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DEPARTMENT OF AND HUMANITIES AND SCIENCE JOURNAL PUBLICATIONS AY 2023-24

S.N O	AUTHORS	PAPER TITLE	JOURNAL NAME	INDEXE D (UGC CARE/ SCOPUS/ WOS)	LINK
1.	Dr. Jasmine P Vennila	Synthesis, solvent role in TD-DFT (IEFPCM model), fluorescence and reactivity properties, topology and molecular docking studies on sulfathiazole derivative	Journal of Molecular Liquids	SCI	https://www.scopus.com/authid/detail.uri?authorId=24463021200
2.	Dr. Jasmine P Vennila	Improved photocatalytic efficiency of rare earth metal-incorporated magnesium oxide nano-hexagonal sheets for the degradation of Ciprofloxacin and methylene blue dye	Results in chemistry	SCI	https://www.scopus.com/authid/detail.uri?authorId=24463021200
3.	Dr. P. Anthoniammal	Growth, experimental and theoretical investigation on the nonlinear optical, vibrational, and electronic properties of L-2-aminobutyric acid D-methionine crystal: a combined experimental and quantum chemical approach	Journal of Materials Science: Materials in Electronics,	SCI	https://www.scopus.com/authid/detail.uri?authorId=58195106300
4.	Dr. P. Anthoniammal	Biogenic synthesis of gold nanoparticles using bael fruit juice and its efficacy against human A-549 lung cancer cell line	In Organic Chemistry communication	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300
5.	Dr. P. Anthoniammal	Theoretical and experimental spectroscopic studies and analysis for wave function on Nphenylmorpholine-4-carboxamide benzene-1,2-diamine with computational techniques	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300

6.	Dr. P. Anthoniammal	Structural(monomer and dimer), spectroscopic (FT-IR,FT- Raman,UV-Vis and NMR) and solvent effect (polar and nonpolar) studies of 2-methoxy-4-vinl phenol	Chemical Physics Impact	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300
7.	Dr. P. Anthoniammal	A combined theoretical and experimental studies of d-2aminobutyric acid l-norvaline single crystal for an efficient third-order nonlinear optical (NLO) applications.	Journal of Molecular Structure	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300
8.	Dr. P. Anthoniammal	Synergistic effect of Echinops flower-like Copper sulfide@Cadmium sulphide heterostructure for high-performance all-solid-state asymmetric supercapacitor	Journal of Energy Storage	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300
9.	Dr. P. Anthoniammal	Comparison of spectroscopic, structural and molecular docking studies of 5-nitro-2-fluoroaniline and 2-nitro-5-fluoroaniline: An attempt on fluoroaniline isomers	Journal of Fluorine Chemistry	SCIE	https://www.scopus.com/authid/detail.uri?authorId=58195106300
10.	Dr. C. Esther Jeyanthi	A comparative study on physico-chemical, optical, magnetic and ferroelectric properties of undoped BiFeO ₃ and Ni-doped BiFeO ₃ nanoparticles	Inorganic Chemistry Communications	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789
11.	Dr. C. Esther Jeyanthi	PCM embedded square channel receiver for effective operation of Net Zero Emission/Energy PDC building heating system	Sustainable Energy Technologies and Assessments	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789
12.	Dr. C. Esther jeyanthi	Fabrication, structural, thermo-mechanical and opto-electrical behavior of anthranilamide compound	Materials Today Communications	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789
13.	Dr. C. Esther Jeyanthi	Supramolecular assembly of guanidinium benzilate and benzylammonium benzilate: structural and spectroscopic (FT-IR, UV-Vis and photoluminescence) analyses	Chemical Papers	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789

