

S.A. ENGINEERING COLLEGE, CHENNAI – 77
 (An Autonomous Institution, Affiliated to Anna University)
DEPARTMENT OF HUMANITIES AND SCIENCE (English)
DETAILS OF PUBLICATIONS OF FACULTY

Academic Year: 2024 - 25
Sem: ODD

Date: 04.01.24

S.NO.	NAME OF THE FACULTY	PAPERS PUBLISHED				ISSN – Q Ranking
		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 S Sangeetha Priya	Empirical Evaluation of a Cybersecurity Powered Human Body Data Communication over Wireless Body Area Network	1st International Conference on Pioneering Developments in Computer Science and Digital Technologies, IC2SDT 2024 - Proceedings, 2024, pp. 434–439	01-08-2024 Author Position – 3 of 6	10.1109/IC2SDT62152.2024.10696304 Listed in Scopus & UGC Care	Electronic ISBN:979-8-3503-6501-6 Print on Demand (PoD) ISBN:979-8-3503-6502-3
2.	Dr S Sangeetha Priya	Facile green synthesis of Sm2O3@g-C3N4 for enhanced photocatalytic and catalytic degradation of organic pollutant	J Mater Sci: Mater Electron Published: 02 October 2024 Volume 35, article number 1842, (2024) IMF – 2.8	02-10-2024 Author Position – 2 of 4	https://doi.org/10.1007/s10854-024-13638-6 Listed in Scopus & UGC Care	09574522, 1573482X – Q2
3.	Dr S Sangeetha Priya	Design and Fabrication Development of Slotted T-Shaped Patch Antenna with Symmetrical CPW Feed for IOT and ITU Applications	Plasmonics IMF – 3.3	04-11-2024 Author Position – 3 of 10	https://doi.org/10.1007/s11468-024-02553-5 Listed in Scopus & UGC Care	ISSN 15571955 Q3

4.	Ms G Srinidhya	Effects of Technology and social media on English Language Use and Acquisition: A Study on Language Variation and Change	Vol. 20, S7 (2024): The Internet of Medical Things (IoMT): Revolutionizing Health Care and Transforming Lives Through Technology and Engineering IMF – 0.12	01.06.2024 Author Position – 5 of 5	https://doi.org/10.62441/nano-ntp.v20iS7.44 Listed in Scopus & UGC Care	ISSN – 1600 – 6795 – Q4
5.	Dr P Amudha	Flow, Stagnation, and Renewal: Understanding the Symbolic Dimensions of Water in Anuradha Roy's 'An Atlas of Impossible Longing'	Forum for Linguistic Studies (FLS) IMF – 0.20	12.11.2024 Author Position – 4 of 4	https://doi.org/10.30564/fls.v6i5.7158 Listed in Scopus & UGC Care	ISSN: 2705-0602 – Q3
6..	Dr T Senthil Kumar	Deep learning-based image forgery detection system	International Journal of Electronic Security and Digital Forensics IMF – 0.4	1.03.2024 Author Position – 3 of 4	https://doi.org/10.1504/IJESDF.2024.137036 Listed in Scopus & UGC Care	ISSN: 1751-911X – Q3
7	Dr S Sangeetha Priya	Hierarchical design of core–shell structured NiCoAl-LDH composites on rGO/Ni foam with enhanced electrochemical properties for asymmetric supercapacitor	J Mater Sci: Mater Electron (2025) 36:214 IMF – 2.8	5.01.2025 Author Position – 3 of 4	https://doi.org/10.1007/s10854-025-14218-y Listed in Scopus & UGC Care	09574522, 1573482X Q2

S.A.ENGINEERING COLLEGE, CHENNAI – 77
 (An Autonomous Institution, Affiliated to Anna University)
DEPARTMENT OF HUMANITIES AND SCIENCE(MATHS)
DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25
Sem : ODD

Date: 21/12/2024

S.N O	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)	ISSN & Q Ranking
1.	Dr. V. Madhusudanan	Hopf- Bifurcation of a two delayed social networking game addiction model with graded infection rate	Chaos, Solitons & Fractals Volume 182, Article No: 114798 IF : 5.4	May 2024 SCIE Author Position: 3(5)	https://doi.org/ 10.1016/j.chaos .2024.114798 ANNEXURE I Indexed	ISSN : 0960-0779, Q1
2.	Dr. V. Madhusudanan	Automated Huss-Patching: Protection Against Malware SpreadThrough Reduced Scale-Free Networks and External Storage Devices	IEEE Transactions on Network Science and Engineering , Volume 11, Page No : 4758 - 4773 IF : 6.7	May 2024 SCIE Author Position: 3(6)	https://doi.org/ 10.1109/TNSE. 2024.3401081 ANNEXURE I Indexed	ISSN : 2327-4697, Q1
3.	Dr. V. Madhusudanan	A study on the qualitative properties for effects of two delays on dynamical behaviors of HIV-AIDS-TB model	J. Appl. Math. Comput. (2024) IF : 2.3	November 2024 SCIE Author Position: 2(3)	https://doi.org/ 10.1007/s1219 0-024-02282-2 ANNEXURE I Indexed	ISSN : 1598-5865, Q1

