resulting in cost savings and in an increase in business volume. Thus the main purpose of conducting this research is to study the post pandemic impact on behavioural attitudes of college teachers in online shopping towards gold jewellery in Nagercoil town. Gold is considered as a precious metal in the world and also a person wealth is measured in terms of how much gold he or she possesses. It is considered as a symbol of wealth and prosperity. Mostly Indian women like to keep gold in the form of ornaments. Though the price level is in an alarming trend women show more interest in buying gold. Therefore this study assumes significance and the researcher wants to explore and analyses the buying behaviour, reasons for buying, sources of information regarding online buying of gold jewellery, level of satisfaction and problems prevail in online buying of gold jewellery. A well-structured questionnaire is prepared to collect the data from the respondents. A sample of 150 customers from Nagercoil town is selected by using convenient sampling technique. This study will help the owners of the jewellery shops to know about the post pandemic impact on behavioural attitudes of college teachers in online shopping towards gold jewellery. Keywords: online shopping, consumer's behavior, jewellery, preference.

Introduction

Before the spread of corona virus people were reluctant to buy gold jewellery via the internet because there is a lack of opportunity to check the quality of gold jewellery. Usually buying of gold jewellery being a complex in its nature, creates hesitation in the minds of the consumers. People started buying not only inexpensive goods but also expensive goods through online as all business outlets were closed during the pandemic. Online shopping of gold jewellery has become most popular in post pandemic. Everyone knows the value of gold and India is not an exception to this. The craze for gold is more in India than other nations. Gold is used in India in every walks of one's life. It is used specially during the marriage ceremony. Consumer's buying behavior of gold jewellery increases day by day. In last 10-15 years, many companies are entered in these sectors. In India jewellery is not only for the purpose of aesthetic attributes but also as security. Gold is considered as a symbol of purity. There are many investment areas, but people still prefer to invest in gold. The purchasing behaviour of Indians towards ornamental gold is something different from the gold purchased by the people of other country. The main purpose of purchasing gold by the Indians is that it is considered as a process of asset maximization.

Therefore the researcher wants to find out the post pandemic impact on behavioural attitudes of college teachers in online shopping towards gold jewellery in Nagercoil town.



☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



DogaRangSang Research Journal
 দগো ডাগৰাৰ্ষেণী পত্ৰিকা
 ISSN : 2347-7180
Bilingual & Multidisciplinary Journal
 Open access journal A monthly publishing journal

UGC Approved Journal

ABOUT US

Doga Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drsrcjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.
Arts, Social Sciences and Humanities:



**A STUDY ON RURAL WOMEN ENTREPRENEUR BUYING BEHAVIOUR REGARDING
GOLD JEWELLERY IN KANYAKUMARI DISTRICT**

S.JAMEELA Research Scholar, Reg.No:18223541012008, Research Department of Commerce, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Dr.M.MARY HELEN STELLA Associate Professor and Research Supervisor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District. Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Abstract

The main purpose of conducting this research is to study the buying behaviour of rural women entrepreneur in purchasing gold jewellery in Kanyakumari district. The objective of the study is to get insight about the rural woman entrepreneur's buying behaviour, reason for buying gold jewellery and factors influencing while purchasing gold jewellery. Gold is a precious metal and also the wealth of an individual is calculated based on the amount of gold one possesses. It is considered as a sign of one's wealth and opulence. Probably Indian women like to keep gold as jewellery. Though the price level is in an alarming trend rural women entrepreneur show more interest in buying gold because they consider gold as a best friend in the economic crisis that befalls them. Therefore this study assumes significance and the researcher wants to explore and analyses the buying behaviour, reasons for buying, and different types of gold jewellery preferred by the sample respondents. A well-structured questionnaire is prepared to collect the data from the respondents. A sample of 150 customers from Kanyakumari district is selected by using convenient sampling technique. This study will help the owners of the jewellery shops to know about the behaviour and preferences of the rural dependent women in order to take remedial measures.

Keywords: Behaviour, jewellery, preference, rural women entrepreneur.


Introduction

Gold is a yellow, precious, shiny and expensive metal. There is an emotional bond between people and gold than any other metals. The price of gold jewellery and the passion that women have for gold are increasing day by day. It is difficult to separate gold and women around the world especially Indian women. The demand and craze for gold is more in Kanyakumari district. The economy of Kanyakumari is largely depends on agriculture and its related productions. In Kanyakumari, gold is promoted largely for purchasing and selling process in the type of ornaments. Gold plays an important role in Kanyakumari district as "bride's Streedhan" in marriages. Recently jewellery shops have been newly started in every nook and corners of the rural areas in Kanyakumari district. Technology development, transportation facilities and education has increased the entrepreneurship among women in Kanyakumari district. Therefore this study assume significant and the researcher wants to know the buying behaviour of rural women entrepreneur regarding gold purchasing in Kanyakumari district.

Objectives of the Study

1. To know the demographic profile of the respondents.
2. To analyze the buying behavior of the respondents.
3. To study the factors influencing respondents in selecting the jewellery.
4. To find out the reasons for buying gold jewellery by the sample respondents.
5. To identify the type of gold jewellery preferred by the sample respondents.
6. To analyze the satisfaction level of the sample respondents about jewellery mart.





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832

[About Us](#)
[Archives](#)
[Editorial Board](#)
[Journal policies](#)
[Abstracting and Indexing](#)
[Editorial Policies](#)
[Contact Us](#)



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

submit.ijfans@gmail.com

A STUDY ON PURCHASING PATTERNS OF GOLD JEWELLERY BY RURAL BACHELORETTES IN KANYAKUMARI DISTRICTS.JAMEELA¹ **Dr.M.MARY HELEN STELLA**

Research Scholar

Reg.No:18223041012008

Research Department of Commerce

Holy Cross College (Autonomous)

Nagercoil, Kanyakumari District

Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

²Associate Professor and Research Supervisor

Department of Commerce

Holy Cross College (Autonomous)

Nagercoil, Kanyakumari District

Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Abstract

The main purpose of conducting this research is to study the consuming pattern of gold jewellery by rural bachelorette in Kanyakumari district. The objective of the study is to get insight about the rural bachelorette's consuming pattern, reason for buying gold jewellery and factors influencing while purchasing gold jewellery. Gold is a precious metal and also the wealth of an individual is calculated based on the amount of gold one possesses. It is considered as a sign of one's wealth and opulence. An Indian bachelorette receives gold as a blessing for a happy and healthy married life. Even when gold rates are skyrocketing, Indians wouldn't refrain from buying or investing in gold especially when the excuse is for wedding. Gold jewellery definitely the most precious gift for the bachelorette as well. Therefore this study assumes significance and the researcher wants to explore and analyses the consuming pattern of bachelorette, reasons for buying, and different types of gold jewellery preferred by the bachelorette. A well-structured questionnaire is prepared to collect the data from the respondents. A sample of 600 rural bachelorette in Kanyakumari district is selected by using convenient sampling technique. This study will help the owners of the jewellery shops to know about the consuming pattern of the rural bachelorette in order to take remedial measures.

Keywords: Rural bachelorette, jewellery, consuming pattern.

Introduction

The more the bride is adorned in gold, the more the well-off her parents and groom's family considered to be. Other than being a social status, gold has several practical relevance too. Gold typically in the form of jewellery is an integral part of dowry in India. Indian wedding and gold go hand in hand. The bride, who is the living epitome of the goddess of fortune, wealth and prosperity, adorns gold jewellery at her wedding. Indians buy gold at important junctures of their lives, wedding being the grandest of them all. It is not a new fact that Gold jewellery is the grandest way possible for Indians to flaunt their wealth. And when this happens at a wedding, it is ever better. There is an emotional bond between people and gold than any other metals. The demand and craze for gold is more in Kanyakumari district. The economy of Kanyakumari is largely depends on agriculture and its related productions. In Kanyakumari, gold is promoted



☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

DogaRangSang Research Journal
 দগো ডাগৰাৰ্ষেণী পত্ৰিকা
 ISSN : 2347-7180
 Bilingual & Multidisciplinary Journal
 Open access journal A monthly publishing journal

Home Archives Contact

UGC Approved Journal

ABOUT US

Doga Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drsrcjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.
Arts, Social Sciences and Humanities:



**A STUDY ON ANALYSING THE ENTREPRENEURIAL SKILLS AMONG THE
COLLEGE STUDENTS IN NAGERCOIL**

V.REGIMA Research Scholar in Commerce, Reg. No. 19213041012018, Holy Cross College (Autonomous), Nagercoil (Affiliated to Manonmaniam Sundaranar University), Tirunelveli.

Dr. C. BRABA Assistant Professor and Research Supervisor in Commerce, Holy Cross College (Autonomous), Nagercoil.

Abstract:

This study focused on the analysis of entrepreneurial skills among college students. The study revealed that majority of the respondents have no family business, and belong to the middle-income group. The sample size was 50. The primary data were analysed percentages, mean rank, and Chi-square test. Entrepreneurship education is very important to the educated youth. The educational institutions should adopt entrepreneurship education strategies for promoting self-reliance among the students and persuade them with innovative ideas, new ventures, and new techniques to overcome the global challenges in the contest of the demand. There is a need of the hour to wash the old methods of teaching entrepreneurship and aspire the students to become entrepreneurs. Thus, this paper focuses on analysing the entrepreneurial skills among the college students at Nagercoil in kanniyakumari district.

keywords: Entrepreneurial Skills, Entrepreneurship Education, College Students

Introduction:

An entrepreneur is an individual who creates a new business, bearing most of the risks and enjoying most of the rewards. The process of setting up a business is known as entrepreneurship. Entrepreneurship is high risk but also can be high rewards, as it serves to generate economic wealth, growth, and innovation. Given the riskiness of a new venture, the acquisition of capital funding is particularly challenging and many entrepreneurs deal with it via bootstrapping. In entrepreneurship students of today's generation are the future entrepreneurs of the country. An entrepreneur is perceived to bring social and economic welfare and may contribute significantly to a nation's future wealth. Entrepreneurial skills can encompass a large range of various skill sets like technical skills, leadership, business management skills, and creative thinking.

Communication and active listening skills:

Every entrepreneur must be able to communicate effectively with clients, team members, and all other stakeholders. Whether through verbal communication during meetings or sending reports and messages through emails about the project, entrepreneurs require superior written and verbal communication. Apart from communication skills, entrepreneurs must be excellent listeners to understand the project's requirements and discussion during the project meeting.

Risk-taking skills:

Being able to take calculated and intelligent risks is one of the essential entrepreneur skills to learn. Employees with an entrepreneur mindset never shy away from taking risks because they know that risk is an opportunity to learn and grow a business to the next level. Employers want candidates who can take risks in pursuit of potential gains and profit.

Networking skills:

Networking involves building and managing relationships with other professionals to grow and promote a business. Effective networking skills open up future opportunities and help build a solid brand. Networking like-minded professionals, building future teams and staying up-to-date with desirable skills for entrepreneurs because, through a solid network, they can meet professional business expertise and get feedback on their new venture or idea.

