



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

Research papers published per teacher in UGC CARE list during the year 2021

Link Re-directing to Journal Source-Cite Website

S. No	Title of paper	Name of the author	Department of the teacher	Name of journal	ISSN number	Link Re-directing to Journal Source-Cite Website
1.	The Cyclic Edge Connectivity Number of an Arithmetic Graph $G=V_n$	Dr. S. Sujitha	Mathematics	Journal of Scientific Research	0447-9483	https://holycrossngl.edu.in/Content/Journal/2021/Home_Page/Home_Page_1.pdf
2.	The Minimum Dominating Energy of Star Related Graphs	Dr. V. M. Arul Flower Mary		Adalya	1301-2746	https://adalyajournal.com/
3.	The Monophonic Global Domination Number of a Graph	Dr. V. Sujin Flower		Journal of Mathematical and Computational Science	1927-5307	https://scik.org/index.php/jmcs
4.	The Minimum Dominating Seidel Energy of some Graphs	Dr. V. M. Arul Flower Mary		Design Engineering	0011-9342	https://ores.su/en/journals/design-engineering-toronto/
5.	The Edge Geodetic Vertex Covering Number of a Graph	Dr. V. M. Arul Flower Mary		Journal of Mathematical and Computational Science	1927-5307	https://scik.org/index.php/jmcs

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6.	The Edge-to-Edge Geodetic Domination Number of a Graph	Dr. V. Sujin Flower		Proyecciones	0716-0917	https://www.revistaproyecciones.cl/
7.	The Connected Geodetic Vertex Covering Number of a Graph	Dr. V. M. Arul Flower Mary		South East Asian Journal of Mathematics and Mathematical Sciences	0972-7752	https://rsmams.org/journals/seajmams/home
8.	k-Super Cube Root Cube Mean Labeling of Graphs	Ms. V. Princy Kala	Mathematics SF	Proyecciones	0716-0917	https://www.revistaproyecciones.cl/
9.	The Connected Geodetic Vertex Covering Number of a Graph	Ms. J. Anne Mary Leema		South East Asian Journal of Mathematics and Mathematical Sciences	0972-7752	https://rsmams.org/journals/seajmams/home
10.	The Edge Geodetic Vertex Covering Number of a Graph	Ms. J. Anne Mary Leema		Journal of Mathematical and Computational Science	1927-5307	https://scik.org/index.php/jmcs
11.	Characterisation of Alkali Treated Nelumbo Nucifera Fiber and Properties of its Reinforced Composite	Dr. R. Krishna Priya	Physics	Journal of Natural Fibers	1544-0478	https://www.tandfonline.com/journals/wjnf20
12.	Surface-Enhanced Raman Spectroscopy Studies of Orderly Arranged Silica Nanospheres-Synthesis, Characterization and Dye Detection	Dr. S. Sonia		Journal of Materials Science: Materials in Electronics	0957-4522	https://link.springer.com/journal/10854

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13.	Enhanced Linear and Non-Linear Optical Activity of Lead onto l-Threonine Cadmium Acetate Crystal	Ms. P. Aji Udhaya		Journal of Materials Science: Materials in Electronics	0957-4522	https://link.springer.com/journal/10854
14.	Enhanced Linear and Non-Linear Optical Activity of Lead onto l-Threonine Cadmium Acetate Crystal	Dr. M. Abila Jeba Queen		Journal of Materials Science: Materials in Electronics	0957-4522	https://link.springer.com/journal/10854
15.	Chemical and Sweet Basil Leaf Mediated Synthesis of Cerium Oxide (CeO ₂) Nanoparticles: Antibacterial Action toward Human Pathogens	Sr. S. Sebastiammal		Phosphorus, Sulfur, and Silicon and the Related Elements	1042-6507	https://www.tandfonline.com/toc/gpss20/current
16.	Chemical and Sweet Basil Leaf Mediated Synthesis of Cerium Oxide (CeO ₂) Nanoparticles: Antibacterial Action toward Human Pathogens	Dr. A. Lesly Fathima		Phosphorus, Sulfur, and Silicon and the Related Elements	1042-6507	https://www.tandfonline.com/toc/gpss20/current
17.	Green Synthesis of Cerium Oxide Nanoparticles using Alovera Leaf Extract and its Optical Properties	Sr. S. Sebastiammal		Songklanakarin Journal of Science and Technology	0125-3395	https://sjst.psu.ac.th/
18.	Green Synthesis of Cerium Oxide Nanoparticles using Alovera Leaf Extract and its Optical Properties	Dr. S. Sonia		Songklanakarin Journal of Science and Technology	0125-3395	https://sjst.psu.ac.th/