4.	Dr. V. Choudri	Sustainable production for imperfect production system with advertisement and Bertrand's price-dependent demand	Central European Journal of Operations Research, IF : 1.8	July 2024 SCIE Author Position: 4(4)	https://doi.org/10.1007/s10100-024-00927-y ANNEXURE I Indexed	ISSN : 1435-246X, Q3
5.	Mrs. K. Glory Prasanth	ELVCP:A Comprehensive Evaluation of Leukemia Prediction Using Enhanced Learning Based Vector Classification Principle	2024 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) 979-8-3503-8944-9/24/\$31.00 ©2024	August 2024 Scopus Conference Author Position: 4(5)	https://doi.org/10.1109/ACCAI61061.2024.10601987 Indexed	eISBN : 979-8-3503-8944-9
6.	Mrs. K. Glory Prasanth	Efficient liver disease diagnosis using infrared image processing for enhanced detection and monitoring	Journal of Environmental Protection and Ecology 25, No 4, 1266–1278 (2024) IF : 0.59	August 2024 Scopus Author Position: 4(9)	https://scibulcom.net/en/article/MnzsvpdCfN6Gkt9S57zx UGC - CARE List Group II Indexed	ISSN : 1311-5065, Q3
7.	Mrs. K. Glory Prasanth	Performance signature for angular misalignment measurement of fiber to fiber connectors with minimum insertion loss and low distortion in	Journal of optical communications, IF : 1.241	October 2024 Scopus Author Position 3(7)	https://doi.org/10.1515/joc-2024-0192 ANNEXURE I Indexed	ISSN: 2191-6322, Q3

		optical fiber transceiver systems				
8.	Mr. R. Anbunathan	Land Cover Classification in High-Resolution Satellite Images Using Vision Transformer and ConvNeXt Approach	IEEE Conference, 979-8-3503-7311-0	October 2024 Scopus Conference Author Position 5(5)	https://doi.org/10.1109/ICDSNS62112.2024.10690976 Indexed	eISBN : 979-8-3503-7311-0
9.	Mr. R. Anbunathan	INNS: A Novel Identification of Machine Learning Based Dental Disease Identification Scheme Using Improved Neural Network Strategy	IEEE Conference, 979-8-3503-9532-7/24	October 2024 Scopus Conference Author Position 3(6)	https://doi.org/10.1109/WCONF61366.2024.10692197 Indexed	eISBN : 979-8-3503-9532-7
10.	Mr. R. Anbunathan	Interactive Image Processing: Design Of An AI Assisted Human Computer Interaction Logic Using Gesture Recognition Model Based On Logical Open CV Scheme	IEEE Conference, 979-8-3503-8386-7/24	October 2024, Scopus Conference Author Position 3(6)	https://doi.org/10.1109/ICAIT61638.2024.10690802 Indexed	eISBN : 979-8-3503-8386-7
11.	Mr. R. Anbunathan	A novel method of fully homomorphic encryption scheme	Int. J. Computing Science and Mathematics, Vol. 20, No. 3, IF : 0.6	November 2024, ESCI Author Position 3(4)	https://doi.org/10.1504/IJCSM.2024.142728 UGC - CARE List Group II Indexed	ISSN : 1752-5063, Q4

12.	Mrs. G. Swathy	The magnetohydrodynamic williamson fluid flow on an extending heet with thermophoresis and chemical reaction	Chemical Industry & Chemical Engineering Quarterly 30 (4) 325 – 333 (2024) IF : 1.0	July 2024 SCIE Author Position: 3(3)	https://doi.org/10.2298/CICEQ230928005N ANNEXURE I Indexed	ISSN : 1451-9372, Q4
13.	Mrs. M. Lakshmi	A Constant temperature control system for indoor environments in buildings using internet of things	Int. J/ Internet Protocol Technology, Vol 16, No. 4, IF : 0.2	July 2024 ESCI Author Position 3(4)	https://doi.org/10.1504/IJPT.2023.139352 UGC - CARE List Group II Indexed	ISSN : 1743-8209, Q4
14.	Mrs. R. Ramya	Cloud- Based Smart Sensing System for a Real - Time Health Management of Dementia Patients	IEEE Conference	January 2024 Scopus Conference Author Position 2(5)	https://doi.org/10.1109/SmartTechCon57526.2023.10391592 Indexed	eISBN : 979-8-3503-0541-8
15.	Mrs. R. Usha	Smart Retail Store Surveillance and Security with Cloud-Powered Video Analytics and Transfer Learning Algorithms	IEEE Conference	October 2024 Scopus Conference Author Position: 3(6)	https://doi.org/10.1109/ICoICI62503.2024.10696050 Indexed	eISBN : 979-8-3315-4066-1

16.	Mrs. D. Nithya	Delayed dynamics analysis of SEI2RS malware propagation models in cyber-Physical systems	Computer Networks 248 (2024) 110481 IF : 4.4	May 2024 SCIE Author Position: 1(7)	https://doi.org/10.1016/j.comnet.2024.110481 ANNEXURE I Indexed	ISSN : 1389-1286, Q1
17.	Mr. S. Prabhakar	Bioconvective reversible (an esterification process) Casson nanofluid flow over a radiative spinning disc with microorganism	International journal of modern physics C, Volume No :36, Issue No:01, 2450171 IF : 1.2	July 2024 SCIE Author Position: 1(4)	https://www.worldscientific.com/doi/10.1142/S0129183124501717 ANNEXURE I Indexed	ISSN : 0129-1831, Q2
18.	Mrs. K. Kavitha	Experimental spectra, quantum chemical methods molecular docking and research on fexofenadine: Experimental and theoretical approach	Spectroscopy Letters An International Journal for Rapid Communication Volume : 58, Issue : 2, Page No : 214-229 IF : 1.5	October 2024 Scopus Author Position: 7(9)	https://doi.org/10.1080/00387010.2024.2424457 ANNEXURE I Indexed	ISSN : 0038-7010, Q3
19.	Dr. M. Suba	Bounded Closed Interval - Valued Decagonal Fuzzy Number and its Application	Communications on Applied Nonlinear Analysis, Vol. No : 32, Issue No : 3, P No: 436-450 IF : 0.18	October 2024 Scopus Author Position: 6(6)	https://internationalpubls.com/index.php/cana/article/view/2000 UGC - CARE List Group II Indexed	ISSN : 1074133X, Q4

