



PANIMALAR ENGINEERING COLLEGE

[JAISAKTHI EDUCATIONAL TRUST]

Approved by AICTE | Affiliated to Anna University | Recognized by UGC

All Eligible UG Programs are Accredited by NBA

Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai- 600 123

DEPARTMENT OF AND HUMANITIES AND SCIENCE JOURNAL PUBLICATIONS AY 2024-25

S.N O	AUTHORS	PAPER TITLE	JOURNAL NAME	INDEXED (UGC CARE/ SCOPUS/ WOS)	LINK
1.	DR.JASMINE P. VENNILA	Green synthesis of gadolinium-doped bismuth oxide nanoparticles; Exploring their biological and photocatalytic activities	Chemical Physics Impact	SCOPUS	https://doi.org/10.1016/j.chphi.2024.100678
2.	DR.JASMINE P. VENNILA	Ultrathin electrode of Binder free energy storage devices: Fabrication of Mgo@RGO nanocomposites through hierarchical synthesis	Russian Journal of General Chemistry	SCOPUS	https://link.springer.com/article/10.1134/S1070363224070211
3.	DR. C. ESTHER JEYANTHI	Optical and mechanical stability of Tutton's salt crystal of Cu^{2+} doped ammonium cobalt(II) sulphate hexahydrate	J. Mater Science Mater Electron	SCOPUS	https://link.springer.com/article/10.1007/s10854-024-13154-7
4.	DR. C. ESTHER JEYANTHI	Application of computational techniques on non-covalent interactions, H-bond nature of monomeric and dimeric form of crystal structures, and topological insights of glycine glutaric acid	J. of the Indian Chem Society	SCOPUS	https://www.scienceirect.com/science/article/abs/pii/S0019452224002541
5.	DR. S. SAKTHIVEL	Computational investigation structure, effect of band gap energies, charge transfer, thermal energies & NADPH inhibitory activity of a benzimidazole derivative	Comp. and Theoretical Chemistry	SCIE	https://www.scienceirect.com/science/article/abs/pii/S2210271X2400447X

6.	DR. S. SAKTHIVEL	Quantum computational and experimental spectroscopic investigation(FT-IR, Raman, UV–Vis), PES, LHE and topological investigationsof7-[(2R)-2-hydroxypropyl]-1,3dimethylpurine-2,6-dione	Journal of Photochemistry &Photobiology: Chemistry	WOS	https://www.sciencedirect.com/science/article/abs/pii/S1010603024006117
7.	DR. N. JABAMMAL RAJ	Electrical and dielectric properties of PVA-doped NiGdxFe2-xO4	Materials Science & Engineering B	SCOPUS	https://doi.org/10.1016/j.mseb.2024.117610
8.	DR. B. VALARMATHI	(E)-2-[(2,4-dihydroxybenzylidene)amino]benzamide: Synthesis, Antibacterial, Antifungal, Antioxidant and Binding interactions with the 2019-nCoV RBD/ACE2-B0AT1 complex	African Journal of Biological sciences	SCOPUS	https://doi.org/10.48047/AFJBS.6.5.2024.10521-10536
9.	DR. S. BHARANIDHARAN	2,5-Disubstituted structures of 1,3,4-oxadiazole and 1,3,4-thiodiazole for anti-inflammatory potential: DFT approach for the structural aspects	Journal of Molecular Structure	SCIE	https://doi.org/10.1016/j.molstruc.2024.139263
10.	DR. S. BHARANIDHARAN	Rh(III)-catalyzed [4+1] annulation of sulfoxonium ylide with allyl alkyl ethers: A detailed theoretical study of DFT, anti-inflammatory and antidiabetic activity	New Journal of Chemistry	SCOPUS	https://doi.org/10.1039/D4NJ03140G
11.	DR.S.R.NIRANJANA	A bifunctional nanocomposite of hybrid quaternary nanocomposite as electrodes for an integrated Pt-free DSSC powered supercapacitor–photo supercapacitor	Carbon letters	SCOPUS	https://link.springer.com/article/10.1007/s42823-024-00762-w
12.	DR.S.R.NIRANJANA	Electrochemical performance of V2O5/TiO2 nanocomposite: As an emerging electrode material for supercapacitor application	Chemical Physics Impact	SCOPUS	https://doi.org/10.1016/j.chphi.2024.100654