Critical thinking skills:

Critical thinking skills are an entrepreneur skill that objectively analyses the information and draws a rational conclusion. It helps entrepreneurs assess a situation and come up with candidates with critical thinking because it helps solve problems and build strategies for business growth. Usually, a

☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

DogaRangSang Research Journal
 দগো ডাগৰাৰ্ষণী পত্ৰিকা
 ISSN : 2347-7180
Bilingual & Multidisciplinary Journal
 Open access journal A monthly publishing journal

Home Archives Contact

UGC
 University Grants Commission
 Approved Journal

ABOUT US

Doga Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.
Arts, Social Sciences and Humanities:



**EVALUATING THE BENEFITS OF VALUE-ADDED FISH PRODUCTS IN
KANYAKUMARI DISTRICT****S.K. Antshel Reshiba.**, Research Scholar, Department of Commerce, Holy Cross College
(Autonomous), Nagercoil**Dr. C. Braba**, Research Guide and Assistant Professor, Department of Commerce, Holy Cross
College (Autonomous), Nagercoil**Abstract**

Value added fish products can serve a wide range of purposes. The expansion of fish processing has resulted in increasing quantities of by-products, which may represent up to 70 percent of processed fish. Value addition involves transformation of raw products into higher value goods. Value addition has opened a new field for the profitable utilization of by-catch and low value fish catches. There are number of advantages of value-added product which can provide another level of safety, increase shelf-life help to maintain a high level of quality, open new market opportunities, and offer a solution for supply issues and so on. Value-added fish and shellfish products usually undergo some level of processing that will inactivate and/or kill bacteria and pathogens. The inactivation or reduction of bacteria in a food generally results in shelf-life extension and can also provide new market opportunities. Hence there is an urgent need to set up standards for value added fish products. The researcher made a thorough analysis over the study on evaluating the benefits of value added fish products with reference to Agastheeswaram taluk. The main aim of this present study focusing analyzes the benefits of value added fish products.

Keywords: Benefits, Value addition, Fish products, Value added fish products

Introduction

Fish is one of the most traded food commodities worldwide, with millions of people depending on fisheries and aquaculture as a source of employment, income and livelihoods. Fish has been recognized as a healthy food since the 1980s. In 2010 dietary published guidelines from the USDA (United States Department of Agriculture) recommend that consumers eat at least 2 meals of seafood per week, and preferably more. Other organizations such as the Institute of Medicine, the FAO (Food and Agriculture Organization) /World Health Organization (WHO) also recommend consumption of 2 servings per week of a variety of fish. These recommendations are based on EPA (eicosapentaenoic acid) / DHA (Docosahexaenoic acid) of about 250 mg per day (DGAC, 2010; FAO/WHO, 2008).

Value is one of the most important modern marketing concepts. We must recognize that value is a mix of quality, service and price. There are number of advantages of value-added product which can provide another level of safety, increase shelf-life, help to maintain a high level of quality, open new market opportunities, offer a solution for supply issues. Value-added fish and shellfish products usually undergo some level of processing that will inactivate and/or kill bacteria and pathogens. The inactivation or reduction of bacteria in a food generally results in shelf-life extension and can also provide new market opportunities. It not only increased the safety of the product but also developed several new products unique to the consumer. In agriculture and a green business, value addition involves transformation of raw products into higher value goods. For example, processing maize into flour and packing it, drying herbs and grinding them into powder, canning products, pasteurizing milk, drying and packaging products, marinating, sun drying and curing fish. Crafts and trees can be made into different products like furniture, bags and ornaments. Different other products from different raw materials can also be made like perfume from flowers, herbal drugs and ailments.

Value addition can be done on both small and large scale. Small scale value addition is done at home, small farms and factories while on large scale it's done in large factories and involves profuse production and use of complex machines for processing products into goods like processed foods, beauty products like perfumes, health products like drugs, and tangible goods like furniture,

☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

DogaRangSang Research Journal
 দগো ডাগৰৰ্ষেণী পত্ৰিকা
 ISSN : 2347-7180
 Bilingual & Multidisciplinary Journal
 Open access journal A monthly publishing journal

UGC University Grants Commission Approved Journal

ABOUT US

Doga Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drsrcjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.
Arts, Social Sciences and Humanities:



FACTORS INFLUENCING THE PURCHASE OF FISH AND FISHERY PRODUCTS IN KANYAKUMARI DISTRICTS

S.K. Antshel Reshiba Research Scholar, Department of Commerce (Reg. No. 19213041012001), Holy Cross College (Autonomous), Nagercoil (Affiliated to Manonmaniam Sundaranar University), Tirunelveli.

Dr. C. Braba Research Guide and Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil (Affiliated to Manonmaniam Sundaranar University), Tirunelveli.

Abstract

Consumption is a key element in production and marketing decisions. Fish consumers play a key role because fishermen and distributors distinguish their purchase choices as a determinant to their operation. Many relevant factors that influence fish consumption are the nutritional value of the product, price of the product, convenience, brand name, range and variety of product, availability under one roof, credit facility and freshness of the fish quality of fish products. The aim of this study is to reveal and measure how these important factors influence consumers when buying fish and fishery by-products. The study aimed to explain these results based on subjective and objective knowledge of the health benefits of fish, fish consumption, and social and demographic characteristics. This study was based on data collected from 60 consumers who responded to a questionnaire. This article suggests that fresh fish and regularly fish-eating habits are the most important factors that influence buying behavior when it comes to fish and fishery by-products in Kanyakumari District. Also, most consumers reported using fish quality as the main driver of buying behavior of fish and fishery by-products. The researcher made a thorough analysis over the study on factor influencing buying fish and fish by-products with reference to Agastheeswaram taluk.

Keywords: Factor influencing, fish products, fish, buying fish and fish by-products, fishery products, value-added fish products.

Introduction

Fisheries have a significant place in the Indian economy as it acts as a source of income and employment for numerous fishermen, particularly in coastal areas. Fish and other aquatic animals are an important source of food as it is rich in proteins, minerals, and vitamins. Fish and fishery products are viewed as a healthier source of protein than red meat. The volume of worldwide fish production amounted to 174.6 million metric tons in 2020, up from 148.1 million metric tons in 2010. Fish is one of the most broadly consumed foods in the world, and it is only becoming more popular over time. This statistic shows the total world fish production from 2007 to 2021, 84.1 million metric tons were raised in aquaculture. Quality food with good taste fish is an overlooked food source for many people. Eating fish is a great alternative to eating red meat, potentially providing a broad range of health benefits from heart health to improved symptoms of depression.

Some developing countries mostly consider a future increase in food demand and consumption in view of the population increase. Seafood industry will evolve as a consequence of specific consumer demands, both in developing and developed countries. Fish consumption around the world and consumer demand for seafood is increase in past few decades. It is widely known that quick populace development and income improvement in some developing countries, and developing health consciousness in a few developed countries, are the fundamental factors that have contributed to the expansion in the utilization of fishery products in the past few decades. Seafood is lifesaving. As per a Harvard study, eating 8 ounces of fish every seafood each week reduces the risk of dying from heart disease by 36 per cent.

Seafood gives essential nutrients to the body. Fish is a nutrient-rich food, high in vitamins A, B, and D, as well as omega-3 fatty acids and omega-3 fatty acids, which help in IQ, cognitive development and eye health. Access nutrient-rich foods that promote good health and help to reduce the risk of any disease. Fish is an excellent protein that contains fundamental vitamins and minerals. Fish is also rich in calcium and phosphorus and extraordinary wellspring minerals, such as iron, zinc,

☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



DogaRangSang Research Journal
 দগো ডাগৰৰ্ষণী পত্ৰিকা
 ISSN : 2347-7180
Bilingual & Multidisciplinary Journal
 Open access journal A monthly publishing journal

UGC Approved Journal

ABOUT US

Doga Rangsang Research Journal in short **D.R.S. Research Journal** with ISSN 2347-7180 is an **UGC CARE group I**, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.
Arts, Social Sciences and Humanities:



PROBLEM FACED BY WOMEN ENTREPRENEURS

V.REGIMA Research Scholar in Commerce, Reg. No. 19213041012018 Holy Cross College (Autonomous), Nagercoil (Affiliated to Manonmaniam Sundaranar University), Tirunelveli.

Dr. C. BRABA Assistant Professor and Research Supervisor in Commerce, Holy Cross College (Autonomous), Nagercoil.

Abstract:

This study focused on the analysis of problems and prospects of women entrepreneurs. The study revealed that the majority of the sample respondents face technology obsolescence due to non-adaptation or slow adaptation to changing technology which is a major factor of high cost of production. The sample size was 60. The primary data were analysed using percentages, mean rank, and ANOVA. Indian women are naturally weak, shy and mild. So, entrepreneurship training is very important to women entrepreneurs. Reasons for women to become entrepreneurs are self-esteem, self-confidence, self-determination and career goals. Thus, this paper focuses on the problems and prospects of women entrepreneurs in Kanniyakumari district.

Keywords: Women Entrepreneur, Prospects, Problem of Finance, Technological Knowledge

Introduction

Entrepreneurship is the process in which women initiate a business, gather all resources (information), undertake risk, face challenges, provide employment to others, and manage the business independently. Women entrepreneurs are those women who think of a business enterprise, initiate it, organize and combine factors of production, operate the enterprise and undertake risks and handle economic uncertainty involved in running it. When a woman legally owns and operates an enterprise, holding a minimum of 51 per cent share capital and employing more than 51 per cent of women, it is a women-led enterprise and the initiative is women entrepreneurship. Entrepreneurship is a challenge, and even more so if they are a woman. Despite their efforts and expertise, female entrepreneurs often struggle a lot more than their male counterparts to make it big and get recognized within the business community. Some of the problems faced by women entrepreneurs are as follows.

Finance

Family members do not encourage women entrepreneurs. They hesitate to invest money in the business ventures initiated by women entrepreneurs. The bank also considers women as less creditworthy and discourages women borrowers on the belief that they can at any time leave their business. Entrepreneurs are bound to rely on their own savings if any and loans from friends and relatives who are expectedly meagre and negligible. Thus, women enterprises fail due to the shortage of finance.

Unfavourable Environments

Society is dominated by males. Many businessmen are not interested in having business relationships with women entrepreneurs. Male generally do not encourage women entrepreneurs.

Scarcity of Raw Material

Scarcity of raw materials is yet another important problem faced by women entrepreneurs. The price of raw materials is very high and women entrepreneurs usually get the raw materials at a minimum discount.

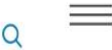
Role conflict

Marriage and family life are given more importance than career and social life in Indian society.

Lack of Education

Women are generally denied for higher education, especially in rural areas and developing countries. Women are not allowed to enrich their knowledge in technical and research areas to introduce new products.