20.	Dr. M. Suba	Existence and Approximate controllability of Random Impulsive Neutral Functional Differential Equation with Finite Delay	Communications on Applied Nonlinear Analysis, Vol. No: 32, IssueNo : 1. P No : 35-55 IF : 0.18	September 2024 Scopus Author Position: 6(6)	https://internationalpubls.com/index.php/cana/article/view/1619 UGC - CARE List Group II Indexed	ISSN : 1074133X, Q4
21.	Dr. M. Suba	A fractal-fractional mathematical model for COVID-19 and tuberculosis using Atangana–Baleanu derivative	Mathematical and computer modelling of Dynamical systems. P No : 857-881 IF : 1.8	November 2024 SCI Author Position: 3(4)	https://doi.org/10.1080/13873954.2024.2426608 ANNEXURE I Indexed	ISSN : 1387-3954, Q1
22.	Dr. V. Choudri	Optimal pricing and production lot size policy for sustainable production inventory model for defective items with advertisement and Bertrand's price-dependent demand	International Journal of Management Science and Engineering Management, Volume - 19, Issue :4,Page No: 321-332 IF : 2.6	March 2024, ESCI Author Position: 4(4)	https://doi.org/10.1080/17509653.2024.2336955 Published	ISSN : 2096-2320, Q1
23	Dr. K A Niranjan Kumar	Some Results about the Exponential of Stochastic Ordering Models	Journal of Computational Analysis and Applications,	May 2024 Author Position: 3(6)	https://doi.org/10.1016/j.econmod.2013.04.002 Published	ISSN : 1521-1398, Q4

			Volume : 33, No : 5, Page No : 224-232 IF : 0.27			
24.	Mrs. M. Lakshmi	Quick Response Decomposition Watermarking Algorithm based on Discrete Wavelet Transform Techniques	Proceedings of the International Conference on Signal Processing and Computer Vision (SIPCOV-2023)	October 2024 Conference Author Position: 3(4)	https://doi.org/10.2991/978-94-6463-529-4_37 Published	ISSN : 2352-5401
25.	Mrs. R. Usha	Design and Simulation of Multiband Terahertz Metamaterial Absorber	Proceedings of the International Conference on Signal Processing and Computer Vision (SIPCOV-2023), Page No : 401 - 411	October 2024 Conference Author Position: 3(4)	https://doi.org/10.2991/978-94-6463-529-4_36 Published	ISSN : 2352-5401
26.	Mr. S. Prabhakar	Effect of heat generation on MHD Maxwell fluid flow on a stretching cylinder embedded in a porous medium along with impact of radiation	Journal of King Saud University - Science, Volume : 36, Issue : 11, IF : 3.6	December 2024 SCIE Author Position: 2(3)	https://doi.org/10.1016/j.jksus.2024.103530 ANNEXURE I Published	ISSN : 1018-3647, Q1

27.	Mrs. S. Shoba	Results on fixed points and common fixed points on bipolar b-metric space with applications	Journal of Mathematics and Computer Science, Volume 37, Issue 3, Page No: 274 - 286, IF : 1.6	October 2024 ESCI Author Position: 2(5)	https://dx.doi.org/10.22436/jmcs.037.03.02 Published	ISSN : 2008-949X, Q1
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S.A.ENGINEERING COLLEGE, CHENNAI – 77

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DEPARTMENT OF HUMANITIES AND SCIENCE (Physics)

DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25

Sem : ODD

Date:21/12/2024

S.N O	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)	ISSN NUMBER and Q ranking
1.	Dr. A. Chandravadhana	Graphitic carbon nitride sheets sandwiched metal oxides: A novel platform for S-Scheme heterojunction generation for efficient photodegradation of volatile organics	Colloids and Surfaces A: Physicochemical and Engineering Aspects Volume 698 (2024) 134515 I.F: 4.9	15 June 2024 SCIE Author Position: 2(9)	https://doi.org/10.1016/j.colsurfa.2024.134515 Annexure - 1 Indexed	0927-7757 Q1
2.	Dr.R. Raja	The investigation of optical, thermal, mechanical and dielectric studies on non-linear optical single crystal: <i>N</i> -phthaloylphenylalanine (NPLP)	Optical and Quantum Electronics (2024) Volume 56:916 I.F: 3.3	15 April 2024 SCIE Author Position: 1(4)	https://doi.org/10.1007/s11082-024-06350-6 Annexure - 1 Indexed	0306-8919 Q2