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19.	Green Synthesis of Cerium Oxide Nanoparticles using Aloevera Leaf Extract and its Optical Properties	Dr. A. Lesly Fathima		Songklanakarinn Journal of Science and Technology	0125-3395	https://sjst.psu.ac.th/
20.	Structural and Surface Characteristics of CuO and Pt/CuO Nanostructured Thin Films	Dr. S. Sonia		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
21.	Structural and Surface Characteristics of CuO and Pt/CuO Nanostructured Thin Films	Ms. S. Virgin Jeba		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
22.	Albumen-Assisted Synthesis of Nanocrystalline Nickel Ferrite Photocatalyst	Ms. P. Aji Udhaya		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
23.	Albumen-Assisted Synthesis of Nanocrystalline Nickel Ferrite Photocatalyst	Dr. M. Abila Jeba Queen		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
24.	Albumen-Mediated Green Synthesis of ZnFe ₂ O ₄ Nanoparticles and their Physico-Chemical Properties	Ms. P. Aji Udhaya		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
25.	Albumen-Mediated Green Synthesis of ZnFe ₂ O ₄ Nanoparticles and their Physico-Chemical Properties	Dr. M. Abila Jeba Queen		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp



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26.	Physicochemical Properties and Antimicrobial Potential of Green Synthesized Cerium Oxide (CeO ₂) Nanoparticles from Pomegranate Peel Extract	S. Sebastiammal		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
27.	Physicochemical Properties and Antimicrobial Potential of Green Synthesized Cerium Oxide (CeO ₂) Nanoparticles from Pomegranate Peel Extract	Dr. S. Sonia		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
28.	Physicochemical Properties and Antimicrobial Potential of Green Synthesized Cerium Oxide (CeO ₂) Nanoparticles from Pomegranate Peel Extract	Dr. A. Lesly Fathima		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
29.	Effect of ZrO ₂ Nanofiller on the Physical Properties of Epoxy Composites: Mechanical, Thermal and Dielectric	Dr. A. Lesly Fathima		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
30.	Effect of ZrO ₂ Nanofiller on the Physical Properties of Epoxy Composites: Mechanical, Thermal and Dielectric	Dr. S. Sebastiammal		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp
31.	Effect of ZrO ₂ Nanofiller on the Physical Properties of Epoxy Composites:	Ms. S. Virgin Jeba		Jordan Journal of Physics	1994-7607	https://jjp.yu.edu.jo/index.php/jjp


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	Mechanical, Thermal and Dielectric				
32.	Structural and Optical Properties of Pure NiO Nanoparticles and NiO-Mn ₂ O ₃ , NiO-CdO, NiO-Pb ₂ O ₃ , NiO-ZnO Nanocomposites	Dr. M. Priya Dharshini		Jordan Journal of Physics	1994-7607 https://jjp.yu.edu.jo/index.php/jjp
33.	Structural and Optical Properties of Pure NiO Nanoparticles and NiO-Mn ₂ O ₃ , NiO-CdO, NiO-Pb ₂ O ₃ , NiO-ZnO Nanocomposites	Dr. V. Shally		Jordan Journal of Physics	1994-7607 https://jjp.yu.edu.jo/index.php/jjp
34.	Plant Mediated Synthesis and Characterization of Silver Nanoparticles using the Ethanolic Extract of Mangifera Indica Seed and their Antimicrobial Activity	Sr. S. Sebastimmal		Design Engineering	0011-9342 https://ores.su/en/journals/design-engineering-toronto/
35.	Quantum Chemical Insight into Molecular Structure, NBO Analysis of the Hydrogen-bonded Interactions, Spectroscopic (FT-IR, FT-Raman), Drug Likeness and Molecular Docking of the Novel Anti COVID-19 Molecule 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(4-	Dr. S. J. Jenepha Mary		Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425 https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy

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	fluorophenyl)acetamide - Dimer					
36.	Molecular Structure, NBO Analysis of the Hydrogen-bonded Interactions, Spectroscopic (FT-IR, FT-Raman), Drug Likeness and Molecular Docking of the Novel Anti COVID-2 molecule (2E)-N-methyl-2-[(4-oxo-4H-chromen-3-yl)methylidene]-hydrazinecarbothioamide (Dimer) - Quantum Chemical Approach	Dr. S. J. Jenepha Mary		Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	1386-1425	https://www.sciencedirect.com/journal/spectrochimica-acta-part-a-molecular-and-biomolecular-spectroscopy
37.	¹ H NMR – A Validation Tool for Supramolecular Complexes of α -Cyclodextrin with Antidiabetic Drugs	Dr. S. Lizy Roselet	Chemistry	Materials Today: Proceedings	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings
38.	Plant Mediated Synthesis and Characterization of Silver Nanoparticles using the Ethanolic Extract of Mangifera Indica Seed and their Antimicrobial Activity	Dr. M. Anitha Malbi		Design Engineering	0011-9342	https://ores.su/en/journals/design-engineering-toronto/
39.	Plant Mediated Synthesis and Characterization of Silver Nanoparticles using the Ethanolic Extract of Mangifera Indica Seed and their Antimicrobial Activity	Ms. B.T. Delma		Design Engineering	0011-9342	https://ores.su/en/journals/design-engineering-toronto/