Stiff Competition and limited Mobility



Source details

NeuroQuantology

Scopus coverage years: from 2007 to 2022
(coverage discontinued in Scopus)

Publisher: Anka Publishers

ISSN: 1303-5150

Subject area: Physics and Astronomy: Atomic and Molecular Physics, and Optics Neuroscience: Cognitive Neuroscience
Neuroscience: Developmental Neuroscience

Source type: Journal

CiteScore 2021 ⓘ
1.3

SJR 2021 ⓘ
0.285

SNIP 2022 ⓘ
0.380

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. [Learn more >](#)

CiteScore 2021 ▼

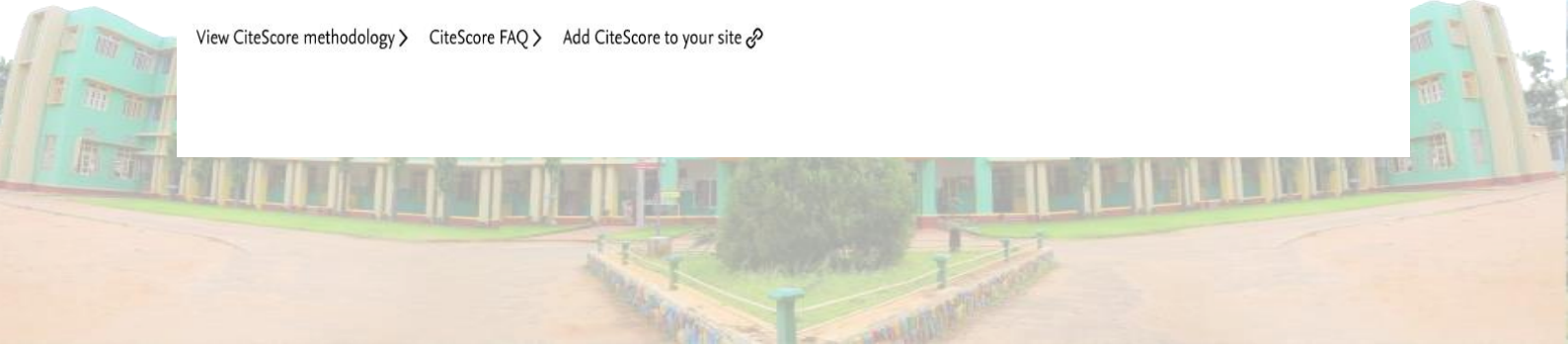
$$1.3 = \frac{1,044 \text{ Citations 2018 - 2021}}{781 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScore rank 2021 ⓘ

Category	Rank	Percentile
Physics and Astronomy	#160/205	22nd
Atomic and Molecular Physics, and Optics		
Neuroscience	#85/107	21st
Cognitive Neuroscience		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site ↗](#)



NeuroQuantology

An Interdisciplinary Journal of Neuroscience and Quantum Physics

[Home](#)
[For Authors](#)
[Copyright](#)
[Archives](#)
[Special Issue](#)
[Editorial Board](#)
[Contact Us](#)
[Submit Manuscript](#)


Welcome to

Neuroquantology

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective.

PUBLISH WITH US →

Journal Cover



NeuroQuantology

Q3 Atomic and Molecular Physics, and Optics
best quartile

SJR 2021
0.29

powered by scimagojr.com

SUBMIT PAPER

Indexed In

→ indexing

Useful Links

→ Author Instruction

→ Publication Ethics

→ Open Access Statement

0.453

Impact Factor

34%

Acceptance Rate

7 days

Submission to final decision

30 days

Submission to publication

About the Journal

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective. NeuroQuantology is published monthly.

NeuroQuantology aims to promote scientific dialogue and collaboration among researchers, practitioners, and scholars in the fields of neuroscience, quantum physics, psychology, philosophy, and related disciplines. The journal welcomes empirical, theoretical, and methodological contributions that enhance our understanding of the mind-brain relationship and the fundamental principles of quantum mechanics that apply to the study of cognition and behavior.

Some of the key topics covered in NeuroQuantology include quantum information processing in the brain, quantum coherence and entanglement in neural networks, quantum-inspired models of brain function, quantum-inspired models of perception and decision-making, quantum consciousness, and the philosophical and ethical implications of quantum approaches to neuroscience.

NeuroQuantology is committed to providing high-quality, rigorous, and timely peer review and publication services to authors worldwide. The journal operates on a continuous publishing model, with accepted articles

Submit Manuscript

Submit manuscript at [Online Article Submission](#) page or send as an e-mail attachment to the Editorial Office at submissions@neuroquantology.com

Table of Contents

[View Archive](#)

Recently Published Articles

<p>UTILIZING MACHINE LEARNING TECHNIQUES FOR CYBER ATTACK DETECTION IN NETWORKS</p> <p><small>Ujjwal Lakshmi, Dr. M. Suresh Babu, Dr. V. S. Suresh, Dr. S. Suresh, Dr. S. Suresh</small></p> <p style="text-align: right;">PDF Read Article</p>	<p>ENHANCING HOSPITAL DATA SECURITY WITH BLOCKCHAIN AND AI INTEGRATION</p> <p><small>S. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu</small></p> <p style="text-align: right;">PDF Read Article</p>	<p>DYNAMIC ROAD DIVIDER FOR ENHANCED VEHICULAR TRAFFIC MANAGEMENT</p> <p><small>Dr. A. Rajasekaran, Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu</small></p> <p style="text-align: right;">PDF Read Article</p>
<p>DYNAMIC PERFORMANCE ENHANCEMENT OF SINGLE-PHASE CASCADED H-BRIDGE MULTILEVEL INVERTER USING A NOVEL CONTROLLER</p> <p><small>Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu</small></p> <p style="text-align: right;">PDF Read Article</p>	<p>IDENTIFYING FAKE ACCOUNTS ON SOCIAL MEDIA THROUGH ARTIFICIAL NEURAL NETWORKS</p> <p><small>Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu</small></p> <p style="text-align: right;">PDF Read Article</p>	<p>EXPLORING THE INFLUENCE OF BAGASSE ASH, STEEL FIBERS, AND POLYPROPYLENE FIBERS ON THE MECHANICAL PROPERTIES OF CONCRETE</p> <p><small>Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu, Dr. Suresh Babu</small></p> <p style="text-align: right;">PDF Read Article</p>





MOTIVATIONAL AND SUCCESS FACTORS: THROUGH THE LENS OF WOMEN ENTREPRENEURSHIP

V.REGIMA¹, Dr.C.BRABA²

¹Research Scholar in Commerce

Reg. No. 19213041012018

Holy Cross College (Autonomous), Nagercoil

15- 254 Chettiyar kulam, Peruvilai, Nagercoil,

Kanniyakumari District, Pin 629003, MOB No. 9445527957)

Corresponding Author Mail Id: vregimaraj@gmail.com

²Assistant Professor and Research Supervisor in Commerce

Holy Cross College (Autonomous), Nagercoil

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli – 627 012)

Abstract:

World over 1/3rd of the entrepreneurial ventures are run by women entrepreneurs. Special incentives and drives have been created in India to bolster the growth of women entrepreneurs. More than 50 per cent of Indians struggle to meet their most basic necessities and live in poverty. They can find a solution and escape poverty by launching an entrepreneurial venture, whether it be a small business, cottage industry, or handicraft. The sample size was 100. The primary data were analyzed in percentages and ANOVA. With growing awareness about the business and the spread of education, women have started shifting from 3Ps to 3Es, viz., engineering, electronics and energy. These are opportunities motivating educated women and even not highly qualified women to launch their own enterprises. Thus, this paper focuses on the motivational and success factors: through the lens of women entrepreneurs in Kanniyakumari District.

Keywords: Women entrepreneurs, Motivation factors, Independence, Economic Necessity

DOI Number: 10.48047/nq.2022.20.22.NQ10152

NeuroQuantology 2022; 20(22):1639-1644

1639

Introduction:

Women entrepreneurs may be defined as a woman or a group of women who initiate, organise and run a business concern. Women entrepreneurs are those who think of a business enterprise, initiate it, organise and combine factors of production, operate the enterprise, undertake risks, and handle the economic uncertainty involved in running it.

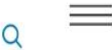
eISSN1303-5150

World over 1/3rd of the entrepreneurial ventures is run by women entrepreneurs. Due to economic progress, better access to education, urbanization, the spread of liberal and democratic culture and recognition by society, there has been a spurt in woman's entrepreneurship in India. Special incentives and drives have been created in India to bolster the growth of women entrepreneurs. Schemes like Start up India and Stand-ups also



www.neuroquantology.com





Source details

NeuroQuantology

Scopus coverage years: from 2007 to 2022
(coverage discontinued in Scopus)

Publisher: Anka Publishers

ISSN: 1303-5150

Subject area: Physics and Astronomy: Atomic and Molecular Physics, and Optics Neuroscience: Cognitive Neuroscience
Neuroscience: Developmental Neuroscience

Source type: Journal

CiteScore 2021 ⓘ
1.3

SJR 2021 ⓘ
0.285

SNIP 2022 ⓘ
0.380

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. [Learn more >](#)

CiteScore 2021 ▼

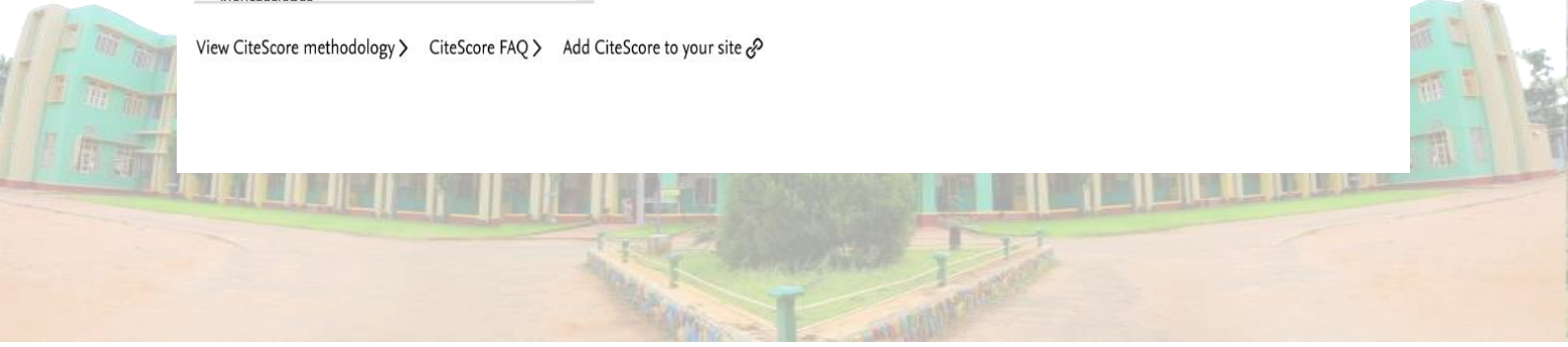
$$1.3 = \frac{1,044 \text{ Citations 2018 - 2021}}{781 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScore rank 2021 ⓘ

Category	Rank	Percentile
Physics and Astronomy	#160/205	22nd
Atomic and Molecular Physics, and Optics		
Neuroscience	#85/107	21st
Cognitive Neuroscience		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)





0.453 Impact Factor	34% Acceptance Rate	7 days Submission to final decision	30 days Submission to publication
-------------------------------	-------------------------------	---	---

About the Journal

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective. NeuroQuantology is published monthly.

NeuroQuantology aims to promote scientific dialogue and collaboration among researchers, practitioners, and scholars in the fields of neuroscience, quantum physics, psychology, philosophy, and related disciplines. The journal welcomes empirical, theoretical, and methodological contributions that advance our understanding of the mind-brain relationship and the fundamental principles of quantum mechanics that apply to the study of cognition and behavior.