3.	Dr.R. Raja	Investigations on synthesis, growth and characterisations of a NLO material: L-Tryptophanium phosphite (LTP)	Journal of Ovonic Research Vol. 20, No. 3, p. 325-331 I.F: 1.165	May - June 2024 SCIE Author Position: 3(6)	https://doi.org/10.15251/JOR.2024.203.325 Annexure - 1 Indexed	1842-2403 Q1
4.	Dr.R. Ganesan	Innovative nanocomposite coating for aluminum alloy: superior corrosion resistance, flame retardancy, and mechanical strength for aerospace applications	Journal of Materials Science Volume 59(27): p 1-32 I.F: 3.5	26 June 2024 SCIE Author Position: 3(3)	https://doi.org/10.1007/s10853-024-09919-4 Annexure - 1 Indexed	0022-2461 Q1
5.	Dr.R. Raja	Growth and study of physiochemical properties of the grown NLO single crystal L-valine methyl ester hydrochloride for optoelectronic applications	J Mater Sci: Mater Electron (2024) Volume 35:1260 I.F-2.8	27 June 2024 SCIE Author Position: 3(4)	https://doi.org/10.1007/s10854-024-13025-1 Annexure - 1 Indexed	0957-4522 Q2
6.	Dr.R. Ganesan	A high-performance boron nitride nanocomposite coating with enhanced anticorrosion and flame retardant properties for aerospace applications	FlatChem Volume 48 (2024), 100771 I.F: 5.9	Accepted 31 October 2024 Author Position: 3(3)	https://doi.org/10.1016/j.surfin.2024.105298 Annexure - 1 Indexed	2452-2627 Q1
7	Dr. A. Chandravadhana	Facile modification of TiO2 as S-Scheme multifunctional materials for environmental protection and energy-storage applications	Surfaces and Interfaces Volume 55 (2024), 105298 I.F: 5.7	Accepted 17 October 2024 Author Position: 1(10)	https://doi.org/10.1016/j.surfin.2024.105298 Annexure - 1 Indexed	2468-0230 Q2
8	Dr R Kumutha	Estimated time dispersion and delay through free space	<u>Journal of Optics</u>	Accepted 19 August 2024	https://doi.org/10.1007/s12596-024-02190-5	2040-8986 Q2

		optics transceiver communications performance signature in the presence of adverse atmospheric conditions	Volume 13, Issue 1, pages 1-10. I.F: 1.3	Author Position: 1(9)	Annexure - 1 Indexed	
9	Dr R Kumutha	Improved Moth Flame Optimization with Deep Convolutional Neural Network for Colorectal Cancer Classification using Biomedical Images	Second International Conference on Advanced Information Technology	IEEE Conference Author Position: 2(6)	979-8-3503-8386-7/24 Indexed	-
10	Dr.C.Reeda Lenus	Life Time Prediction Of An Electromagnet Relay Using Clustering Based Principal Component Analysis With Hybrid Deep Learning Model	Journal of Applied Engineering and Technological Science Vol 6(1) 2024: 715-729 I.F: 1.13	Accepted 02 November 2024 Author Position: 2(4)	https://doi.org/10.37385/jaets.v6i1.5891 Annexure - 1 Indexed	2715-6087 Q4

S.A.ENGINEERING COLLEGE, CHENNAI – 77
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DEPARTMENT OF HUMANITIES AND SCIENCE (Chemistry)

DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25
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Date:31.12.24

S.NO.	NAME OF THE FACULTY	PAPERS PUBLISHED				ISSN & Q RANKING
		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.R. Hariharasuthan	Effect of Shocked Impact of 50 Scaling on the Structural, Morphological, Optical, and Electrical Properties of MMTC Crystals for Correlated Sensor, Photonic, and Piezoelectric Functionalities	Journal of Electronic Materials Volume 53, pages 5411–5420, 2024 I.F: 2.2	04 July 2024 SCIE Author Position: 3(7)	https://doi.org/10.1007/s11664-024-11273-9 Annexure I Indexed	0361-5235 Q2
2	Dr.R. Hariharasuthan	Synthesis, Studies of Inorganic Class of Mohrite (MOH) Crystals for Electrical, Electronic, Photonic, Phase Matching and Sensor Utilities by Theory and Practice	ECS Journal of Solid State Science and Technology Volume 13, no. 07 p.7009 I.F - 1.8	29 July 2024 SCIE Author Position: 2(7)	https://doi.org/10.1149/2162-8777/ad6505 Annexure I Indexed	2162-8777 Q3

3	Dr.R. Hariharasuthan	Synthesis, Studies of Shocked Pulse of 50 Scale on 100 Gy Irradiated Zinc Acetate Crystals for Photonic, NLO, Phase-Matching and Electronic Utilities	ECS Journal of Solid State Science and Technology Volume 13(8), 4005 I.F - 1.8	27 August 2024 SCIE Author Position: 3(7)	https://doi.org/10.1149/2162-8777/ad6f42 Annexure I Indexed	2162-8777 Q3
4	Dr.R. Hariharasuthan	Growth, Characterizations of Oxalic Acid Di-Hydrate Crystals of Pure, Milled, Shocked Impact of 50 Scaling for Electronic, Photonic, Display and Sensor Usefulness by Theory and Practice	ECS Journal of Solid State Science and Technology Volume 13 (8), 7007 I.F - 1.8	30 August 2024 SCIE Author Position: 2(4)	https://doi.org/10.1149/2162-8777/ad71f0 Annexure I Indexed	2162-8777 Q3
5	Dr.R. Hariharasuthan	Synthesis, Studies of HDTDHP- μ Crystals from <i>Arundina graminifolia</i> Specimen for Electronic, Photonic, Optical and Electrical Use Correlated with Macro-Crystals for Sensor and Display Uses	ECS Journal of Solid State Science and Technology Volume 13(9), 097005 I.F - 1.8	26 September 2024 SCIE Author Position: 2(4)	https://doi.org/10.1149/2162-8777/ad7beb Annexure I Indexed	2162-8777 Q3
6	Ms.V.O. Sangeetha	Analyze and assess the spectral, DFT, and medicinal characteristics through targeted pharmacological investigation of 2-(3-(5-(4-chlorophenyl) furan-2-yl)acryloyl)-3,4-dihydro-2H-naphthalen-1-one (CHFADN)	Journal of Molecular Structure Volume 1321 (2025) 139659 I.F - 4.0	30 August 2024. SCIE Author Position: 4(7)	https://doi.org/10.1016/j.molstruc.2024.139659 Annexure I Indexed	0022-2860 Q2