13.	DR.A.JAYANTHI (CHEMISTRY)	Efficient Liver disease diagnosis using infrared image processing for enhanced detection and monitoring	Journal of Environmental Protection and Ecology	SCOPUS	https://www.scopus.com/record/display.uri?eid=2-s2.0-85200696624&origin=resultlist
14.	Dr. A. KISTAN	Design and fabrication of magnetically recoverable SnO ₂ /CoFe ₂ O ₄ nanocomposite for enhanced visible light-driven wastewater treatment	Inorganic Chemistry Communications	SCI	https://doi.org/10.1016/j.inoche.2024.112657
15.	DR. A. KISTAN	Exploring photo biological performance of ternary chemical spectroscopic investigations, photochemical reactivity, topology of acetic acid trihydrate, 2-[(2-aminoacetyl) amino] acetic acid with methanamide	Journal of Photochemistry and Photobiology A: Chemistry	WOS	https://www.sciencedirect.com/science/article/abs/pii/S1010603024003824
16.	DR. A. KISTAN	Synthesis Of Copper Nanoparticles Using Amorphophallus Paeoniifolius Tuber Extract And Their Photodegradation Activities On Methyl Orange Dye	Rasayan Journal of Chemistry	SCOPUS	https://doi.org/10.31788/rjc.2024.1748906
17.	DR. A. KISTAN	Spectral elucidation, antimicrobial and Antioxidant study of newly synthesized Pyrazoline derivatives	Rasayan Journal of Chemistry	SCOPUS	http://doi.org/10.31788/RJC.2024.1718720
18.	DR. A. KISTAN	Improved photocatalytic activity of Ce-doped NiO nanoparticles against methylene blue and rhodamine B dyes	IONICS	WOS	https://doi.org/10.21203/rs.3.rs-4985915/v1
19.	DR.S. VASANTHAN	Design and fabrication of magnetically recoverable SnO ₂ /CoFe ₂ O ₄ nanocomposite for enhanced visible light-driven wastewater treatment	Inorganic Chemistry Communications	SCI	https://doi.org/10.1016/j.inoche.2024.112657

20.	DR.S. VASANTHAN	Synthesis of SnO ₂ -ZnO heterojunction composites for effective degradation of methylene blue and chromium (VI) under solar light irradiation	Ionics	WOS	https://doi.org/10.1007/s11581-024-05766-0
21.	DR.A.ALVIN KALICHARAN	Strategic design and fabrication of rGO encapsulated single phase CdFe ₂ O ₄ nanohybrid for Pt-free dye-sensitized solar cells	Chemical Papers	SCOPUS	https://doi.org/10.1007/s11696-024-03621-0
22.	DR.A.ALVIN KALICHARAN	Synthesis of copper nanoparticles using amorphophallus paeoniifolius tuber extract and their photodegradation activities on methyl orange dye	Rasayan Journal of Chemistry	SCOPUS	https://doi.org/10.31788/rjc.2024.1748906
23.	MR. A. SELVAM	Fabrication of stannous sulphide nanoparticles for photodegradation of thiazine derivative and evaluation of its antibacterial activity	Synthetic Metals	SCOPUS	https://doi.org/10.1016/j.synthmet.2024.117645
24.	G. NAGARAJAN	Effects of chemical reactions in the presence of temperature variations and isothermal mass diffusion over an inclined plate	Int. J. of Applied Mechanics and Engineering,	SCOPUS	https://doi.org/10.59441/ijame/187050
25.	G. NAGARAJAN	Enhancing Paper Cup Manufacturing Quality Using Six Sigma's DMAIC Methodology	Nanotechnology Perceptions	SCOPUS	https://doi.org/10.62441/nanotnp.v20iS9.50
26.	DR. M. SUNDAR RAJ	ODESMAN: Optimizing Decision-Making in Complex Environments: Integrating Neutrosophic and Fuzzy Logic for Advanced System Modelling	International Journal of Neutrosophic Science	SCOPUS	https://doi.org/10.54216/IJNS.240226
27.	DR. M. SUNDAR RAJ	Chemical Process Effects On Sloped Surface With Changing Mass And Consistent Temperature	Chemical Industry & Chem.Engineering Quarterly	SCOPUS	https://doi.org/10.2298/CICEQ231212023G
28.	DR. L.JEYANTHI	Enhancing algorithmic reasoning and critical thinking through game- based learning: A graph theory approach	Multidisciplinary Reviews	SCOPUS	https://10.0.124.149/multirev.2024233

29.	MRS. B. UMA	DIAGNOSIS OF NEUROLOGICAL DISORDERS USING MRI	Journal of Environmental Protection and Ecology	SCOPUS	https://scibulcom.net/en/article/JhC5dB1cOOKfksXS7g13
30.	MRS. J. JULI AMALA RANI	Generalized Symmetric Fermatean Neutrosophic Fuzzy Matrices	Neutrosophic Sets and Systems	SCOPUS	https://zenodo.org/records/13172740
31.	MR. D. MANIRATHNAM	Lehmer – 3 mean labelling of Bicyclic related graphs	Advances in Mechanics	SCOPUS	https://advanceinmechanics.com/pdf/2024-274.pdf
32.	DR.S. PREMA	Cross-Cultural Language Proficiency Scaling using Transformer and Attention Mechanism Hybrid Model	Int. J. of Advanced Comp. Sci. & Applications	SCOPUS	https://doi.org/10.14569/ijacs.a.2024.01506116
33.	DR.S. PREMA	Analysing Code-Mixed Text in Programming Instruction Through Machine Learning for Feature Extraction	International Journal of Advanced Computer Science and Application	SCOPUS	https://doi.org/10.14569/IJACSA.2024.0150788