



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

3.4.6 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Number of Research Papers Published in Scopus/ Web of Science - 48

S. No	Name of the Department	Total Number of Papers Published in Scopus indexed Journals	Total Number of Papers Published in Web of Science indexed Journals	Total Number of Papers Published in Scopus and Web of Science indexed Journals
1	Mathematics	2	-	4
2	Mathematics SF	1	-	-
3	Physics	2	-	6
4	Chemistry	7	1	5
5	Botany	2	1	4
6	Zoology	1	4	
7	History	1	1	
8	Economics	-	-	3
9	Commerce	2	-	-
10	Commerce SF I	1	-	-
Total		19	7	22

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S. No	Name of the Faculty	Title of the Article	Department	Name of the Journal	ISSN Number	Nature of the Journal Scopus/ Web of Science	h-index in Scopus	h-index in Web of Science
1.	Dr. K. Jeya Daisy	k-Product Cordial Behaviour of Union of Graphs	Mathematics	Journal of the Indonesian Mathematical Society	2086-8952	Scopus and Web of Science	5	-
2.	Dr. V. Sujin Flower	The Chromatic Detour Number of a Graph		South East Asian Journal of Mathematics and Mathematical Sciences	0972-7752	Scopus	-	-
3.	Dr. S. Sujitha	Super Edge Connectivity Number of an Arithmetics Graph		Journal of the Indonesian Mathematical Society	2086-8952	Scopus and Web of Science	2	1
4.	Dr. V. Sujin flower	On the Forcing Domination and the Forcing Total Domination Numbers of a Graph		Graphs and Combinatorics	0911-0119	Scopus and Web of Science	-	-
5.	Dr. S. Sujitha and Dr. M. K. Angel Jebitha	Randic Matrix and Energy of a T2 Hypergraph		South East Asian Journal of Mathematics and Mathematical Sciences	0972-7752	Scopus	2	1
6.	Dr. K. Jeya Daisy	K-Product Cordial Labelling of Powers of Paths		Jordan Journal of Mathematics and Statistics	2075-7905	Scopus and Web of Science	5	-
7.	Ms. V. Princy Kala	k-super Cube Root Cube Mean Labelling of some Corona Graphs	Mathematics S.F	Proyecciones	0716-0917	Scopus	1	-

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8.	S. Sebastiammal and Dr. A. Lesly Fathima	Synthesis and Physicochemical Characteristics of Ag-doped Hydroxyapatite Nanoparticles and their Potential Biomedical Applications	Physics	Environmental Research	0013-9351	Scopus and Web of Science	6	5
9.	Dr. M. Priya Dharshini and Dr. V. Shally	NiO-CdO Nanocomposite for Photocatalytic Applications		Materials Today: Proceedings	2214-7853	Scopus	2	2
10.	Dr. R. Krishna Priya	Lignocellulose Biohydrogen towards Net Zero Emission: A Review on Recent Developments		Bioresource Technology	0960-8524	Scopus and Web of Science	7	7
11.	Dr. M. Priya Dharshini	Tribological Behaviour of AA7075 Nanohybrid Composites at High Temperature		Periodico di Mineralogia	0369-8963	Scopus and Web of Science	2	2
12.	Dr. P. Aji Udhaya	Enhancement on the Electrical and Optical Behaviour of ZnFe ₂ O ₄ Nano Particles via Transition and Metal Substitution		Materials Today: Proceeding	2214-7853	Scopus	6	5
13.	Dr. S. J. Jenepha Mary	Raman Spectroscopic Study of Cinnamyl-1 Diphenylmethyl-4 Piperazine (Cinnarizine) at High Pressure		Journal of Molecular Structure	0022-2860	Scopus and Web of Science	3	2