7	Ms.V.O. Sangeetha	A Novel Approach to Diabetic Foot Ulcer Prediction: Pedographic Classification Using ELM-PSO	2024 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC) IEEE Xplore pp. 1-6	23 July 2024 Scopus Conference Author Position: 4(6)	https://doi.org/10.1109/ICECC61767.2024.10593926 Indexed	e-ISBN: 979-8-3503-7 180-2
8	Ms.V.O. Sangeetha	Acute Medicine Reiterate Provider System using IOT and VG	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) IEEE Xplore pp. 1008-1012	09 August 2024 Scopus Conference Author Position: 6(6)	https://doi.org/10.1109/ICACITE60783.2024.10617004 Indexed	e-ISBN: 979-8-3503-6 016-5

9	Ms.S.Jayachitra	Fault Detection in Solar Power System with Internet of Things using Multi resolution Sinusoidal Neural Network - Snow Geese Optimization Approach	2024 4th International Conference on Sustainable Expert Systems (ICSES) IEEE Xplore pp. 1013-1019	03 December 2024 Scopus Conference Author Position: 4(6)	https://doi.org/10.1109/ICSES63445.2024.10763318 . Indexed	e-ISBN: 979-8-3315-4036-4
10	Dr.G.S.Gayathri	AI-Enhanced Drug Screening: Accelerating Drug Development	2024 5th International Conference on Recent Trends in Computer Science and Technology (ICRTCST) IEEE Xplore pp. 61-65	04 July 2024 Scopus Conference Author Position: 2(6)	https://doi.org/10.1109/ICRTCST61793.2024.10578548 Indexed	e-ISBN: 979-8-3503-5137-8
11	Dr.G.S.Gayathri	Synthesis of SnO ₂ -ZnO heterojunction composites for effective degradation of methylene blue and chromium (VI) under solar light irradiation	Ionics pp.1-14. I.F - 2.4	13 August 2024 SCIE Author Position: 2(8)	https://doi.org/10.1007/s11581-024-05766-0 Annexure I Indexed	0947-7047 Q2

12	Dr.G.S.Gayathri	Towards A Sustainable Future By Integrating Circular Economy Principles In Plastic Waste Management	Journal of Environmental Protection and Ecology Volume 25(6), pp. 1820–1832 I.F - 0.5	26 October 2024 Scopus Author Position: 4(7)	https://scibulcom.net/journal/1311-5065/issue/2024-25-25 UGC-CARE List Group II Indexed	1311-5065 Q3
13	Dr.G.S.Gayathri	Neodymium-polydopamine-reduced graphene oxide nanocomposite: A high-performance electrochemical sensor for paracetamol detection	Inorganic Chemistry Communications Volume 173,113840 I.F: 4.4	26 December 2024 SCIE Author Position: 4(4)	https://doi.org/10.1016/j.inoche.2024.113840 UGC-CARE List Group II Indexed	1387-7003 Q1
14	Dr.R.Kanimozhi	Optical materials enhancing the chemical reactivity characteristics of N-benzyloxycarbonyl-L-phenylalanine: Spectroscopic, electronic properties, natural bond orbital, stability, electron-hole, Topology and molecular docking analyses	Optical Materials Volume 159, 116504 I.F: 3.8	29 November 2024 SCIE Author Position: 2(8)	https://doi.org/10.1016/j.optmat.2024.116504 Annexure I Indexed	0925-3467 Q1

15	Dr.R.Kanimozhi	Development of Novel Catalysts for Sustainable Organic Synthesis	Nanotechnology Perceptions Volume 20,No.6, 1508-1525 I.F: 0.179	29 November 2024 Scopus Author Position: 4(6)	https://nano-ntp.com/index.php/nano/article/view/2954/2205 UGC-CARE List Group II	1660-6795 Q4
16	Dr.R. Epshiba	Electrochemical, magnetic and heterostructure of Y-SnO ₂ -CdO nanocomposite for multi-functional applications	Journal of Alloys and Compounds Volume 1002 I.F: 5.8	15 October 2024 SCIE Author Position: 3(7)	https://doi.org/10.1016/j.jallcom.2024.175180 Annexure I Indexed	0925-8388 Q1

S.A. ENGINEERING COLLEGE, CHENNAI – 77
 (Autonomous- Institute Level Research Center, Affiliated to Anna University)
DEPARTMENT OF HUMANITIES AND SCIENCE (English)
DETAILS OF PUBLICATIONS OF FACULTY

Academic Year: 2024 - 25
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Date:02.06.25