Some of the key topics covered in NeuroQuantology include quantum information processing in the brain, quantum coherence and entanglement in neural networks, quantum-inspired models of brain function, quantum-inspired models of perception and decision-making, quantum consciousness, and the philosophical and ethical implications of quantum approaches to neuroscience.

NeuroQuantology is committed to providing high-quality, rigorous, and timely peer review and publication services to authors worldwide. The journal operates on a continuous publishing model, with accepted articles

Submit Manuscript
Submit manuscript at [Online Article Submission](#) page or send as an e-mail attachment to the Editorial Office at submitations@neuroquantology.com

Table of Contents
[View Archive](#)

SUBMIT PAPER

Indexed In
> indexing

Useful Links
> Author instruction
> Publication Ethics
> Open Access Statement

Recently Published Articles

<p>UTILIZING MACHINE LEARNING TECHNIQUES FOR CYBER ATTACK DETECTION IN NETWORKS</p> <p><i>J. D. Lakshmi, D. M. Sree Ram Lakshmi, T. S. Sathish, Suresh Madhav</i></p> <p>PDF Read Article</p>	<p>ENHANCING HOSPITAL DATA SECURITY WITH BLOCKCHAIN AND AI INTEGRATION</p> <p><i>S. Hemanth Kumar, D. Rajeshwar, K. S. R. Praveen, Suresh Madhav, Suresh</i></p> <p>PDF Read Article</p>	<p>DYNAMIC ROAD DIVIDER FOR ENHANCED VEHICULAR TRAFFIC MANAGEMENT</p> <p><i>S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar</i></p> <p>PDF Read Article</p>
<p>DYNAMIC PERFORMANCE ENHANCEMENT OF SINGLE-PHASE CASCADED H-BRIDGE MULTILEVEL INVERTER USING A NOVEL CONTROLLER</p> <p><i>S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar</i></p> <p>PDF Read Article</p>	<p>IDENTIFYING FAKE ACCOUNTS ON SOCIAL MEDIA THROUGH ARTIFICIAL NEURAL NETWORKS</p> <p><i>S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar</i></p> <p>PDF Read Article</p>	<p>EXPLORING THE INFLUENCE OF BAGASSE ASH, STEEL FIBERS, AND POLYPROPYLENE FIBERS ON THE MECHANICAL PROPERTIES OF CONCRETE</p> <p><i>S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar, S. S. Sathish Kumar</i></p> <p>PDF Read Article</p>





CUSTOMER SATISFACTION TOWARDS FISH AND FISH-BASED PRODUCTS IN KANYAKUMARI DISTRICT WITH SPECIAL REFERENCE TO AGASTHEESWARM TALUK

¹S.K.Antshel Reshiba ²Dr.C.Braba

¹Research Scholar

Reg. No. 19213041012001

Department of Commerce

Holy Cross College (Autonomous),
Nagercoil

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

²Research Guide and Assistant Professor

Department of Commerce

Holy Cross College (Autonomous)

Nagercoil

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Abstract

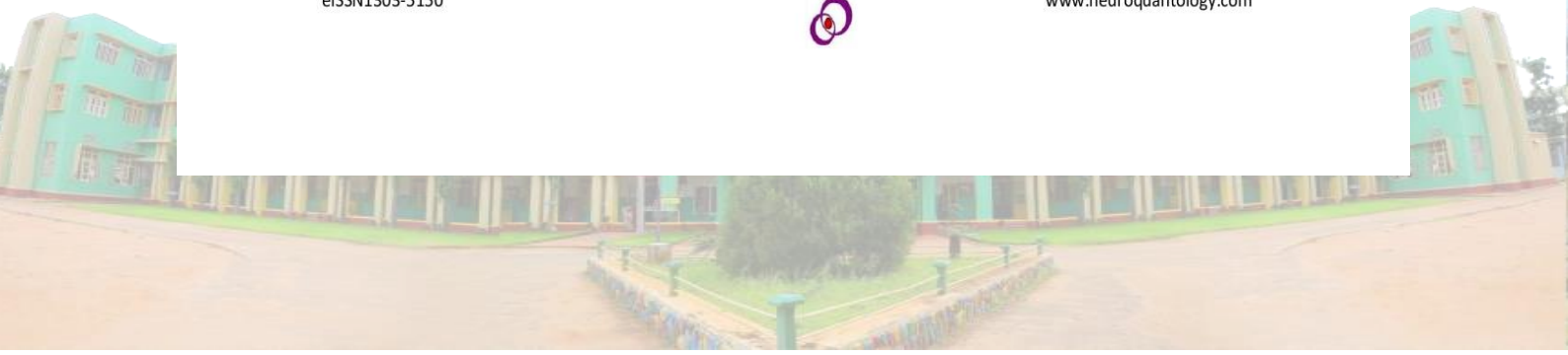
To fulfill the nutritional demands of India's growing population, fish will be a key food item in the overall scheme of national food security. To fulfill the nutritional demands of India's growing population, fish will be a key food item in the overall scheme of national food security. Customers nowadays seek healthy and organic foods. As far as customer satisfaction with processed fish, there are certain challenges for the seafood industry. The study focused on customer satisfaction towards value-added fish products. The study is based on subjective and objective knowledge of the future prospects of value-added fish products, social and demographic characteristics. The findings of the study were based on data collected from 100 respondents who responded to a questionnaire. The result of the findings exposed that innovative product development, eco labeling products with concern to consumer requirements are the main aspect to enhance the customer acceptance on the products.

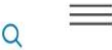
Keywords: Consumer preference, customer satisfaction, value-added fish, fish and fish-based products, sea food products.

1526

DOI Number: 10.48047/nq.2022.20.22.NQ10137

NeuroQuantology 2022; 20(22):1526-1532





Source details

NeuroQuantology

Scopus coverage years: from 2007 to 2022
(coverage discontinued in Scopus)

Publisher: Anka Publishers

ISSN: 1303-5150

Subject area: Physics and Astronomy: Atomic and Molecular Physics, and Optics Neuroscience: Cognitive Neuroscience
Neuroscience: Developmental Neuroscience

Source type: Journal

CiteScore 2021 ⓘ
1.3

SJR 2021 ⓘ
0.285

SNIP 2022 ⓘ
0.380

- [View all documents >](#)
- [Set document alert](#)
- [Save to source list](#)

[CiteScore](#) [CiteScore rank & trend](#) [Scopus content coverage](#)

i Improved CiteScore methodology ✕

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. [Learn more >](#)

CiteScore 2021 ▾

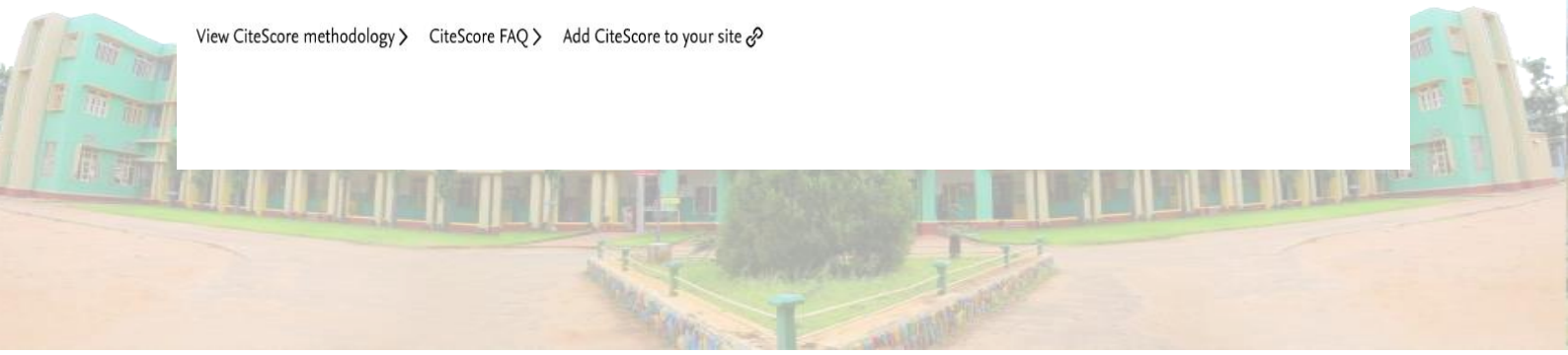
$$1.3 = \frac{1,044 \text{ Citations 2018 - 2021}}{781 \text{ Documents 2018 - 2021}}$$

Calculated on 05 May, 2022

CiteScore rank 2021 ⓘ

Category	Rank	Percentile
Physics and Astronomy	#160/205	22nd
Atomic and Molecular Physics, and Optics		
Neuroscience	#85/107	21st
Cognitive Neuroscience		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site](#)



Home For Authors - Copyright Archives Special Issue - Editorial Board Contact Us Submit Manuscript

Welcome to

Neuroquantology

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective.

[PUBLISH WITH US →](#)

Journal Cover



NeuroQuantology

Quantum Physics and its Relation to the Nervous System

Editorial Board

NeuroQuantology

Q3 Atomic and Molecular Physics, and Optics
best quartile

SJR 2021 0.29
powered by scimagojr.com

0.453 Impact Factor	34% Acceptance Rate	7 days Submission to final decision	30 days Submission to publication
------------------------	------------------------	--	--------------------------------------

About the Journal

NeuroQuantology is an international, interdisciplinary, open-access, peer-reviewed journal that publishes original research and review articles on the interface between quantum physics and neuroscience. The journal focuses on the exploration of the neural mechanisms underlying consciousness, cognition, perception, and behavior from a quantum perspective. NeuroQuantology is published monthly.

NeuroQuantology aims to promote scientific dialogue and collaboration among researchers, practitioners, and scholars in the fields of neuroscience, quantum physics, psychology, philosophy, and related disciplines. The journal welcomes empirical, theoretical, and methodological contributions that enhance our understanding of the mind-brain relationship and the fundamental principles of quantum mechanics that apply to the study of cognition and behavior.

Some of the key topics covered in NeuroQuantology include quantum information processing in the brain, quantum coherence and entanglement in neural networks, quantum-inspired models of brain function, quantum-inspired models of perception and decision-making, quantum consciousness, and the philosophical and ethical implications of quantum approaches to neuroscience.