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40.	Computational Calculations and Molecular Docking Studies on 2-(2-ethylaminothiazol-5-oyl)benzothiazole	Dr. Bojasa A Rosy	Botany	Indian Journal of Chemistry	0019-5103	http://op.niscpr.res.in/index.php/IJC
41.	Formulation of Value-Added Products from Jamun Seed without Loss in the Physicochemical and Medical Properties	Dr. J. Albino Wins		Turkish Journal of Physiotherapy and Rehabilitation	2651-4451	https://dergipark.org.tr/en/pub/tjpr
42.	Production and Characterization of Extracellular Pectinase from a Newly Isolated Bacillus Species from Fruit Waste Soil	Dr. J. Albino Wins		Materials Today: Proceedings	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings
43.	GC-MS Analysis of Biologically Active Compounds Present in two Different Extracts of <i>Sansevieria Cylindrica</i>	Dr. Bojasa A. Rosy		International Journal of Botany Studies	2455-541X	https://www.botanyjournals.com/
44.	Micropropagation of an Endangered Medicinal Plant <i>Anaphyllum Wightii</i> Schott. through Nodal Culture	Dr. A. Anami Augustus Arul		International Journal of Botany Studies	2455-541X	https://www.botanyjournals.com/
45.	In vitro fibrinolytic Activity of an Enzyme Purified from <i>Bacillus amyloliquefaciens</i> strain KJ10 isolated from soybean paste	Dr. N. Benit		Saudi Journal of Biological Science	1319-562X	https://www.sciencedirect.com/journal/saudi-journal-of-biological-sciences



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46.	Carbapenemases producing <i>Klebsiella pneumoniae</i> from the pus of hospitalized patients: In-vitro antibiotic properties of Streptomycetes against multidrug resistant infectious bacteria	Dr. N. Benit		Journal of Infection and Public Health	1876-035X	https://www.sciencedirect.com/journal/journal-of-infection-and-public-health
47.	Bacteriological Contamination of Ground Water in relation to Septic Tanks of Kanyakumari District, South India	Dr. J. Albino Wins		Journal of the Maharaja Sayajirao University of Baroda	0025-0422	https://www.msubaroda.ac.in/MSUBJournal
48.	Phytochemical and Biological Screening of Organic Solvent Extracts of <i>Ipomoea Pes-Caprae</i> flower	Dr. J. Vinoliya Josephine Mary	Zoology	Annals of The Romanian Society for Cell Biology	1583-6258	https://annalsofrscb.ro/index.php/journal
49.	Phytochemical and Biological Screening of Organic Solvent Extracts of <i>Ipomoea Pes-Caprae</i> flower	Dr. S. Mary Mettilda Bai		Annals of The Romanian Society for Cell Biology	1583-6258	https://annalsofrscb.ro/index.php/journal
50.	Isolation of oil degrading bacteria from engine oil contaminated soil	Dr. F. Brisca Renuga		Uttar Pradesh Journal of Zoology	0256-971X	https://mbimph.com/index.php/UPJOZ
51.	Function of Brain in L2 Learning - Neurolinguistic Perspective	Dr. R. Abilasha	English	Linguistica Antverpiensia, New Series - Themes in Translation Studies	0304-2294	https://lans-tts.uantwerpen.be/index.php/LANS-TTS
52.	The Prominence of Innovative Ideas and Technologies in ELT Classroom	Dr. R. Abilasha		Linguistica Antverpiensia, New Series - Themes in Translation Studies	0304-2294	https://lans-tts.uantwerpen.be/index.php/LANS-TTS