S.NO.	NAME OF THE FACULTY	PAPERS PUBLISHED				ISSN – Q Ranking
		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 S Sangeetha Priya	Empirical Evaluation of a Cybersecurity Powered Human Body Data Communication over Wireless Body Area Network	1st International Conference on Pioneering Developments in Computer Science and Digital Technologies, IC2SDT 2024 - Proceedings, 2024, pp. 434–439	01-08-2024 Scopus Conference Author Position – 3 of 6	10.1109/IC2SDT62152.2024.10696304 Indexed Listed in Scopus & UGC Care	Electronic ISBN:979-8-3503-6501-6 Print on Demand (PoD) ISBN:979-8-3503-6502-3
2.	Dr S Sangeetha Priya	Facile green synthesis of Sm2O3@g-C3N4 for enhanced photocatalytic and catalytic degradation of organic pollutant	Journal Of Materials Science- Materials In Electronics Published: 02 October 2024 Volume 35, article number 1842, (2024) IMF – 2.8	02-10-2024 SCIE Author Position – 2 of 4	https://doi.org/10.1007/s10854-024-13638-6 Indexed Listed in SCI, Scopus & UGC Care	09574522, 1573482X – Q2
3.	Dr S Sangeetha Priya	Design and Fabrication Development of Slotted T-Shaped Patch Antenna with Symmetrical CPW Feed for IOT and ITU Applications	Plasmonics IMF – 3.3	04-11-2024 SCI & Scopus Author Position – 3 of 10	https://doi.org/10.1007/s11468-024-02553-5 Indexed Listed in Scopus & UGC Care	ISSN 15571955 Q3

4.	Ms G Srinidhya	Effects of Technology and social media on English Language Use and Acquisition: A Study on Language Variation and Change	Vol. 20, S7 (2024): The Internet of Medical Things (IoMT): Revolutionizing Health Care and Transforming Lives Through Technology and Engineering IMF – 0.12	01.06.2024 Scopus Author Position – 5 of 5	https://doi.org/10.62441/na-no-ntp.v20iS7.44 Indexed Listed in Scopus & UGC Care	ISSN – 1600 – 6795 – Q4
5.	Dr P Amudha	Flow, Stagnation, and Renewal: Understanding the Symbolic Dimensions of Water in Anuradha Roy’s ‘An Atlas of Impossible Longing’	Forum for Linguistic Studies (FLS) IMF – 0.20	12.11.2024 Scopus Author Position – 4 of 4	https://doi.org/10.30564/fls.v6i5.7158 Indexed Listed in Scopus & UGC Care	ISSN: 2705- 0602 – Q3
6..	Dr T Senthil Kumar	Deep learning-based image forgery detection system	International Journal of Electronic Security and Digital Forensics IMF – 0.4	1.03.2024 Scopus Author Position – 3 of 4	https://doi.org/10.1504/IJES-DF.2024.137036 Indexed Listed in Scopus & UGC Care	ISSN: 1751- 911X – Q3
7	Dr S Sangeetha Priya	Hierarchical design of core–shell structured NiCoAl-LDH composites on rGO/Ni foam with enhanced electrochemical properties for asymmetric supercapacitor	Journal of Materials Science: Materials in Electronics (2025) 36:214 IMF – 2.8	5.01.2025 SCIE Author Position – 3 of 4	https://doi.org/10.1007/s10854-025-14218-y Published Listed in Scopus & UGC Care	09574522, 1573482X Q2

S.A.ENGINEERING COLLEGE, CHENNAI – 77
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DEPARTMENT OF HUMANITIES AND SCIENCE(MATHS)
DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25
Sem : EVEN

Date: 02.06.25

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)	ISSN & Q Ranking
1.	Dr. V. Madhusudanan	A study on the qualitative properties for effects of two delays on dynamical behaviors of HIV-AIDS-TB model	Journal of Applied Mathematics and Computing 71(2), pp. 2051-2090 IF : 2.4	April 2025 SCIE Author Position: 2(6)	https://doi.org/10.1007/s12190-024-02282-2 Indexed	ISSN :1598-5865 Q2
2.	Dr. V. Madhusudanan	Analytical Optimal Control of Delayed Worm Propagation Model in Heterogeneous IoT Systems	IEEE Access 13, pp. 63349-63366 IF : 3.4	April 2025 SCI Author Position: 2(6)	https://doi.org/10.1109/ACCESS.2025.3559146 Indexed	ISSN : 2169-3536 Q2
3.	Dr. V. Madhusudanan	Exploring the Dynamics of Social Media Addiction and Depression Models With Discrete and Distributed Delays	IEEE Access 13, pp. 55682-55700 IF : 3.4	March 2025 SCI Author Position: 1(5)	https://doi.org/10.1109/ACCESS.2025.3555306 Indexed	ISSN : 2169-3536 Q2

4.	Dr. M. Meganathan	Evaluation of Casson nanofluid bioconvective flow influenced by a radiative spinning disc, including reversible chemical reactions with porous medium	Multiscale and Multidisciplinary Modeling, Experiments and Design 8(5), Volume 8, Article no : 239 IF : 2.1	March 2025 SCOPUS Author Position: 3(6)	https://doi.org/10.1007/s41939-025-00807-1 Indexed	ISSN : 2520-8160 Q3
5.	Dr. M. Meganathan	Chemical reactions with the Casson nanofluid flow by the bioconvective behavior of microorganisms over a spinning disc	Heliyon 11(1) Volume 11, Issue 1 IF : 3.4	January 2025 SCI Author Position: 3(5)	https://doi.org/10.1016/j.heliyon.2024.e41238 Indexed	ISSN : 2405-8440, Q1
6.	Dr. M. Suba	Fractal-fractional mathematical modeling of monkeypox disease and analysis of its Ulam–Hyers stability	Boundary Value Problems, Volume 2025, article number 20, IF : 1	February 2025 SCIE Author Position: 4(5)	https://doi.org/10.1186/s13661-025-02013-x Indexed	ISSN : 1687-2770 Q3
7.	Ms.K. Glory Prasanth	ENCL: An Extensive Learning Based Methodology to Predict Liver Disease by Using Enhanced Neural Classification Logic	Proceedings of the 2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2024	December 2024 Scopus Conference Author Position: 3(6)	https://doi.org/10.1109/ICSES63760.2024.10910666 Indexed	ISBN : 979-8-3315-4363-1