NeuroQuantology is committed to providing high-quality, rigorous, and timely peer review and publication services to authors worldwide. The journal operates on a continuous publishing model, with accepted articles

Submit Manuscript

Submit manuscript at [Online Article Submission](#) page or send as an e-mail attachment to the Editorial Office at submissions@neuroquantology.com

Table of Contents

[View Archive](#)

[SUBMIT PAPER](#)

Indexed In

[Indexing](#)

Useful Links

[Author Instruction](#)

[Publication Ethics](#)

[Open Access Statement](#)

Recently Published Articles

<p>UTILIZING MACHINE LEARNING TECHNIQUES FOR CYBER ATTACK DETECTION IN NETWORKS</p> <p>PDF Read Article</p>	<p>ENHANCING HOSPITAL DATA SECURITY WITH BLOCKCHAIN AND AI INTEGRATION</p> <p>PDF Read Article</p>	<p>DYNAMIC ROAD DIVIDER FOR ENHANCED VEHICULAR TRAFFIC MANAGEMENT</p> <p>PDF Read Article</p>
<p>DYNAMIC PERFORMANCE ENHANCEMENT OF SINGLE-PHASE CASCADED H-BRIDGE MULTILEVEL INVERTER USING A NOVEL CONTROLLER</p> <p>PDF Read Article</p>	<p>IDENTIFYING FAKE ACCOUNTS ON SOCIAL MEDIA THROUGH ARTIFICIAL NEURAL NETWORKS</p> <p>PDF Read Article</p>	<p>EXPLORING THE INFLUENCE OF BAGASSE ASH, STEEL FIBERS, AND POLYPROPYLENE FIBERS ON THE MECHANICAL PROPERTIES OF CONCRETE</p> <p>PDF Read Article</p>



A STUDY ON E-WALLET AWARENESS AND ITS USAGE IN KANNIYAKUMARI DISTRICT

S.MELFIA¹ and Dr.C.K.SUNITHA²

¹Research scholar in Commerce

Reg no: 19213041012013

Email ID: melfiaroy@gmail.com

Holy cross college (Autonomous), Nagercoil, Kanniyakumari

²Assistant Professor and Research Supervisor in Commerce

Holy cross college (Autonomous), Nagercoil, Kanniyakumari

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli-627 012)

ABSTRACT

E-wallet is an internet based payment system which allows the users to make online transactions quickly and it keeps financial as well as personal identity related information securely. Such electronic payment (E-wallet) systems enable a customer to pay online for the goods and services. E-wallets are primarily used for mobile recharges and bill payments. During the last decade, customers are using E-wallet for payment trending in Indian payment pattern. COVID-19 pandemic effect, E-wallet has tremendous growth in India. With the Government initiative such as Digital India and increased use of smartphone and internet are means to exponential growth in use of E-wallet. The present study is an attempt to clarify the concept of E-wallet and to analyse the awareness and usage of E-wallet in Nagercoil, Kanniyakumari district. The study is descriptive and analytical in nature which makes use of primary and secondary data. For the purpose of study, well-structured questionnaire is prepared to collect the data from the respondents. A sample of 120 respondents from Nagercoil is selected by using convenient sampling technique. The study pointed out the necessity of proper awareness towards E-wallet among all category of people and to solve the concerns and issues of the present customers. This study leads to perform better in future.

Keywords: E-wallet, Awareness, Usage of E-wallet, Online transaction.

DOI Number: 10.48047/NQ.2022.20.14.NQ77239

NeuroQuantology 2022;20(14):2640-2646

1. Introduction

E-wallet refers to an electronic wallet, an application that facilitates online transactions and cashless in-store payments. E-wallet applications run through smartphones and computers. The latest technological innovations have brought in new conveniences

to everyday life. E-wallet is one such innovation, allowing customers to make purchases without the use of cash. These wallets can be used for simple transactions both online and in stores. E-wallets offer the ease to make swift payments online or at physical stores. E-wallets can be used to purchase train or flight tickets, pay

eISSN1303-5150



www.neuroquantology.com

☰ UGC-CARE List

Journal Details

Journal Title (in English Language)	Madhya Bharti- Humanities and Social Sciences
Journal Title (in Regional Language)	मध्य भारती- मानविकी एवं सामाजविज्ञान
Publication Language	English , Hindi
Publisher	Dr. Harisingh Gour University
ISSN	0974-0066
E-ISSN	NA
Discipline	Multidisciplinary
Subject	Arts and Humanities (all) , Social Sciences (all)
Focus Subject	General Arts and Humanities , General Social Sciences
UGC-CARE coverage years	from September-2019 to Present

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

[Skip to main content](#) [Screen Reader](#) [A-](#) [A](#) [A+](#) [IQAC](#) [Feedback](#) [Publications](#) [Achievements](#) [Alumni](#) [Accreditation](#) [Contact Us](#) [Site Menu](#) [Help](#) [Old Website](#)



डॉ॰ हरीसिंह गौर विश्वविद्यालय, सागर (म.प्र.)
Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)
 "A Central University" | A* Grade By NAAC (Fourth Cycle)



[ABOUT US](#) [ADMINISTRATION](#) [ACADEMICS](#) [DEPARTMENTS](#) [ADMISSIONS](#) [EXAMINATION](#) [AMENITIES](#) [CENTRES](#) [STUDENT](#) [QUICK LINKS](#)

[Home](#) / [Site Menu](#) / [Uncategorised](#) / [Madhya Bharti](#)

Madhya Bharti

Madhya Bharti has Two Journals

Madhya Bharti Humanities and Social Sciences

Contact Details

Telephone: 07582-297133

Email: madhyabharti.2016@gmail.com

Editorial Board

Prof. Ambika Dutta Sharma (Chief Editor)

Prof. B.I. Guru (Editor)

Prof. B.K. Shrivastav (Editor)

Dr Ashutosh Mishra (Editor)

Dr Chhabil Kumar Mehar (Editorial Manager)

Madhya Bharti Journal of Science

Contact Details

Telephone: 07582-297133

Email: madhyabharti.2016@gmail.com

Editorial Board

Prof. Archana Pandey (Chief Editor)

Prof. Sanjay K. Jain (Editor)

Prof. Naveen Kango (Editor)

Prof. Shweta Yadav (Editor)

Prof. Ratnesh Dash (Editorial Manager)



Madhya Bharti (मध्य भारती)

ISSN: 0974-0066

UGC Care Group I Journal

Vol-82 No. 07 July – December: 2022

CONSUMER BUYING BEHAVIOUR OF SOFT DRINKS IN KAVALKINARU JUNCTION

Ms. A. Franklin Ragila, Assistant Professor of commerce, Holy Cross College (Autonomous), Kanyakumari District - 629002. franklinragila@holycrossngl.edu.in

Dr. R. Evalin Latha, Assistant Professor of Commerce, Holy Cross College (Autonomous), Kanyakumari District - 629002.

Dr. E. Sahaya Ugin Mary, Assistant Professor of Commerce, Nanjil Catholic College of Arts and Science, Kaliyakkavilai - 629153.

Affiliated to **Manonmanium Sundaranar University**, Abishekapatti, Tirunelveli-627012. Tamilnadu, India.

ABSTRACT

Consumers are the kings of business. The study of consumer behaviour is as important as managing finance. Without consumers no business can run and each and every activity of the business concerns end with consumers and consumer satisfaction. India is a well-populated country. Demand for all products is firmly embedded in social, economic, cultural aspects. Soft drinks are considered as an energy booster and refreshment product. Soft drinks product also plays an important role in the consumers market. Soft drinks require quick purchase decision, and thus, buying behaviour is a considerable term nowadays. The term "soft drink" is a category in the beverage industry, and is broadly used in product labelling and on restaurant menus. This study examined the consumer buyer behaviour and the result reveals that consumers are influenced by four major factors such as taste, friends and family, habit and advertisement. The major attributes of consumers buying behaviour are availability and lifestyle.

Keywords: soft drink, taste, preference, buying behaviour,

INTRODUCTION

A soft drink is a drink which usually contains water with a sweetener usually but not necessarily carbonated with a natural and/or artificial flavouring. The first marketed soft drinks appeared in the 17th century as a mixture of water and lemon juice sweetened with honey. Buying behaviour is complex and influenced by many factors, some of which may conflict with so-called rational decision making, the interactions of groups and personal behaviour, the interactions between attitudes and behaviour, the challenges of authority and status. The profound, and sometimes subtle, effects of culture of consumption make up, in part, the intricate web of influences which surrounds patterns of consumptions. In the earlier years, consumers shopped to satisfy their needs and wants but today their taste and preference have changed. Soft drinks have become part and parcel of our day today life style. Each and everyone in the country enjoy drinking a soft drink may it be a children, or a college student or a housewife or the old aged. Gone are the days when one used to have a soft drink just to combat a sunny day, but today with the lifestyle changes, soft drinks are enjoyed with almost every meal that one has outside his/her home. The soft drinks industry in India is categorized on the basis of production of carbonated and non-carbonated drinks. The carbonated drinks include flavours like cola, lemon and orange and the non-carbonated drinks segment includes mango, pineapple, litchi flavours.



☰ UGC-CARE List

UGC-CARE List

You searched for "2278-6864". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Education and Society (print only)	Indian Institute of Education	2278-6864	NA	from September-2019 to July- 2024	Discontinued from July 2024

Showing 1 to 1 of 1 entries

Previous 1 Next

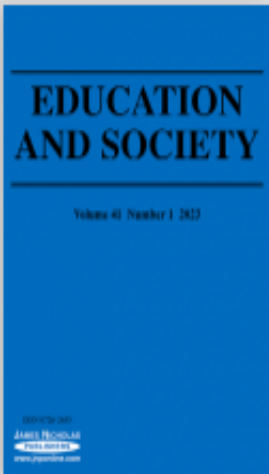
◀ ▶

JAMES NICHOLAS

PUBLISHERS

[Journals](#) [Abstracts](#) [For Authors](#) [About Us](#) [Contact Us](#)

[Submit an Article](#)



Education and Society

2 issues per year

Education and Society provides a forum, where teachers and scholars throughout the world, are able to evaluate current issues and problems in education and society from a balanced and comparative social, cultural and economic perspective.

Education and Society is used by teachers, academics, research scholars, educational administrators and graduate students.

Education and Society is double blind peer reviewed.

The journal has no publication fees.

Editor Joseph Zajda, Australian Catholic University

ISSN ISSN: 0726-2655 (print), 2201-0610 (online)

- [Read Online](#)
- [Subscribe](#)
- [Submit an Article](#)



IMPACT OF SELF-HELP GROUPS ON WOMEN EMPOWERMENT – WITH SPECIAL REFERENCE TO KANYAKUMARI DISTRICT**Dr. R. Evalin Latha** (Assistant Professor of Commerce, Holy Cross College (Autonomous), Nagercoil)**Ms. A. Franklin Ragila** (Assistant Professor of Commerce, Holy Cross College (Autonomous), Nagercoil)**Dr. J. Bhavani** (Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil)**Dr. V. Ahila** (Assistant Professor of Commerce, Scott Christian College (Autonomous), Nagercoil)**Ms. K. B. Steffi** (Assistant Professor of English, Holy Cross College (Autonomous), Nagercoil)**ABSTRACT**

Self-help Groups (SHGs) are playing a major role in removing poverty in the rural India today. The group-based model of self-help is widely practiced for rural development, poverty alleviation and empowerment of women. It aims to mobilize people, to give them voice and build people's organizations that will overcome barriers to participation and empowerment. Central to the idea of self-help is the formation of groups, concept of a community and the development of cordial relationships that will promote people's wellbeing. Self Help Groups serve as a medium of delivering micro credit to the members. This proposed research work aims at focusing impact of self help groups on women empowerment with special reference to Kanyakumari district.

KEY WORDS: *removing poverty, women empowerment, micro credit, self help groups, community development...*

INTRODUCTION

A self-help group is a small community of people who meet together on a regular basis to gain and provide support in overcoming a common issue or occurrence. Self-help groups can benefit people with a wide variety of struggles. Individuals with mental health concerns, financial struggles, substance abuse concerns, non-substance addictions, facing grief or loss, or a history of trauma, can usually find a self-help group for local support.