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14.	Dr. S. J. Jenepha Mary	Vibrational Spectroscopic Signatures, Effect of Rehybridization and Hyperconjugation on the Dimer Molecule of N-(4-chlorophenyl)-2-[(4, 6-diaminopyrimidin-2-yl) sulfanyl] Acetamide-Quantum Computational approach		Spectroscopy Letters	0038-7010	Scopus and Web of Science	3	2
15.	S. Sebastiammal and Dr. A. Lesly Fathima	Synthesis, Characterization, Antibacterial, Antifungal, Antioxidant, and Anticancer Activities of Nickel-Doped Hydroxyapatite Nanoparticles		Fermentation	2311-5637	Scopus and Web of Science	6	5
16.	Dr. M. Anitha Malbi	Anti-Diabetic Activity of Chelating bis N-Propylethylenediamine Zinc Complex	Chemistry	Indian Journal of Natural Sciences	0976-0997	Web of Science	1	-
17.	K. Francy	Computational and Biological Efficacy of Stigmasterol against HeLa Cells and Vero Cells-First Time Isolated from the Ethanolic Extract of <i>Annona muricata</i> Linn Leaves		Journal of Molecular Structure	0022-2860	Scopus and Web of Science	1	-



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18.	K. Francy and Dr. S. Lizy Roselet	Structural Characterization of Inclusion Complex of Stigmasterol with Alpha Cyclodextrin using Spectroscopy and Molecular Modelling	Biomedical and Biotechnology Research Journal	2588-9834	Scopus and Web of Science	1	-
19.	Dr. S. Ajith Sinthuja and Dr. Y. Christabel Shaji	Applications of Nanostructured Materials in Heterogeneous Catalysis: A Review	AIP Conference Proceedings	0094-243X	Scopus	1	-
20.	Dr. Sheeba Daniel	Synthesis, Characterization, In Vitro Antiproliferative and Cytotoxic Effect of Ruthenium(II)-Bipyridine-Benzoylpicolinic Acid Complex on SK-MEL-28 and Normal L6 Cell Lines	Trends in Sciences	2774-0226	Scopus	3	1
21.	Dr. Sheeba Daniel	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	Biomedical and Biotechnology Research Journal	2588-9834	Scopus and Web of Science	3	1
22.	Dr. Y. Christabel Shaji	Online Acoustic Emission Measurement of Tensile Strength and Wear Rate for AA8011-TiC- ZrB ₂ Hybrid Composite	Surface Topography: Metrology and Properties	2051-672X	Scopus and Web of Science	1	1

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23.	Dr. S. Ajith Sinthuja and Dr. Y. Christabel Shaji	Synthesis, Characterization and Catalytic Activity of Platinum Nanoparticles	AIP Conference Proceedings	0094-243X	Scopus	1	-
24.	Dr. S. Ajith Sinthuja	A Novel Synthesis of Phyto-Mediated Silver Nanoparticles and its Bacterial Performance against Microbes	Materials Today: Proceedings	2214-7853	Scopus	1	-
25.	Dr. Y. Christabel Shaji and Dr. S. Ajith Sinthuja	ZnO Polymer Nano Composites Synthesis, Characterization, and Thermo-Mechanical Property Comparison	Journal of Mines, Metals and Fuels	0022-2755	Scopus	1	1
26.	Dr. Y. Christabel Shaji	Synthesis and Characterization of Natural Fibre with ZnO Nanocomposites	International Journal on Interactive Design and Manufacturing	1955-2513	Scopus and Web of Science	1	1
27.	Dr. S. Lizy Roselet and K. Francy	Comparative Evaluation of Antimicrobial Efficacy of AgNPs Synthesized from Leaf Extracts of <i>Laurus Nobilis</i> and <i>Persea Americana</i>	Journal of Xidian University	1001-2400	Scopus	2	1
28.	L. Deva Vijila, Dr. G. Leema Rose and Dr. C. Anitha	Green Synthesis and Characterization of Chitosan Doped Nickel Oxide Nanocomposites using <i>Euphorbia Hirta</i> and its Antimicrobial Activity	Research Journal of Chemistry and Environment	0972-0626	Scopus	-	-