8.	Mr.R. Anbunathan	Implementation of Automatic Engine Control Mechanism using Bluetooth for IoT Applications	2024 3rd International Conference for Advancement in Technology, ICONAT 2024	December 2024 Scopus Conference Author Position: 3(6)	https://doi.org/10.1109/ICONAT61936.2024.10774741 Indexed	ISBN : 979-8-3503-5418-8
9.	Dr. M. Suba	Application of Pourreza transform to solve fractional integro differential equations	J. Appl. Math. & Informatics Vol. 43(2025), No. 3, pp. 659 - 673	May 2024 Scopus Author Position: 4(4)	https://doi.org/10.14317/jami.2025.659 Published	ISSN : 2234-8417
10.	Dr. M. Suba	A Novel Method for Applying Real-World Transportation Problems with Neutrosophic Octagonal Fuzzy Numbers	International Conference on Mathematical Modelling, Applied Analysis and Computation	May 2025 Author Position: 1(7) Conference	https://doi.org/10.1007/978-3-031-90917-7_12 Published	ISBN : 978-3-031-90916-0
11.	Dr. M. Suba	Analysis of Fractional Integro Differential Equations Utilizing Mahgoub Transform	International Conference on Mathematical Modelling, Applied Analysis and Computation	May 2025 Author Position: 3(6) Conference	https://doi.org/10.1007/978-3-031-90917-7_9 Published	ISBN 978-3-031-90916-0

12.	Dr. M. Suba	Advancing Zika Virus Control with Fractional Order Optimal Control with Wolbachia-Infected Aedes Aegypti Mosquitoes	International Conference on Mathematical Modelling, Applied Analysis and Computation	May 2025 Author Position: 1(7) Conference	https://doi.org/10.1007/978-3-031-90917-7_11 Published	ISBN 978-3-031-90916-0
13.	Ms.S. Shoba	Integral-type contraction on orthogonal $\square$ -metric spaces with common fixed-point results and applications to fractional integral equations	Fixed Point Theory and Algorithms for Sciences and Engineering, Article No 10 IF : 0.8	May 2025 Scopus Author Position: 3(5)	https://doi.org/10.1186/s13663-025-00792-7 Indexed	ISSN : 2730-5422
14.	Ms.R. Usha	Early Detection of Road Traffic Injuries with IoT Sensor Networks and K-Nearest Neighbors Algorithm	2025 International Conference on Visual Analytics and Data Visualization (ICVADV)	April 2025 Author Position: 3(5) Conference	10.1109/ICVAD V63329.2025.10960893 Published	ISBN : 979-8-3315-2140-0

S.A.ENGINEERING COLLEGE, CHENNAI – 77
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DEPARTMENT OF HUMANITIES AND SCIENCE (Physics)

DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25
Sem : EVEN

Date:02.06.25

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)	ISSN NUMBER and Q ranking
1	Dr.C.Reeda Lenus	Artificial Intelligence based Facial Emotion Recognition with Deep Neural GAN Augmentation	8th International conference of Electronics, Communication and Aerospace Technology (ICECA)	IEEE Conference Author Position: 3(6)	DOI: 10.1109/ICECA63461.2024.10800804 Indexed	E ISBN:979-8-3503-6790-4
2	Dr.R. Ganesan	High-performance supercapacitors with novel poly(3,4ethylenedioxythiophene)/reduced graphene oxide/HfS ₂ nanocomposite electrodes	Inorganic Chemistry Communications Volume 174, Part 2, April2025, 114034 I.F: 4.4	10/02/2025 SCI Author Position: 1(2)	DOI: https://doi.org/10.1016/j.inoche.2025.114034 Indexed	1387-7003 Q2

3	Dr M Muralidharan	Ferroelectric and piezoelectric enhancement in lead-free NaNbO ₃ –BiErKZrO ₃ perovskite ceramics: Tetragonal phase stability and optical properties	Journal of Alloys and Compounds Volume 1026, 5 May 2025, 180456 I.F: 6.371	15/04/2025 SCI Author Position: 3(3)	DOI: https://doi.org/10.1016/j.jallcom.2025.180456 Indexed	1873-4669 Q1
4	Dr R Kumutha	Facile synthesis of rGO-Ag and rGO-Au nanocomposites and their applications in biosensors and enhanced photocatalytic properties	Physica B: Physics of Condensed Matter Volume 705, 15 May 2025, 417081 I.F: 2.8	22/02/2025 SCI Author Position: 3(7)	DOI: https://doi.org/10.1016/j.physb.2025.417081 Indexed	0921-4526 Q1
5	Dr M Muralidharan	Doping-induced structural, optical, and electrical modifications in (1–x)NaNbO ₃ –xBiGdKZrO ₃ ceramics for microelectronic applications	Journal of Material Science: Materials in Electronics Volume 36, Pg.No 12. I.F: 2.3	20/04/2025 SCI Author Position: 3(4)	DOI: https://doi.org/10.1007/s10854-025-14830-y Indexed	0957-4522 Q2

