



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

LIST OF PAPERS IN WEB OF SCIENCE INDEXED JOURNALS

Sl. No.	Name of the author/s	Department	Title of Article	Name of the Journal	Year of Publication	No. of Citations
Year – 2023						
1	H. Jude Leonard Hilary V. Sathana	Physics	Investigation on the growth, characterization and computational analysis of 2-Amino-2-thiazoline single crystals	Chemical Physics Impact	2023	5
2	R. Sagayaraj S. Sebastian	Physics	Improved optical and magnetic properties of polycrystalline Z-type hexaferrites by co-precipitation method	Applied Physics A Materials Science & Processing	2023	7
3	R. Sagayaraj, S. Sebastian, S. Silvan	Physics, Biochemistry	Green synthesis, Structural and Magnetic Properties of Mg _{0.5} Zn _{0.5} Fe ₂ O ₄ Ferrite Nanoparticles by the Coprecipitation Method: Averrhoa bilimbi fruit	Chemistry Africa A Journal of the Tunisian Chemical Society	2023	2
4	H. Jude Leonard Hilary	Physics	Synthesis, characterization and in vitro anticancer analysis of PEG-capped Mn-doped TiO ₂ nanoparticles against	New Journal of Chemistry	2023	1



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			hepatocellularcarcinoma cells			
5	T. Miranda Lakshmi, Alex Aruldoss	Computer Science, Bank Management, Business Administration (CA)	The effect of knowledge conversion on innovation and performance: A multi-layered moderated-mediation model	Knowledge Process Management John Wiley & Sons Ltd	2023	1
6	J. Jayaprakash	Microbiology	Phytogenic synthesis of silver nanoparticles using <i>Achyranthes japonica</i> root and its in vitro antimicrobial, antioxidant, and mushroom tyrosinase inhibitions	Particulate Science and Technology	2023	0
7	F. Paul Arokiadoss	Chemistry	A DFT study on structural and bonding analysis of transition-metal carbonyls $[M(CO)_4]$ with terminal silicon chalcogenides complexes $[M(CO)_3SiX]$ ($M = Ni, Pd,$ and Pt ; $X = O, S, Se,$ and Te)	Computational Theoretical Chemistry	2023	7
8	A. Amalorpavadoss	Chemistry	SnO ₂ Nanoparticle-Dispersed, Phosphoric Acid-Doped Poly(vinyl alcohol)/Epoxy Resin/Siloxane Hybrid Network Proton Transport	Industrial & Engineering Chemistry Research	2023	0



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			Membrane for Fuel Cell Applications			
9	F. Paul Arokiadoss	Chemistry	Understanding the electronic structure of the alkaloid in scorpion venom through drug adsorption and molecular docking studies on COVID-19 proteins	Chemical Physics Impact	2023	2
10	Alex Aruldoss, G. Bhuvaneswari	Commerce (BM)	Demystifying hedonic shopping motivation and consumer buying behavior during the post-global pandemic: evidence from a developing country	Journal of Marketing Theory and Practice	2023	14
Year - 2022						
11	S. Sebastian S. Silvan	Physics, Biochemistry	Conformational analysis, molecular structure, spectroscopic, NBO, reactivity descriptors, wavefunction and molecular docking investigations of 5,6-dimethoxy-1-indanone: A potential anti Alzheimer's agent	Heliyon	2022	7
12	Chinnappan Adaikalaraj Francisxavier Paularokiadoss Selvaraj Immanuel S. Albert nickson	Chemistry	Synthesis, spectral characterization, intramolecular interactions, electronic nonlinear optical response and molecular docking studies of ethyl-6-methyl-4-(3-(1-methyl-1H-	Journal of Molecular Structure	2022	6



			pyrrole-2-carboxamido)phenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate			
13	Francixavier Paularokiadoss	Chemistry	Structural analysis and chemical descriptors analysis of 4-aminopyridine adsorbed on M4 (M = Co, Ni, Cu) clusters: A DFT study	Vietnam Journal of Chemistry	2022	8
14	Francisxavier Paularokiadoss, D. Bhakiaraj	Chemistry	Group 13 monohalides [AX (A = B, Al, Ga and In; X = Halogens)] as alternative ligands for carbonyl in organometallics: Electronic structure and bonding analysis	Computational and Theoretical Chemistry	2022	17
15	C. Adaikalaraj, D. Bhakiaraj, Thiruthuvadevaraj Antony Sandosh, Francisxavier Paularokiadoss	Chemistry	Synthesis and characterization of ethyl-6-methyl-2-oxo-4-(3-(2,4,5-trifluorobenzamido)phenyl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate. A DFT approach	Vietnam Journal of Chemistry	2022	0
16	Alex Aruldoss, T. Miranda Lakshmi	Bank Management, Business Administration (CA),	The relationship between work–life balance and job satisfaction: moderating role of training and development and work environment	Journal of Advances in Management Research(JAMR)	2022	86