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29.	Dr. J. Albino Wins	Green Synthesized ZnO NPs as Effective Bacterial Inhibitor against Isolated MDRs and Biofilm Producing Bacteria Isolated from Urinary Tract Infections	Botany	Journal of King Saud University - Science	1018-3647	Scopus and Web of Science	3	-
30.	N. Benit	Phytopathogenic Bacterial and Nematicidal Activity of Extracts and Powder of <i>Adhatoda Vasica</i> on <i>Meloidogyne Incognita</i>		Physiological and Molecular Plant Pathology	0885-5765	Scopus and Web of Science	4	-
31.	N. Benit	Immobilization of <i>Halomonas halodurans</i> and <i>Bacillus halodurans</i> in packed bed bioreactor for continuous removal of phenolic impurities in waste water		Environmental Research	0013-9351	Scopus and Web of Science	4	-
32.	Dr. J. Albino Wins	Evaluation of Biodegradable Waste as Manure for Terrace Garden		Advanced Engineering Science	2096-3246	Scopus	3	-
33.	Dr. P. Leema rose and Dr. J. Albino Wins	Review on the Medicinal Applications of Zinc Oxide Nanoparticles		Specialusis Ugdymas	1392-5369	Scopus	-	-
34.	Dr. J. Celin Pappa Rani	Comparative Phytochemical Screening and Antibacterial Activity of <i>Azadirachta Indica</i> and <i>Cassia Auriculata</i>		Jundishapur Journal of Microbiology	2008-3645	Scopus and Web of Science	-	-

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35.	Dr. A. R. Florence	Ethnomedicinal Plants used by the Vetans of Kanyakumari District, Tamil Nadu, India		Indian Journal of Natural Sciences	0976-0997	Web of Science	3	-
36.	Dr. S. Mary Mettilda Bai and Dr. J. Vinoliya Josephine Mary	Survey of Natural Agglutinins in Two Species of Marine Crabs	Zoology	Egyptian Academic Journal of Biological Sciences B. Zoology	2090-0759	Web of Science	2	-
37.	Dr. Jeni Chandar Padua	<i>In vitro</i> Evaluation of Antioxidant, Antibacterial and Anticancer Activities of <i>Phyla Nodiflora</i> Aqueous Leaf Extract		Egyptian Academic Journal of Biological Sciences B. Zoology	2090-0759	Web of Science	1	1
38.	Dr. Jeni Chandar Padua	Toxicity and Teratogenicity Effects of Aqueous Leaf Extract of <i>Phyla Nodiflora</i> in Zebrafish (<i>Danio rerio</i>) Embryos		Egyptian Academic Journal of Biological Sciences B. Zoology	2090-0759	Web of Science	1	1
39.	Dr. Jeni Chandar Padua	<i>In vitro</i> Antibacterial and Cytotoxic Activity of the Leaf Extract of <i>Anisomeles Malabarica</i> against HepG2 Cancer Cell Lines		Egyptian Academic Journal of Biological Sciences B. Zoology	2090-0759	Web of Science	1	1
40.	Dr. S. Mary Mettilda Bai, Dr. J. Vinoliya Josephine Mary and Dr. S. Sebastiammal	Purification and Characterization of a Sialic Acid Specific Lectin Isolated from the Marine Crab <i>Grapsus Albolineatus</i> (GaLec)		Ymer	0044-0477	Scopus	2	-
41.	Dr. S. Mary Judit	Historical Monuments in Kanyakumari District A Study	History	NeuroQuantology	1303-5150	Scopus	-	-

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42.	Dr. S. Regi	Tracking the Chronology of Epidemics and Pandemics		Journal of Natural Remedies	0972-5547	Scopus and Web of Science	-	-
43.	Dr. S. Jeni Sanjana	A study on Psychology and Memories of the People in Nagercoil Town	Economics	Central European Management Journal	2658-0845	Scopus and Web of Science	-	-
44.	Dr. A. Babila Kingsly	A Study on Students Attitudes towards Virtual Learning Experience in Nagercoil		Central European Management Journal	2658-0845	Scopus and Web of Science	-	-
45.	Ms. M. Sahaya Vennila	Challenges of Online Learning in Education		Central European Management Journal	2658-0845	Scopus and Web of Science	-	-
46.	Dr. C. Braba	Motivational and Success Factors: Through the Lens of Women Entrepreneurship	Commerce	NeuroQuantology	1303-5150	Scopus	-	-
47.	Dr. C. Braba	Customer Satisfaction towards Fish and Fish-Based Products in Kanyakumari District with Special Reference to Agastheeswaram Taluk		NeuroQuantology	1303-5150	Scopus	-	-
48.	Dr. C. K. Sunitha	A Study on E-Wallet Awareness and its usage in Kanniyakumari District	Commerce S.F. I	NeuroQuontology	1303-5150	Scopus	1	-




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