Self-help Groups (SHGs) are playing a major role in removing poverty in the rural India today. The group-based model of self-help is widely practiced for rural development, poverty alleviation and empowerment of women. Self-help as a strategy for social development places emphasis on self-reliance, human agency and action. It aims to mobilize people, to give them voice and build people's organizations that will overcome barriers to participation and empowerment. Central to the idea of self-help is the formation of groups, concept of a community and the development of egalitarian relationships that will promote people's wellbeing. Self Help Groups serve as a medium of delivering micro credit to the members

SHGs increase savings habits of women, helps women to raise loans, encourage women to start their income generating activities and provide bank linkage so as to gain banking facilities and services. By doing so, they increase economic freedom of women and increase the status of women in their family and society.

STATEMENT OF THE PROBLEM

Self-Help Groups are formed for the women's socio-economic empowerment. Women participation in Self Help Groups have obviously created tremendous impact upon the life pattern and style of poor women and have empowered them at various levels not only as individuals but also as members of the family members of the community and the society as whole. They come together for the purpose of solving their common problems through self-help and mutual help. Hence the present study highlights the impact of Self-Help Groups on Women Entrepreneurship in Kanyakumari District.




SAVITRIBAI PHULE PUNE UNIVERSITY

Home

UGC

Search

≡ UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME | ABOUT | FOR AUTHORS | ETHICS & DISCLOSURES | ALL VOLUMES & ISSUES | CONTACT

HOME > JOURNAL > **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Baderwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan





**METHODS OF PERFORMANCE APPRAISAL IN PUBLIC BANKING SECTOR WITH
SPECIAL REFERENCE TO KANYAKUMARI DISTRICT**

Ist Author: **A. Franklin Ragila**, Research Scholar Regn. No. 19123041012013 & Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil-629002.
franklinragila@holycrossngl.edu.in

IInd Author: **Dr. J. Divya Merry Malar**, Research Supervisor & Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil-629002.
Affiliated to Manonmanium Sundaranar University, Abishekapatti, Tirunelveli-627012. Tamilnadu, India.

ABSTRACT

Banks are considered as the backbone of a country's economy. The banking sector in India is mostly dominated by the public sector banks. The public sector banks in India alone account for about 75 per cent of the total advances in the Indian banking industry. More and more banks are leaning in favour of conducting performance appraisal because it will help them to accomplish the business goals at a faster pace. The performance appraisal process should be calculated over sometime so that both the public sector banks and its employees can have a better idea about the performance on an annual basis. The performance appraisal process is a formal interaction between an employee and his manager that takes the form of a structured interview to examine and discuss strengths and weaknesses. This is undertaken to improve the current skills and knowledge and offer further opportunities for improvement, development, and growth among the bank employees. In this study, the methods, uses and the benefits of performance appraisal have been studied by the researchers.

KEY WORDS: performance appraisal, bank employees, performance appraisal process,

INTRODUCTION

Appraisal means estimation of a person's worth or an object. Performance appraisal implies the evaluation of workers' worth in terms of organisational performance. It is a systematic way of reviewing and assessing the performance of an employee during a given period of time. It is a process of obtaining, analysing and recording information about the relative worth of an employee.

According to Flippo, "Performance appraisal is the systematic, periodic and an impartial rating of an employee's excellence in the matters pertaining to his present job and his potentiality for a better job." Employee performance appraisal system is defined as a process in which a predefined standard of factors such as work knowledge, work performance, work attitude, leadership quality, team player behaviour, consistency, decision making abilities and skills are created and then the actual performance as well as personality of employees is compared with these expected standards by the organisation. The comments or feedback in performance appraisal are the most important parts in performance appraisal system. The performance appraisal process has been used as a deciding factor for career development and in most cases, promotions and salary rise are directly dependent on it.

The performance appraisal is an opportunity for the employees who are concerned about their performance in the job. It should not be a top down process or an opportunity for one person to ask questions and the other to reply. It should be a free flowing conversation in which a range of views are exchanged.

☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer


Home
Archives
Contact



DogoRangSang Research Journal

দগো ডাগৰ্ষেণী পত্ৰিকা

ISSN : 2347-7180

Bilingual & Multidisciplinary Journal

Open access journal

A monthly publishing journal



জ্ঞান-বিজ্ঞান বিদ্যুৎ
UGC
University Grants Com
Approved Journal

ABOUT US

Dogo Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drsrcjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.

Arts, Social Sciences and Humanities:



A STUDY ON CUSTOMER PREFERENCE ON FASHION E-COMMERCE SITES IN NAGERCOIL TOWN**Dr.M. Charles Dayana**, Assistant Professor of Commerce, Holy Cross College (Autonomous), Nagercoil**Abstract**

The world economy is witnessing a transition. All companies are transformed into information-based operations through online technologies. The pace of technical transition is so exponential that modern electronic commerce is now making significant shifts in the economic environment, impacting all areas of industry. The Web has expanded companies' scope. The vast quantity of business information made accessible by the global network that facilitates the gathering of information between firms, a corporation, its clients and the various divisions of a business is increasing exponentially. The information-based virtual value chains for any company cannot be overlooked operationally or strategically. This review article discussed the aspects of electronic commerce including its importance, facilitators, benefits, challenges and scope in the Indian market.

Keywords: Business, Consumer, Electronic commerce, Internet, Market strategy, Growth, Profit.

Introduction

E-commerce is also known as electronic commerce, which is an activity of electronically buying and selling of the products and services through the use of internet as a medium. There are various technologies that are involved in doing e-commerce business such as internet marketing, mobile commerce, electronic data interchange. Electronic commerce has totally changed the lifestyle and living standard of the consumers. Most of the customers, especially youngsters are moving from brick-and-mortar shops to online business sites. In this study, we are focusing only on "Fashion E-commerce sites". A few years ago, fashion stores thrived more on the experience of touch, feel and smell. Even though there are various fashion malls and stores in the country, majority of them are now shipping towards online shopping. The ease, convenience and other benefits of online fashion shopping have shifted the people towards the e-commerce platform. The provision of proper information and comparison of the products through e-commerce platforms have boosted the customer satisfaction. The major companies that are selected for this comparative study are **Myntra, Ajio, Nykaa, Jabong**.

Statement of the Problem

The explosion of the internet has revolutionized the retailing sector for evermore has more people prefer to buy products at the comfort of their homes and offices. This sudden surge of the number of people using online fashion shopping services has induced several research efforts aimed at understanding the factors leading to customer satisfaction in an online environment. Research contributing to understanding the importance of various dimensions of that online fashion shopping service quality comprises of and their impact on customer satisfaction is limited. It is against this backdrop that: this project examines the customer's preference of E-fashion stores in Nagercoil.

Online marketing has gained a lot of importance in present marketing conditions. But along with its vital growth the number of scams, fraudulent practices and cheating also increased. The problem area of this survey is customer's satisfaction and attitudes towards E-fashion stores will determine the factors that influence customers to shop online and factors that help the marketers to formulate their strategies towards online marketing.

Objectives

1. To ascertain the most preferred Fashion E-commerce sites among customers.
2. To analyse the satisfaction level of customers towards Fashion E-commerce sites.



SAVITRIBAI PHULE PUNE UNIVERSITY

UGC-CARE List

Journal Details	
Journal Title (in English Language)	Journal of Management and Entrepreneurship
Publication Language	English
Publisher	Xavier Institute of Management and Entrepreneurship
ISSN	2229-5348
E-ISSN	NA
Discipline	Social Science
Subject	Business, Management and Accounting (all)
Focus Subject	General Business, Management and Accounting
UGC-CARE coverage years	from October-2021 to Present

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer



JME
ONLINE
Journal of Management & Entrepreneurship

Home Issues Contact

JME
ONLINE
Journal of Management & Entrepreneurship

Journal of Management & Entrepreneurship Research Journal
Bilingual & Multidisciplinary Journal

UGC APPROVED JOURNAL

Open access Journal A monthly publishing Journal

* Due to COVID-19 we are giving online service to our authors *

ABOUT US

Journal of Management & Entrepreneurship is an ISSN 2229-5348 [UGC CARE group I](#), blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

Journal of Management & Entrepreneurship Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

Journal of Management & Entrepreneurship Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to:

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.

Arts, Social Sciences and Humanities:

Administrative sciences, Advertisement, Anthropology, Physical anthropology, Archeology, Criminology, criticism, Cultural Aspects of Development, Economics, Education, English language, Fine Arts, Geography, History, International Relations, Journalism, Languages and Literature, Law and Legislature, Library and Archival Sciences,

JOURNAL OF MANAGEMENT & ENTREPRENEURSHIP

ISSN : 2229-5348

UGC Care Group 1 Journal

SOCIO-ECONOMIC STATUS OF FISH VENDORS IN SELECTED RURAL COASTAL VILLAGES OF KANYAKUMARI DISTRICT IN TAMILNADU

Dr .G. SAHAYA SHINY, Assistant Professor of Commerce, Holy Cross College (Autonomous),
Nagercoil

ABSTRACT

The main objective is to know the socio economic status of fish vendors and the savings and indebtedness and its impact on day to day livelihood of fish vendors in Kanyakumari district. The study is based on both descriptive and analytical in nature. An attempt has been made by the researcher to examine the income and expenditure pattern of fish vendors and its impact on standard of living and indebtedness of fish vendors. The total sample size of the study was 650 respondents. The structured interview schedule was used to collect the data from the sample respondents. The data required for the study have been collected from both primary and secondary sources. The primary data were collected by the researcher through interview schedule and secondary source of data were collected by the researcher through journals, magazines, and websites. It is found that 73.4 per cent of the respondents are not able to save money and the remaining 26.6 per cent of the respondents to save money. It is concluded that majority of the fish vendors are living in concrete and tiled houses because of their moderate standard of living.

KEY WORDS: Socio Economic Status, Fish Vendors, Savings and Indebtedness

INTRODUCTION

Fishing is one of the oldest and natural occupation of mankind. Since three fourths of the earth's surface is covered by oceans, people living in the coastal areas went to sea in search of food. As population increased, fishing developed significantly to provide food for the growing population. As the demand for food increased, fishing activity expanded from shallow waters to deep sea. Fishing was considered as a way of life as fish vendors had to work with the unpredictable natural conditions of the oceans in earlier times.

STATEMENT OF THE PROBLEM

The fish vendors are socio-economically backward and they have lack of various basic facilities like education, drinking water and food and their standard of living is not at the good level. The housing condition of the fish vendors is also very poor. Majority of the fish vendors are living in huts made of mud; only few of them reside in houses made of cement and bricks. Infrastructure facilities like housing, sanitation health care are major problem facing the fishing community. The fish vendors' income level is not enough to meet their expenditure and their daily earnings from fisheries are low, fluctuating and often uncertain which leads to affect their livelihood security. Though the standard of living of fish vendors is still poor and they are in huge indebtedness. Hence, an attempt has been made by the researcher to analyze the reasons for poor standard of living and high indebtedness to fishing community in the coastal district.


OBJECTIVES OF THE STUDY

- (i) To study the socio economic status of fish vendors in Kanyakumari district.
- (ii) To analyse the savings and indebtedness and its impact on day to day livelihood of fish vendors in Kanyakumari district.