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		Computer Science				
17	R.sagayaraj	Physics	Structural, Spectroscopy and Magnetic Properties of Copper Doped Nickel Ferrite by the Co-precipitation Method	Chemistry Africa	2022	3
18	A. Venkatesan	Mathematics	Synthesis, characterization and magnetic properties of mg ²⁺ doped green pigment cobalt aluminate	Journal of Materials Science: Materials in Electronics	2022	9
19	A. Arokia mary	Mathematics	Analyzing the Lack of Interest in the Undergraduate Science Courses by Using Fuzzy Relational Equations of Max-Add Composition.	TELEMATIQUE	2022	0
20	S. Anjalmoose, J.Arockia Aruldoss	Mathematics	Chromatic Index and Line graphs of Neighbourly Irregular Fuzzy Chemical Graphs(GNIFC) among s-block and p-block elements	Punjab University Journal of Mathematics	2022	0
21	S. David Amalraj	Chemistry	A facile one-pot synthesis, computational and molecular docking studies of benzimidazole and benzothiazole compounds using Amberlite IRA 400-Cl resin as green/reusable catalyst	Journal of Molecular Structure	2022	16
22	F. Paul Arokiadoss	Chemistry	Experimental and theoretical studies of novel	Journal of Molecular Structure	2022	8



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			Schiff base based on diammino benzophenone with formyl chromone – BPAMC				
23	F. Paularokiadoss C. Adaikalaraj M. Sebastian Marianathan G. Anand	Chemistry	Exploring the Fe doped borazine system as a promising CFC adsorbent: A DFT study	Computational and Theoretical Chemistry	2022	4	
24	M. Parimala Celia	Microbiology	Evaluation of Antibacterial activity of Cleome gynandra and Cassia alata against bacterial pathogens and characterization of phytochemicals using GC-MS analysis	Uttar Pradesh Journal of Zoology	2022	0	
25	M. Parimala Celia	Microbiology	Antibacterial potential of plant parts of Ficus racemosa against human pathogens and GC-MS analysis	Uttar Pradesh Journal of Zoology	2022	0	
26	Francisxavier Paularokiadoss	Chemistry	Biological synthesis and characterization of zinc oxide nanoparticles (ZnONPs) from Anisomeles malabarica	Vietnam Journal of Chemistry	2022	4	
27	R.sagayaraj S. Sebastian	Physics	Influence of Ce ³⁺ (Rare Earth Element) on the Structural, Morphological, Impedance, Binding Energy and Ferrimagnetic Properties of Spinel ZnFe ₂ O ₄	Chemistry Africa	2022	8	



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			Nanoparticles Fabricated by the Coprecipitation Method: Antibacterial Activity			
28	Alex Aruldoss, G. Bhuvaneshwari	Commerce (BM)	Work-From-Home Productivity and Job Satisfaction: A Double-Layered Moderated Mediation Model	Sustainability	2022	26
29	A. Lilly, R. Rajkumar	Commerce, Bank Management	Aggrandizing the human resource development with underpinning Artificial Intellegene	Journal of Statistics and Mangement Systems	2022	5
30	R.sagayaraj	Physics	A review on structural and magnetic properties of magnesium ferrite nanoparticles	International nano letters	2022	3
Year - 2021						
31	M.Sathish	Physics	Spectroscopic (FT-IR, FT-Raman, UV-Vis) Molecular Structure, Electronic, Molecular docking, and thermodynamic investigations of indole-3-carboxylic acid by DFT method	Journal of Molecular structure, Elsevier	2021	26
32	M. Maria Julie	Physics	Structural (monomer and dimer), wave functional, NCI analysis in aqueous phase, electronic and excited state properties in different solvent atmosphere	Journal of Molecular Liquids	2021	53



