

S.A.ENGINEERING COLLEGE, CHENNAI – 77

(An Autonomous Institution, Affiliated to Anna University)

DEPARTMENT OF HUMANITIES AND SCIENCE

DETAILS OF PUBLICATIONS OF FACULTY

ACADEMIC YEAR 2023 – 24

S.NO	NAME OF THE FACULTY	PAPERS PUBLISHED			
		Title of the paper	Name of the Journal/Conference with vol no, issue no, page no and impact factor.	Date of publication/presentation	DOI and Annexure details(refer Annexure details of Anna University, Chennai)
1.	Dr. V. Madhusudanan	Exploring the Dynamics of White Noise and Spatial Temporal Variations on Hearing Loss due to Mumps Virus	Results in Physics Volume :51 Page number:106584 June 2023	June 2023	https://doi.org/10.1016/j.rinp.2023.106584
2.	Dr. V. Madhusudanan	The influence of time delay and Gaussian white noise on the dynamics of tobacco smoking model	Chaos, Solitons & Fractals Volume :173 Page number:113616 August 2023	August 2023	https://doi.org/10.1016/j.chaos.2023.113616
3.	Dr. V. Madhusudanan	Stability Analysis of E-epidemic SIT Model with Beddington-DeAngelis Functional Response for Wireless Sensor Network	Discontinuity, Nonlinearity, and Complexity Volume :12 Page number: 737-756 October 2023	October 2023	10.5890/DNC.2023.12.003
4.	Dr. M. Meganathan	Numerical analysis of fractional order discrete Bloch equations	Journal of Mathematics and Computer Science 32(2024)	October 2023	http://dx.doi.org/10.22436/jmcs.032.03.03

5.	Dr. G. Muthumari	A Novel of Domination in Neutrosophic Over Graphs	Neutrosophic Sets and Systems Vol 58, 2023	October 2023	https://digitalrepository.unm.edu/nss_journal/vol58/iss1/2
6.	Dr V Choudri	Production Inventory Models With Integrated Stock And Price Dependent Demands For Deteriorative Items	<u>Pesquisa Operacional</u> 2023, 43: p 1-25	November 2023	10.1590/0101-7438.2023.043.00265586
7.	Dr R Raja	Study of optical, thermal, mechanical, dielectric and nonlinear optical study on nonlinear optical material Bis-(L-Tyrosinato) Cupric acetate single crystals for optoelectronics application	Journal of Nonlinear Optical Physics & Materials 2023	July 2023	https://doi.org/10.1142/S0218863523400106
8.	Dr R Raja	Synthesis, growth, optical, thermal, mechanical, and dielectric studies on nonlinear optical material: L-Citrulline hydrochloride single crystals for photonic applications	Journal of materials science: Materials in Electronics.	November 2023	http://dx.doi.org/10.1007/s10854-023-11539-8
9.	Dr R Kumutha	Synthesis, Quantum Computational Analysis and Molecular Docking of 3-(2-Hydroxyphenyl)-1-Phenyl Propanone: A Combined Experimental and Theoretical Analysis	Polycyclic Aromatic Compounds	2023, 43(10), pp. 8903–8932	https://doi.org/10.1080/10406638.2022.2157025
10.	Dr R Kumutha	Molecular structure, electronic properties, spectroscopic, quantum computational studies of	Spectroscopy Letters	2023	https://doi.org/10.1080/00387010.2023.2287108

		1-(4-hydroxy-3-methoxyphenyl)ethanone-effective anticancer medicine			
11.	Dr R Kumutha	A Triple Boost Seven-Level Common Ground Transformerless Inverter Topology for Grid-Connected Photovoltaic Applications	Energies	2023, 16(8), 3428	https://doi.org/10.3390/en16083428
12.	Dr Shahidha	Molecular structure, spectral, computational, IEFPCM investigation and topological study on the biological potent; cardiotonic drug 2-chloro-quinolin – 3- amine with structural optimization.	Chemical Physics Impact	6(2023) 100193	https://doi.org/10.1016/j.chphi.2023.100193
13.	Dr C Senthamil Selvi	In Silico Studies on the Molecular Geometry, FMO, Mulliken Charges, MESP, ADME and Molecular Docking Prediction of Pyrogallol Carboxaldehydes as Potential Anti-tumour Agents	Physical Chemi	Vol. 12, No. 2, P.No.305-320, June 2024	DOI: 10.22036/PCR.2023.402835.2359
14.	Dr C Senthamil Selvi	Antimicrobial activity of Cobalt doped Cerium Oxide (Co-CeO ₂) nanoparticles against selected food pathogens	International Research Journal of Multidisciplinary Technovation	Vol. 5(4) 27-36 27, 2023	https://doi.org/10.54392/irjmt2344
15.	Mr R Murali	Basic Understanding of Developing Writing Skills in	Journal of Advanced Zoology	Volume 44 Special Issue-2 Year 2023 Page 4738:4743	

		Teaching and Learning in ESL Classroom			
16.	Dr M Muralidharan	Defected Mediated magnetism in Pr/TiO ₂ Reduced Graphene oxide nanocomposites	Surfaces and Interfaces	Vol.44 (2024)	https://newsletter.x-mol.com/paperRedirect/1720639414227193856
17.	Dr R Ganesan	Fabrication of polythiophene/graphitic carbon nitride/V ₂ O ₅ nanocomposite for high-performance supercapacitor electrode	Materials Science & Engineering B	300 (2024) 117101	https://doi.org/10.1016/j.mseb.2023.117101
18.	Dr R Ganesan	Study of optical, thermal, mechanical, dielectric and nonlinear optical study on nonlinear optical material Bis-(L-Tyrosinato) Cupric acetate single crystals for optoelectronics application	Journal of Nonlinear Optical Physics & Materials 2023	July 2023	https://doi.org/10.1142/S0218863523400106