14.	Dr. C. Esther Jeyanthi	Visible light photocatalysis enhancement by Ag ₃ PO ₄ decorated with RuO ₂ nanoparticles	Physica B: Condensed Matter	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789
15.	Dr. C. Esther Jeyanthi	Improved ultraviolet photodetector performances using solution-processed nitrogen-doped carbon quantum dots/ZnO hybrid thin films	Thin Solid Films	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57218711789
16.	Mrs. A. Sutha	Enhanced photocatalytic activity of magnetite/titanate (Fe ₃ O ₄ /TiO ₂) nanocomposite for methylene blue dye degradation under direct sunlight	Optical Materials	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57719987400
17.	Mrs. A. Sutha	A comparative study of structural, optical, and magnetic properties of LaFeO ₃ and La ₂ CuO ₄ perovskite nanoparticles	Journal of Materials Science: Materials in Electronics	SCIE	https://www.scopus.com/authid/detail.uri?authorId=57719987400
18.	Dr. A.Venkatesan	Studies on the structural, optical, mechanical, and electrical properties of a novel 2-aminoanilinium benzene-1, 2-diaminium tris (4-methylbenzene-1-sulfonate) single crystal	Journal of Materials: Materials in Electronics	SCI	https://www.scopus.com/authid/detail.uri?authorId=57359869400
19.	Dr. A.Venkatesan	A Review on Anthropogenic Biomass Burning: Emission of Aerosol Pollutants, Impact on Climate Change, Human Health and its Mitigation Strategies	Asian Journal of Chemistry	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57359869400
20.	Dr. A.Venkatesan	Development of Bifunctional Molybdenum Substituted NiO Nanospheres for the Maximization of Photocatalysis and Gas Sensor Activities	Journal of Materials: Materials in Electronics	SCI	https://www.scopus.com/authid/detail.uri?authorId=57359869400
21.	Dr. S. Sakthivel	Microscopic solvent-solute interactions, reactivity studies, structure properties and anti cancer activity of 1-(1-benzofuran-5-yl)-N-methylbutan-2-amine	Journal of Molecular Liquids	SCI	https://www.scopus.com/authid/detail.uri?authorId=57218539046
22.	Dr. S. Sakthivel	Structural, spectral analysis, reactivity, topological and pharmacological investigations on an antihistamine agent	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57218539046

23.	Dr. S. Sakthivel	Molecular structure, different solvents interaction, thermodynamic, electronic, topological, and chemical behaviors of cis-2,6-dimethylpiperazin- anti depression agent	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57218539046
24.	Dr. S. Sakthivel	Conformational stability, quantum computational (DFT), vibrational, electronic and non-covalent interactions (QTAIM, RDG and IGM) of antibacterial compound N-(1-naphthyl)ethylenediamine dihydrochloride	Journal Of Molecular Structure	SCI	https://www.scopus.com/authid/detail.uri?authorId=57218539046
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26.	Dr. S. Sakthivel	Vibrational spectral and electronic properties, Topology studies and biological assay of a potent Anticonvulsant agent: Divalproex Sodium	Spectroscopy Letters	SCI	https://www.scopus.com/authid/detail.uri?authorId=57218539046
27.	Dr. S. Selvakumari	Molecular level interaction, molecular structure, chemical reactivity, electronic and topological exploration and docking studies of 1-acetyl-4-piperidinecarboxylic acid	Zeitschrift Für Physikalische Chemie	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57226079392
28.	Dr. S. Selvakumari	Molecular level interaction, electrons excitation properties, solvent effect using IEFPCM investigation, topological surface, and docking analysis of 4-pyrrolidin-2-yl-pyridine	Zeitschrift Fur Physikalische Chemie,	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57226079392
29.	Dr. S. Selvakumari	Computational study of electronic excitations properties in solvents, molecular interaction energies, topological and biological properties of Ethyl 6-bromoimidazo[1,2-a]pyridine-2-carboxylate	Computational And Theoretical Chemistry	SCI	https://www.scopus.com/authid/detail.uri?authorId=57226079392
30.	Dr. S. Selvakumari	Quantum computational, spectroscopic characterization, Hirshfeld analysis & molecular docking studies on p-toluenesulfonic acid (p-TSA) or tosylic acid	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57226079392
31.	Dr. S. Selvakumari	Effect of solvent role in electronic properties, band gap, electron injection barrier, charge transport nature, topology studies (ELF, LOL, RDG), and optical properties of azoles for multifunctional applications	Journal Of Molecular Liquids	SCI	https://www.scopus.com/authid/detail.uri?authorId=57226079392