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			of 3-{(E)-[(3,4-dichlorophenyl)imino]methyl} benzene-1,2-diol			
33	S.Sangeetha Margreat, S. Sebastian, S. Xavier	Physics	Synthesis, spectroscopic, quantum computation electronic, aim, wave function (ELF, LOL) and molecular docking investigation on (e)-1-(2,5-dichlorothiophen-3-yl)-3-(thiophen-2-yl)-2-propen-1-one	Chemical data collection	2021	34
34	R.Sagayaraj	Physics	Evaluation of Bioactive Potential of a Tragia involucrata Healthy Leaf Extract @ ZnO	BioNanoScience	2021	11
35	R.Sagayaraj	Physics	Structural, Spectroscopic and Magnetic Study of Nanocrystalline Terbium–Nickel Ferrite by Oxalate Co-Precipitation Method	Chemistry Africa	2021	18
36	R.Sagayaraj	Physics	Review on structural and magnetic properties of (Co–Zn) ferrite nanoparticles	International nano letters	2021	32
37	A.Amalorpavadoss	Chemistry	Synthesis and characterization of piperazine containing polyaspartimides blended polysulfone membranes for fuel cell applications	Journal of Solid State Electrochemistry	2021	8
38	F. Paularokiadoss	Chemistry	Coordination of indium monohalide with group-10	Chemical Papers	2021	13



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			metal carbonyls [TM(CO) ₃ (InX)]: a DFT study			
39	F. Paularokiadoss, Thiruthuvadevaraj Antony Sandosh	Chemistry	Theoretical studies of group 10 metal gallylene complexes [TM(CO) ₃ (GaX)]	Computational and Theoretical Chemistry	2021	12
40	Alex Aruldoss	Bank Management, Business Administration (CA)	The Relationship Between Human Resource Management Practices, Knowledge Management Practices, and Performance: Evidence from the Healthcare Industry in India	Global Business Review	2021	14
41	A Amalorpavadoss	Chemistry	Synthesis, Characterization and anti-corrosion property of GPTMS functionalized mesoporous silica (F-SBA-15) incorporated aliphatic chain containing polybenzoxazine nanocomposites	Composite Interfaces	2021	7
42	Francisxavier Paularokiadoss, Selvaraj Immanuel	Chemistry	Chemistry of group-10 metals monohaloaluminum complexes [TM(CO) ₃ AlX]: a DFT study	Theoretical Chemistry Accounts	2021	10
43	T. Antony Sandosh	Chemistry	Synthesis and characterization of Cu _{0.92} Co _{2.08} O ₄ nanoplates for supercapacitor electrode application	Ferroelectrics	2021	1



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44	S. Xavier, S. Sebastian, Francisxavier Paularokiad oss, Richard Rajkumar	Physics, Chemistry	Synthesis, reaction pathways, homa, TG/DSC, spectroscopic and quantum computational analysis of (2E)-3-[3-(benzyloxy)phenyl]-1-phenyl-2-propen-1-one	Journal of Molecular Structure	2021	2
45	A.Arokiamary	Mathematics	Fuzzy Relational Equation of minimum Addition composition	STRAD research	2021	0
46	R.sagayaraj	Physics	Review on structural and magnetic properties of (Co–Zn) ferrite nanoparticles	International nano letters	2021	32
47	R.sagayaraj	Physics	Microstructure and magnetic properties of Cu _{0.5} Co _{0.3} Mo _{0.2} Fe ₂ O ₄ ferrite nanoparticles synthesized by coprecipitation method	Applied Physics A	2021	22
48	R.sagayaraj	Physics	Evaluation of Bioactive Potential of a Tragia involucrata Healthy Leaf Extract @ ZnO Nanoparticles	BioNanoScience	2021	11
Year - 2020						
49	R.Saranraj	Statistics	A Multi-Component Immune System In Reliability Expression	GEDRAG & ORGANISATIE REVIEW	2020	0
50	G.Suresh	Computer Applications	An Unified Framework Of Genetic Software Agent	ADALYA JOURNAL	2020	0



			Based Missing Value Replacement Model,			
51	T.Antony Sandosh	Chemistry	Facile and Cost-Effective CTAB Templated Hydrothermal Synthesis and Characterization of MgCo ₂ O ₄ Electrode Material for Supercapacitor Application	Journal of Inorganic and Organometallic Polymers and Materials	2020	6
52	T.Antony Sandosh, Chinnappan Adaikalaraj	Chemistry	Facile Cetyl Trimethyl Ammonium Bromide-assisted Hydrothermal Synthesis of Spinel NiCo ₂ O ₄ Nanoplates as an Electrode Material for Supercapacitor Application	Journal of Materials Engineering and Performance	2020	1
53	T.Antony Sandosh	Chemistry	Morphology controlled synthesis of one-dimensional CoMn ₂ O ₄ nanorods for high-performance supercapacitor electrode application	Chemical Papers	2020	12
54	S. Sebastian, S. Xavier, S. Sangeetha Margreat	Physics	Synthesis, spectral characterization (FT-IR, FT-Raman and NMR) and Quantum computational analysis of (E)-1-(4-Bromophenyl)-3-(5-bromothiophen-2-yl) prop-2-en-1-one	Chemical data collection	2020	6