SCOPE OF THE STUDY

The present study covers only Kanyakumari district. This study gives importance to fish vendors' income, expenditure, savings and indebtedness and standard of living in Kanyakumari district.





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

Search for title, author, doi. Search

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832
About Us Archives Editorial Board Journal policies Abstracting and Indexing Editorial Policies Contact Us



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Open Access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

DOWNLOAD FORM

JOIN AS EDITORIAL BOARD MEMBER

JOIN AS REVIEWER

SUBMIT ARTICLES

PUBLISHER CHANGE INFORMATION

submit.ijfans@gmail.com

IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES

ISSN PRINT 2319 1775 Online 2320 7876

Research Paper © 2012 IJFANS. All Rights Reserved UGC CARE Listed (Group -I) Journal Volume 11, Iss 09, 2022

**A STUDY ON INVESTOR'S RISK CAPACITY AND THEIR
INVESTMENT DECISION MAKING**

A.L. JAHEERA THASLEEMA

Research Scholar in Commerce Reg. No.21113041012003

Holy Cross College (Autonomous), Nagercoil Affiliated to Manonmaniam Sundaranar

University, Tirunelveli.

jaheera9005@gmail.com

Dr. C.K. SUNITHA

Assistant Professor and Research Supervisor in Commerce Holy Cross College (Autonomous),

Nagercoil Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

sunithaabel@gmail.com

ABSTRACT

There are numerous varieties of financial products that are currently on the market has given individual investors a very broad range of investment possibilities. The process of making investment decisions is very important and is affected by a variety of variables. The level of risk absorption that an individual is capable of is a crucial concept that must be understood. Risk, ambiguity, and choice overload are three extremely complex variables that investors must consider when making an investment decision. Financial experts, seasoned investors, and ordinary private families in particular struggle with these. When making financial decisions, investors must pursue certain risks. This may result in high return of money or low return of money. The study was conducted in Kanniyakumari district of Tamil Nadu. The sample size of the study was 150 respondents. The main of this study is to evaluate the risk capacity of the investors and their investment decision making.

Keywords: Risk capacity, Investor, Investment decision making.

INTRODUCTION

An experienced investor can make a wise investment choice by developing confidence, drawing on knowledge, or prudently managing risk. An adequate investment can be difficult for those who have little or no investing experience or knowledge, because investing involves risk and is a key component of the investor's choice to invest, making the wrong decisions can result in severe losses. Risky investments produce magnified results, whether in the shape of profit or loss. On the other hand, investing with lower levels of risk will result in lower returns, which will offset the lower levels of risk. Risk perception, which in turn affects investment choices, is greatly influenced by information about various variables and investment experience. The different benefits that every investor desires from their investment have a big impact on how they decide whether to invest in the financial market or not.

Risk Capacity

Risk capacity is the ability to accept risk, and it relies on a number of individual factors, including the investor's age, income level and stability, wealth, time until the goal, liquidity requirements, dependents, and a few other things. A high-income, reliable investor who is preparing for retirement has a high tolerance for risk. A person with a low risk capacity is

4271



MOTIVATIONAL FACTORS TO START SMALL SCALE BUSINESS IN KANYAKUMARI DISTRICT

J.Jenifer,

Research Scholar, Reg.No: 19123041012012, Research Department of Commerce, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District, South India.

jenifer.i@holycrossngl.edu.in

Dr. J. Divya Merry Malar

Assistant Professor and Research Supervisor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil, Kanyakumari District, South India.

divvamerrymalar@holycrossngl.edu.in

Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, TamilNadu, India.

ABSTRACT


Small scale Enterprises has emerged as a highly vibrant and dynamic sector of the Indian economy over the last few decades. In developing countries like India, these industries have an enormous importance due to its high level employment potential with low capital cost. MSMEs are also supporting in industrialization of rural backward areas. This sector is also called the nursery of entrepreneurship. However these enterprises are facing different hurdles in overall growth and development like poor infrastructure, shortage of electricity, political instability and financial problems. This paper will draw attention towards Growth, and Issues related to Small scale business in Kanyakumari district.

Keywords: small scale business, performance, employment, issues.

INTRODUCTION

Industrialization is a key to economic development of a country. Small scale enterprises have played an imperative role in the economic activities of highly developed industrialized countries like Japan, Germany, Great Britain and the United States of America. In developing economy like India, where agriculture is main source of livelihood, poverty and unemployment is prevailing all over. In order to eradicate poverty and unemployment, manufacturing sectors has to develop obligatory. Both in developed and developing countries, Small scale industries have been documented as noteworthy contributors in satisfying various socio-economic objectives such as higher growth of employment, promotion of exports and fostering entrepreneurship. These enterprises are nursery for entrepreneurship and seedbed for future growth. MSMEs sector is a key pillar of an Indian economy.




SAVITRIBAI PHULE PUNE UNIVERSITY

Home

UGC

Search

≡ UGC-CARE List

UGC-CARE List

You searched for "Kanpur Philosophers". Total Journals : 1

Search:

Sl.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Kanpur Philosophers	New Archaeological and Genological Society	2348-8301	NA	from April-2021 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer

JOURNAL
ARCHAEOLOGY & GENOLOGY


HOME | ABOUT | FOR AUTHORS | ETHICS & DISCLOSURES | ALL VOLUMES & ISSUES | CONTACT

HOME > JOURNAL > **KANPUR PHILOSOPHERS**

• Kanpur Philosophers

"Kanpur Philosophers" ISSN 2348-8301 is an international journal of Humanities, Arts, Culture, Law, Modernity and other allied disciplines of Historical and Sociological studies and research.

"Kanpur Philosophers" is biannually published in English, Hindi and Sanskrit languages by "New Archaeological and Genological Society" Kanpur India, a registered organization with wide registration no. 346-2009-2010 under societies registration act 21, 1860.



Editorial Board

Chief Editor

- **Dr. Atul Kumar Shukla**, Pt. J. L.Nehru PG College Banda India

Managing Editor

- **Dr. Purushottam Singh**, V.S.S.D. College Kanpur India

Associate Editors

- **Prof. Akhtar Hussain Sandhu**, University of Education Lahore Pakistan
- **Dr. Kuljit Singh**, University of Jammu Bhandarwah, India
- **Dr. Balaji Chirade**, People's College Nanded India
- **Dr. Rafida Nawaz**, Bahauddin Zakariya University Multan Pakistan





METHODS OF PERFORMANCE APPRAISAL IN PUBLIC BANKING SECTOR WITH SPECIAL REFERENCE TO KANYAKUMARI DISTRICT

Ist Author: A. Franklin Ragila, Research Scholar Regn. No. 19123041012013 & Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil-629002.

franklinragila@holycrossngl.edu.in

IInd Author: Dr. J. Divya Merry Malar, Research Supervisor & Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Nagercoil-629002.

Affiliated to Manonmanium Sundaranar University, Abishekapatti, Tirunelveli-627012. Tamilnadu, India.

ABSTRACT

Banks are considered as the backbone of a country's economy. The banking sector in India is mostly dominated by the public sector banks. The public sector banks in India alone account for about 75 per cent of the total advances in the Indian banking industry. More and more banks are leaning in favour of conducting performance appraisal because it will help them to accomplish the business goals at a faster pace. The performance appraisal process should be calculated over sometime so that both the public sector banks and its employees can have a better idea about the performance on an annual basis. The performance appraisal process is a formal interaction between an employee and his manager that takes the form of a structured interview to examine and discuss strengths and weaknesses. This is undertaken to improve the current skills and knowledge and offer further opportunities for improvement, development, and growth among the bank employees. In this study, the methods, uses and the benefits of performance appraisal have been studied by the researchers.

KEY WORDS: performance appraisal, bank employees, performance appraisal process,

INTRODUCTION

Appraisal means estimation of a person's worth or an object. Performance appraisal implies the evaluation of workers' worth in terms of organisational performance. It is a systematic way of reviewing and assessing the performance of an employee during a given period of time. It is a process of obtaining, analysing and recording information about the relative worth of an employee.

According to Flippo, "Performance appraisal is the systematic, periodic and an impartial rating of an employee's excellence in the matters pertaining to his present job and his potentiality for a better job." Employee performance appraisal system is defined as a process in which a predefined standard of factors such as work knowledge, work performance, work attitude, leadership quality, team player behaviour, consistency, decision making abilities and skills are created and then the actual performance as well as personality of employees is compared with these expected standards by the organisation. The comments or feedback in performance appraisal are the most important parts in performance appraisal system. The performance appraisal process has been used as a deciding factor for career development and in most cases, promotions and salary rise are directly dependent on it.

The performance appraisal is an opportunity for the employees who are concerned about their performance in the job. It should not be a top down process or an opportunity for one person to ask questions and the other to reply. It should be a free flowing conversation in which a range of views are exchanged.

☰ UGC-CARE List

UGC-CARE List

You searched for "2347-7180". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	Dogo Rangsang Research Journal (print only)	Dogo Rangsang Research Society	2347-7180	NA	from January-2020 to July-2023	Discontinued from July 2023

Showing 1 to 1 of 1 entries

Previous Next

Copyright © 2024 Savitribai Phule Pune University. All rights reserved. | Disclaimer


Home Archives Contact



DogaRangSang Research Journal

দগো ডাগরষেণী পত্রিকা

ISSN : 2347-7180

Bilingual & Multidisciplinary Journal

Open access journal
A monthly publishing journal



জ্ঞান-বিজ্ঞান বিস্মৃতে
UGC
University Grants Com
Approved Journa

* Due

ABOUT US

Dogo Rangsang Research Journal in short D.R.S. Research Journal with ISSN 2347-7180 is an UGC CARE group I, blind peer-reviewed and open access journal published monthly in English as well as Assamese languages.

D.R.S. Research Journal is a bilingual & multidisciplinary journal dedicated to the research publication in the fields of architecture, business, commerce, development studies, economics, finance, government policies, history, international relations, jurisprudence, knowledgebase, learning, management studies, novel and book reviews, organisational studies, poetry, quasi-judicial studies, resource management, social studies, temporal studies, universal laws, venture capitals, word economics, youth affairs, and allied fields.

D.R.S. Research Journal publishes a wide range of researches and studies on diverse fields of knowledge. This Journal gives priority to the latest findings and achievements from experts and scholars all over the world. Each issue contains a variety of critical articles, extensive reviews articles and so on. Send papers for review to: editor.drsrcjournal@gmail.com

AIM AND SCOPE

The journal aims to publish original research papers, review papers and short communications, in all areas of mathematical and allied applications. Submitted papers must be correct, original, nontrivial, and well written.

TOPICS OF INTEREST & CALL FOR PAPERS

We welcome big achievers, professors, research scholars to contribute their original works in forms of case studies, empirical studies, meta-analysis and theoretical articles and illuminate the pages with their universal ideas and fresh perspectives to make the journal synonymous to the entire research field.

Arts, Social Sciences and Humanities:



IMPORTANCE AND NEED OF PERFORMANCE APPRAISAL IN STATE BANK OF TRAVANCORE IN KANYAKUMARI DISTRICT

A. Franklin Ragila, Research Scholar Reg. No. 19123041012013 Research Centre of Commerce, Holy Cross College (Autonomous), Kanyakumari District - 629002.

franklinragila@holycrossngl.edu.in

Dr. J. Divya Merry Malar, Research Supervisor & Assistant Professor, Department of Commerce, Holy Cross College (Autonomous), Kanyakumari District - 629002.