32.	Dr. S. Selvakumari	Solvent effect on molecular, electronic parameters, topological analysis and Fukui function evaluation with biological studies of imidazo [1, 2-a] pyridine-8-carboxylic acid	Journal Of Molecular Liquids	SCI	https://www.scopus.com/authid/detail.uri?authorId=57226079392
33.	Dr. P. Sangeetha	Vibrational spectra, molecular structure, electronic, pharmaceutical and bonding nature of (4S)-4-(3,4-dihydroxyphenyl)-1,2,3,4-tetrahydroisoquinoline-7,8-diol – anti hypertension agent	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
34.	Dr. P. Sangeetha	Geometrical factor, Bond order analysis, vibrational energies, electronic properties (gas and solvent phases), topological and molecular docking analysis on Ipriflavone-osteoporosis diseases.	Zeitschrift Fur Physikalische Chemie,	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57193875760
35.	Dr. P. Sangeetha	Spectroscopic analysis of 2-amino-1-apthalenesulfonic acid, molecular docking, and evaluation of the electronic properties of several Solvents	Spectroscopy Letters	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
36.	Dr. P. Sangeetha	Utilizing the IEFPCM examination on 4-Carboxy Acetanilide Benzoic acid, molecular docking molecular structure, electronic, structural and topological investigations were performed using solvents (water, benzene, acetone, and DMSO)	Journal Of Molecular Liquids	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
37.	Dr. P. Sangeetha	Molecular, quantum computational, electron excitations, molecular surface properties and molecular docking studies on 3-methyl-2-phenylmorpholine	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
38.	Dr. P. Sangeetha	Molecular level interaction of solvents (water, benzene and DMSO) analysis of the 2-Bromo-6-nitrotoluene's reactive charge transfer, docking, and spectroscopic properties	Journal Of King Saud University- Science	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
39.	Dr. P. Sangeetha	Molecular structure, electronic, topology and non-covalent interaction of 4-(Bis(2-chloroethyl)amino)-L-phenylalanine- Anti-blood cancer activity	Chemical Physics Impact	SCI	https://www.scopus.com/authid/detail.uri?authorId=57193875760
40.	Dr. M. Vimala,	Synthesis and spectroscopic investigation of N-allyl-N-ethylformamide: computational aspects of DFT, molecular docking and drug-likeness analyses	Molecular physics	SCI	https://www.scopus.com/authid/detail.uri?authorId=57223123757

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43.	Dr. N. Ambikeswari	Tuning Electron–Phonon Coupling in Se-Doped Fe ₂ O ₃ for Efficient Photocatalysis: Experimental and First-Principles Calculations	Appl. Nano mater.	SCI	https://www.scopus.com/authid/detail.uri?authorId=57198345346
44.	Dr. S. Bharanidharan	Synthesis, spectral characterisations, biological evaluation, DFT calculation and molecular docking analysis of 3,5-diethyl-2,6-di(2-bromophenyl)piperidin-4-one picrate with topological indices studies	Molecular physics	SCI	https://www.scopus.com/authid/detail.uri?authorId=56401203600
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54	Dr. A. Jayanthi	Sol-Gel synthesis, characterization and photocatalytic activity of Cobalt doped ZnO nanoparticles	Research Journal of Chemistry and Environment	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57408135700
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56	Dr. B. Anna Benedict	Adsorption isotherms and kinetic studies for the defluoridation from aqueous solution using eco-friendly natural adsorbent like Terminalia Chebula	Sustainable Chemistry for Climate Action	SCIE	https://www.scopus.com/authid/detail.uri?authorId=56771385900&origin=recordpage
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58	Dr.A. Kistan	Investigating The Wear Resistance of Zn-Co-Ni Alloy Coatings on polymer substrates	Journal of the Balkan Tribological Association	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56771385900

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65	Dr.A. Kistan	Sol-Gel synthesis, characterization and photocatalytic activity of Cobalt doped ZnO nanoparticles	Research Journal of Chemistry & Environment	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56771385900
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		photochemical reactivity, topology and antimicrobial evaluation of acetic acid trihydrate, 2-[(2-aminoacetyl) amino] acetic acid with methanamide	Chemistry		56771385900
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