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55	K. Elayakumar, V. Sathana	Physics	Structural and magnetic characterization of rare earth element cerium doped nickel ferrite nanoparticles by sol-gel method with antibacterial activity	Journal of superconductivity and Novel magnetism	2020	21
56	S. Sangeetha Margreat, S. Sebastian, S. Xavier, S. Joseph Christian Daniel, M. Maria Julie	Physics, Microbiology	DFT, spectroscopic, DSC/TGA, electronic, biological and molecular docking investigation of 2,5-thiophenedicarboxylic acid: A promising anticancer agent	Journal of Molecular Structure	2020	25
57	Alex Aruldoss	Bank Management, Business Administration (CA)	The relationship between quality of work life and work-life-balance mediating role of job stress, job satisfaction and job commitment: evidence from India	Journal of Advances in Management Research	2020	244
58	F. Paul Arokia Doss	Chemistry	Theoretical studies of group 10 metal gallylene complexes [TM(CO) ₃ (GaX)]	Computational and Theoretical Chemistry	2020	12
59	P. John Thomas	Microbiology	Extended spectrum Beta Lactamase coding genes mediated resistance in Klebsiella pneumonia	BMC infectious diseases 2020 ISSHID	2020	0



Year - 2019

60	J. Jayaprakash	Microbiology	Green biogenic synthesis of zinc oxide nanoparticles using <i>Pseudomonas putida</i> culture and In vitro antibacterial and anti-biofilm activity	Biocatalysis and Agricultural Biotechnology	2019	71
61	J. Jayaprakash	Microbiology	Hydnocarpus alpine Wt extract mediated green synthesis of ZnO nanoparticle and screening of its anti-microbial, free radical scavenging, and photocatalytic activity.	Biocatalysis and Agricultural Biotechnology	2019	57
62	Jayaprakash Jayabalan, P. John Thomas, D. John Milton	Microbiology	Green Biogenic synthesis of zinc oxide nanoparticles using <i>Pseudomonas putida</i> culture and Its invitro antibacterial and antibiofilm activity	Biocatalysis and Agricultural Biotechnology	2019	76
63	H.Jude Leonard Hilary	Physics	Structural, optical, mechanical and dielectric property studies of adduct single crystal 2,4,6-trinitrobenzene-1,3-diol-2-methylimidazole: A spectroscopic and theoretical approach	Physica B: Condensed Matter	2019	5
64	S. Sebastian, S. Xavier	Physics	Structural, Spectroscopic, Hirshfeld surface and charge distribution analysis of 3-(1H-imidazole-1-yl)-1-	Journal of Molecular Structure	2019	6



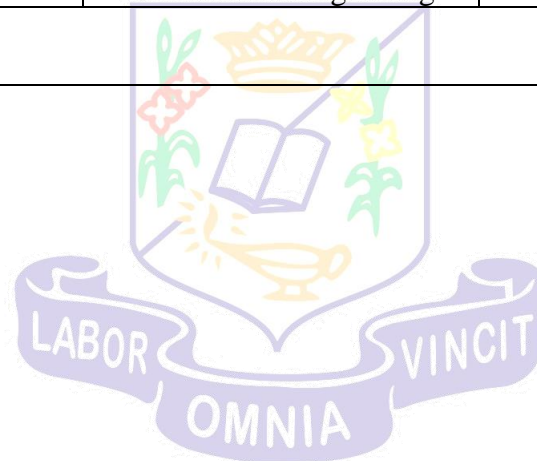
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			phenylpropan-1-ol complemented by molecular docking predictions: An integrated experimental and computational approach			
65	K. Shagirtha	Biochemistry	The molecular and biochemical insight view of grape seed proanthocyanidins in ameliorating cadmium-induced testes-toxicity in rat model: implication of PI3K/Akt/Nrf-2 signalling	Bioscience Reports	2019	60
Total Number of Citations						1157




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