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53.	Teaching of English using Online Tools During Pandemic	Dr. P. Sathya		Bioscience Biotechnology Research Communications	0974-6455	https://bbrc.in/
54.	Technology Enabled Language Learning using CALL and MALL	Dr. P. Sathya		Bioscience Biotechnology Research Communications	0974-6455	https://bbrc.in/
55.	Psychological Realism in Helen Benedicts's Wolf Season	Ms. C. Nesavathy		Journal of the Maharaja Sayajirao University of Baroda	0025-0422	https://msubaroda.ac.in/MSUB_Journal/
56.	The Desolate Hope of Afghan Women in Atiq Rashmi's The Patience Stone	Dr. H. Jimsy Asha		George Washington International Law Review	1534-9977	https://thegwilr.org/the-journal/
57.	Memory and Landscape as Agents of Creativity in Seamus Heaney's Electric Light	Ms. A. Judes Jalaja		KALA: The Journal of Indian Art History Congress	0975-7945	https://journalsearches.com/journal.php?title=kala:%20the%20journal%20of%20indian%20art%20history%20congress%20(print%20only)
58.	An Overview of Aesthetics in the Select Verses of Bhrathiyar and Vairamuthu	Ms. J. M. Gracelin Lydia	English SF	Turkish Journal of Computer and Mathematics Education	1309-4653	https://turcomat.org/index.php/turkbilmat
59.	Ezhuthilakkiyathil Chrishthava Pentheivam	Dr. S. Thenmozhi	Tamil	Modern Tamizh Research	2321- 984X	https://holycrossnagl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
60.	Ariviyal Pettakam- Tamil Illakiyankal	Dr. S. Sunitha		Modern Tamizh Research	2321- 984X	https://holycrossnagl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
61.	Purananootil Kanappadum Arivial Karuthukal	Dr. M.D. Arunmozhi Nangai		Modern Tamizh Research	2321- 984X	https://holycrossnagl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf

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62.	Valluvam Kattum Valviyal Neri	Dr. A. Delphin	Tamil SF	Modern Tamizh Research	2321-984X	https://holycrossngl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
63.	Etuthogaiyil Pengal Valviyal	Ms. A. Beaula		Modern Tamizh Research	2321-984X	https://holycrossngl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
64.	Etuthogaiyil Pengal Uzaviyal	Ms. A. Beaula		Modern Tamizh Research	2321-984X	https://holycrossngl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
65.	Social Legislations of Gowri Lakshmi Bai	Dr. S. Regi	History	Modern Tamizh Research	2321-984X	https://holycrossngl.edu.in/Content/Journal/2021/Home_Page/Home_Page_2.pdf
66.	Religious Life of Rani Gowri Lakshmi Bai	Dr. I. Jalaja Kumari		The Journal of Oriental Research Madras	0022-3301	https://koshambifoundation.org/ncmrp/2021/oriental-research-madras/
67.	Digital Banking Mission: Evolution of Payment Banks in India	Dr. S. Sahayaselvi	Commerce	Jijnssa	0337-743X	https://abcdindex.com/Journal/Jijnasa-(print-only)-0337-743X
68.	Indian Banking: Digital Transformation of Automated Teller Machine Channel over a Decade	Dr. S. Sahayaselvi		International Journal of Future Generation Communication and Networking	2233-7857	http://sersc.org/journals/index.php/ijfgcn
69.	Indian Banking: Digital Transformation in Retail Banking Operations over a Decade	Dr. S. Sahayaselvi		ANVESAK	0378-4568	https://www.spiesr.ac.in/Anvesak/About%2bthe%2bJournal#
70.	Awareness and Perception towards Digital Payments	Dr. S. Sahayaselvi		ANVESAK	0378-4568	https://www.spiesr.ac.in/Anvesak/About%2bthe%2bJournal#
71.	Transformation of Digitization and Innovations in Electronic Banking	Dr. S. Sahayaselvi		Utkal Historical Research Journal	0976-2132	https://utkaluniversity.ac.in/utkal-historical-research-journal/

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	Channel over a Decade in India					
72.	A Study on Difficulties faced by Young Users of Social Media Advertisements	Dr. S. Sahayaselvi		Jijnssa	0337-743X	https://abcdindex.com/Journal/Jijnasa-(print-only)-0337-743X
73.	Impact of Emotional Intelligence in Promoting Job Performance of Teachers Working in Arts and Science Colleges, Nagercoil	Dr. M. Mary Helen Stella		Dogo Rangsang Research Journal	2347-7180	https://www.drrs.in/dogo-rangsang-research-journal
74.	Impact of Emotional Intelligence in Promoting Job Performance of Teachers Working in Arts and Science Colleges, Nagercoil	M. Merlin Vista	Commerce SF I	Dogo Rangsang Research Journal	2347-7180	https://www.drrs.in/dogo-rangsang-research-journal
75.	Challenges Faced by Small Scale Entrepreneurs in Kanyakumari District	Ms. J. Jenifer	Commerce SF II	International Journal of All Research Education and Scientific Methods	2455-6211	https://www.ijaresm.com/
76.	Challenges Faced by Small Scale Entrepreneurs in Kanyakumari District	Dr. J. Divya Merry Malar		International Journal of All Research Education and Scientific Methods	2455-6211	https://www.ijaresm.com/
77.	A Study on Difficulties faced by Young Users of Social Media Advertisements	Ms. J. Jani Mercibai		Jijnssa	0337-743X	https://abcdindex.com/Journal/Jijnasa-(print-only)-0337-743X