Affiliated to **Manonmanium Sundaranar University**, Abisbekapatti, Tirunelveli-627012. Tamilnada, India.

ABSTRACT

Performance appraisal is a systematic evaluation of personnel by supervisors or those familiar with their performance. Performance appraisal is carried out to identify the abilities and competencies of an employee for future growth and development. It is aimed at ascertaining the worth of the employee to the organisation. Assessing the employee's actual performance related to the standards and providing feed back to the employee with the aim of motivating them to eliminate the performance deficiency. This study examined the importance and the need of performance appraisal in State Bank of Travancore and the result of the study showed that performance appraisal is a required system which helps the employees to motivate and grant promotion which ultimately increases the increment.

KEYWORDS: *performance appraisal, employees, assessment, banks....*

1. INTRODUCTION

Performance appraisal is the systematic evaluation of employees performance and to understand the abilities of a person for further growth and development. In other words, performance appraisal is a systematic and objective way of judging the relative worth or ability of an employee in performing his/her task. Without a structured appraisal system, there is a little chance of ensuring that the judgments made will be lawful, fair, defensible and accurate. If an employee's performance was found to be less than ideal, a cut in pay would follow. On the other hand, if an employee's performance was better than supervisor's expectation, an increment was in order. The potential usefulness of appraisal as a tool for motivation and development was gradually recorded.

Mc Gregor discusses the formal performance appraisal plans in view of meeting three needs out of which one is relating to organisation and other two for individual. The first one, organisation level is to provide systematic judgments to back up salary increases, transfers, demotions or terminations. The other two individual levels are relating to certain means which are meant for subordinate to tell subordinate how boss is doing and suggesting needed changes in behavior, attitudes, skills or job knowledge. Making the subordinate to know the level of performance standards and the superior uses them as a base for coaching and counseling the individual employer.

State Bank of Travancore (SBT) was a major Indian bank headquartered in Trivandrum, Kerala, and was a major associate of State Bank of India. SBT was a subsidiary of the State Bank Group, but also have private share-holders. It was the premier bank of Kerala. State Bank of Travancore has 14 branches in Kanyakumari District.


2. SCOPE OF THE STUDY

The study has been made to find out the importance and need of performance appraisal among the employees working in State Bank of Travancore in Kanyakumari District. This study also covers the demographic profile of the employees, the need of performance appraisal of the respondents towards their level of perception.

3. OBJECTIVES OF THE STUDY

The objectives of the study are to know the importance and need of performance appraisal among the employees working in State Bank of Travancore in Kanyakumari District. They are as





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#) | 1 | [Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of Food and Nutritional Sciences
Official Publication of International Association of Food and Nutrition Scientists

Search for title, author, doi. Search

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

[About Us](#) | [Archives](#) | [Editorial Board](#) | [Journal policies](#) | [Abstracting and Indexing](#) | [Editorial Policies](#) | [Contact Us](#)

Impact Factor : 7.832



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners: Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

DOWNLOAD FORM

JOIN AS EDITORIAL BOARD MEMBER

JOIN AS REVIEWER

SUBMIT ARTICLES

PUBLISHER CHANGE INFORMATION

submit.ijfans@gmail.com

Customer Attitude Towards Green Banking Products And Services Provided By Public Sector Banks In Thiruvanthapuram District

Raseena ¹; **Dr. M. Gnana Muhila** ²


¹ **Raseena**, Ph.D Research Scholar (Reg. No.19213101012002), Department of Commerce and Research Centre, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

² **Dr. M. Gnana Muhila**, Assistant Professor (Guide), Department of Commerce and Research Centre, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Abstract

Green Banking also called as ethical or sustainable banking is a form of banking activity that reduces the negative impact on environment thereby protecting the scarce natural resources. Through this type of banking a country gets more environmental. The banking industry plays a vital and mediator role between economic growth of a country and its environmental protection through various products and services which makes the environment sustainable. The study aims to identify the factors influencing the customer attitude to use green banking products and services, the awareness level of the customers about the green banking products and the perception of risk towards using those products and services. The customers of public sector banks in Thiruvanthapuram district are taken for the study. This research is descriptive in nature. Primary data and secondary data were used for the study. Primary data was collected using a





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832
About Us Archives Editorial Board Journal policies Abstracting and Indexing Editorial Policies Contact Us



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

submit.ijfans@gmail.com

**CUSTOMER'S AWARENESS AND PROBLEMS OF GREEN BANKING SERVICES IN
THIRUVANTHAPURAM DISTRICT**

Raseena¹; Dr. M. Gnana Muhila²


¹ **Raseena**, Ph.D Research Scholar (Reg. No.19213101012002), Department of Commerce and Research Centre, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

² **Dr. M. Gnana Muhila**, Assistant Professor(Guide), Department of Commerce and Research Centre, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli, Tamil Nadu, India.

Abstract

In the present banking world, the word Green Banking has become a trendy expression. Green Banking resembles the normal conventional banks, which gives more priority to environmental factors, natural resources, and earth's ecology in banking activities in order to safeguard the planet by diminishing carbon impression and downsizing the usage of paper in banks to promote environmental sustainability. The concept of Green Banking is nothing but the mix of operational improvement through technology to change the clients habits to be environmental friendly in day to day banking transactions. Green Banking paves the path for banks and firms who are running behind the economic progress and profitability to make use of the inadequate resources in an ideal way without jeopardize the resources of future generations and ruining the environment to deal with the universal challenge of environmental safeguarding and sustainable development in a favorable manner. The conception of Green Banking and its practices not only mutually profitable to the economy, banks, and industrial sectors, but also supports to restore the planet from global warming and climate change. This paper intends to





SAVITRIBAI PHULE
PUNE UNIVERSITY

Home

UGC

Search

UGC-CARE List

UGC-CARE List

You searched for "2320-7876". Total Journals : 1


Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January-2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

[Previous](#)
1
[Next](#)

Copyright © 2023 Savitribai Phule Pune University. All rights reserved. | Disclaimer



IJFANS
International Journal of
Food And Nutritional Sciences
Official Publication of International Association of Food
and Nutrition Scientists

IJFANS International Journal of Food and Nutritional Sciences

ISSN PRINT 2319 1775
Online 2320-7876

Impact Factor : 7.832
About Us Archives Editorial Board Journal policies Abstracting and Indexing Editorial Policies Contact Us



Volume 13 Issue 2

"Geographical Analysis Of Agricultural Productivity And Land Use Efficiency In Tribal Areas Of Nashik District Of Maharashtra"

Volume 13 | Issue 2

EXPLORING THE RELATIONSHIP OF SEXUAL PREFERENCE WITH RESPECT TO PERSONALITY AMONG YOUNG ADULTS (18-26 YEARS)

Volume 13 | Issue 2

Biochemical Characterization Of Different Tea

Volume 13 | Issue 2

INTRUSION DETECTION SYSTEM USING MACHINE LEARNING

Volume 13 | Issue 2

Machine Learning Insights Into Non-Alcoholic Fatty Liver Disease Prediction

Volume 13 | Issue 2

About Us

About the Journal

International Journal of Food and Nutritional Sciences (IJFANS) is a quarterly online published Journal in English with the aim to publish research and review articles in rapidly developing field of Food Sciences and Clinical Nutrition. The journal aims to cover the latest outstanding developments in the field of Food Sciences and Clinical Nutrition specifically in their respective following branches.

International Journal of Food and Nutritional Sciences is included in the **UGC-CARE list Group I**

Abstracting and Indexing Information

The journal is registered with the following abstracting partners:
Baidu Scholar, CNKI (China National Knowledge Infrastructure), EBSCO Publishing's Electronic Databases, Ex Libris – Primo Central, Google Scholar, Hinari, Infotrieve, Netherlands ISSN centre, ProQuest, TDNet, Wanfang Data

Journal Ethics

International Journal of Food and Nutritional Sciences is committed to meeting and upholding standards of ethical behavior at all stages of the publication process. We follow closely the industry associations, such as the Committee on Publication Ethics (COPE), International Committee of Medical Journal Editors (ICMJE) and World Association of Medical Editors (WAME), that set standards and provide guidelines for best practices in order to meet these requirements. For a summary of our specific policies regarding duplicate publication, conflict of interest, patient consent, etc., please visit Editorial and Ethics Policies

Closed Access Publication and Creative Commons Licensing

This is an **Closed access** journal, and articles are distributed under the terms of the **Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License**, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

Submit article

[DOWNLOAD FORM](#)

[JOIN AS EDITORIAL BOARD MEMBER](#)

[JOIN AS REVIEWER](#)

[SUBMIT ARTICLES](#)

[PUBLISHER CHANGE INFORMATION](#)

submit.ijfans@gmail.com

CHALLENGES AND IMPACT ON FISHERIES MIGRATION

J. JEMI ROOTH KANOSA,

Research Scholar (full time), Reg. No: 21113041012004, Department of Commerce Research Centre, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli. Mobile No: 9943707049, Email id:

jemiroothkanosa@holycrossngl.edu.in

Dr J. DIVYA MERRY MALAR,

Assistant Professor, Department of Commerce Research Centre, Holy Cross College (Autonomous), Nagercoil, Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

Mobile No: 7806988946, Email id: divyamerrymalar@holycrossngl.edu.in

Abstract

Migrant workers, moving in search of jobs, encounter various challenges and shifts within the fisheries sector. This study delves into three crucial facets: challenges faced by these workers, socio-economic impacts on local communities, and the effects of working conditions. Fisheries migrants encounter hurdles like language barriers, poor living conditions, discrimination, and limited healthcare access. Transitioning into this industry presents difficulties such as work-related hazards, unequal treatment, and delayed wages. Most of the migrant fishermen originate from Uttar Pradesh, primarily married and possessing over 1-3 years of experience. The study finds no significant socio-economic gap between married and unmarried migrants. Workers aged 35-45 face heightened work stress and safety concerns, while those below 25 experience delays in receiving their share of the catch. Improving housing infrastructure and providing adequate laundry facilities and clean water sources within fishing sectors can significantly enhance living conditions and promote hygiene among migrant workers. These challenges paint a complex picture that deeply affects the socio-economic fabric of these migrant workers. By examining these challenges this study aims to provide a comprehensive understanding of the intricate realities faced by fisheries migrants and their migration experiences.

Keywords: Fisheries Migration, Socio-economic Impact, Migrant Workers.

Introduction

Migrant workers relocate seeking better economic opportunities, contributing significantly to new regions despite facing integration challenges. Their movement drives local economic growth and workforce diversity. Migration in India significantly contributes to its social and economic progress, with laborers playing a crucial role through remittances and skill acquisition (Moyce & Schenker, 2018). Male migrants are primarily motivated by employment opportunities, while family considerations drive female migration (Kadi & Sivamurthy, 1988). In Tamil Nadu, migration occurs bidirectionally across various states for employment in sectors like construction and fishing at Colachel Harbor (Tata Institute of Social Sciences, 2019). However, migrant laborers encounter challenges such as unsafe