6	Dr R. Raja	Optical, thermal, mechanical, and dielectric properties of 5-Methyl L-Glutamate (5MLG) single crystals for NLO applications	Journal of Material Science: Materials in Electronics Volume 36, Pg.No 814. I.F: 2.3	24/04/2025 SCI Author Position: 2(6)	DOI: https://doi.org/10.1007/s10854-025-14856-2 Indexed	0957-4522 Q2
7	Dr.C.Reeda Lenus	ProFoodNet: Enhancing Protein Prediction from Food Images Using Advanced Machine and Deep Learning Techniques	SSRG International Journal of Electronics and Communication Engineering Volume 12 Issue 2, 73-85, February 2025 I.F: 3.0	08/02/2025 SCOPUS Author Position: 3(4)	DOI: https://doi.org/10.14445/23488549/IJECE-V12I2P107 Indexed	2348-8549 Q2

S.A.ENGINEERING COLLEGE, CHENNAI – 77
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DEPARTMENT OF HUMANITIES AND SCIENCES (Chemistry)

DETAILS OF PUBLICATIONS OF FACULTY

Academic Year : 2024 - 25
Sem : EVEN

Date:02.06.25

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)	ISSN & Q Ranking
1.	Dr.R.Hariharasuthan	Characterizations of 2,4-Difluoroanisole-24DFANIS Organic Macro, Micro Scaled Specimen for Structural and Sensor Applications by Computational and Experimental Ways	Advanced Journal of Chemistry, Section A, 2025, Volume 8(10), pp. 1592-1599 I.F -5.0	30 March 2025 Scopus Author Position: 5(8)	https://doi.org/10.48309/ajca.2025.508861.1794 UGC-CARE List Group II Indexed	2645-5676 Q2
2.	Ms.V.O. Sangeetha	Surface modification of 316L SS by nano chitosan-YSZ dupLex coatings for dental applications.	Archives of Metallurgy and Materials Volume 70 (1), pp.21-28 I.F -0.7	25 February 2025 SCIE Author Position: 3(5)	https://doi.org/10.24425/amm.2025.152502 Annexure I Indexed	2300-1909 Q3

3.	Ms.V.O. Sangeetha	Use of microfluidic devices for high throughput screening of catalysts in advanced oxidation process.	Oxidation communications Volume 48 (1), pp 295-303 I.F -0.5	31 March 2025 Scopus Author Position: 3(7)	https://scibulcom.net/en/article/KTivZnMWImFH5uKLBHOp UGC-CARE List Group II Indexed	0209-4541 Q4
4.	Ms.S.Jayachitra	Enhancement of 316L SS Implants by Nanochitosan-YSZ Composite Coatings by the Dual Method for Dental Applications	Trends in Biomaterials and Artificial Organs Volume 38 (3), pp.159-164 I.F -0.9	31 January 2025 Scopus Author Position: 2(5)	https://doi.org/10.5281/zenodo.14826601 UGC-CARE List Group II Indexed	0971-1198 Q4
5	Ms.S.Jayachitra	Advanced electrochemical catalysts system for efficient persulphate activation in wastewater treatment	Oxidation communications Volume 48 (1), pp 45-55 I.F -0.5	31 March 2025 Scopus Author Position: 4(7)	https://scibulcom.net/en/article/UZzMWxsiMAwhr5pMR3Si UGC-CARE List Group II Indexed	0209-4541 Q4
6.	Ms.S.Suja	Functionalised nanocapsules for enhancing catalysis in petrochemical processes: High selectivity and extended reusability.	Oxidation communications Volume 48 (1), pp 33-44 I.F -0.5	31 March 2025 Scopus Author Position: 5(7)	https://scibulcom.net/en/article/10qguduHKR2xupuely2f UGC-CARE List Group II Indexed	0209-4541 Q4
7.	Dr.G.S.Gayathri	A Novel CeO ₂ /rGO Nanocomposite for Photocatalytic Degradation of Orange G and Eosin Yellow Pollutants	Journal of Electronic Materials I.F -2.2	15 May 2025 SCIE Author Position: 1(4)	https://doi.org/10.1007/s11664-025-12003-5 Annexure I Indexed	0361-5235 Q2

8.	Dr.R.Kanimozhi	rGO/Ce-Zn ₂ SnO ₄ Composite: A High-Performance Photoanode for Enhanced Solar Energy Conversion in Dye-Sensitized Solar Cells	Journal of Electronic Materials Volume 54, pp. 2857–2869 I.F -2.2	19 February 2025 SCIE Author Position: 4(4)	https://doi.org/10.1007/s11664-025-11810-0 Annexure I Indexed	0361-5235 Q2
9.	Dr.V.Rajesh Babu	Kinetics and Thermodynamics Studies on the Adsorption of Hexavalent Chromium (Vi) onto Activated Carbon Prepared from Wood Apple Tree (<i>Limonia acidissima</i>) Barks	Ecology, Environment and Conservation Volume 31 (April Suppl. Issue) : 2025; pp. (S471-S476) I.F -0.34	14 March 2025 Sci (Zoological Record) Author Position: 4(5)	http://doi.org/10.53550/EEC.2025.v31i03s.072 UGC-CARE List Group II Published	0971–765X Q4
10.	Dr.V.Rajesh Babu	Synthesis and Characterization of CdO Nanoparticles for Photocatalytic Application	International Journal of Advanced Science and Engineering Volume 11 (3), pp. 4294–4302 I.F -2.75	29 Mar 2025 Scopus Author Position: 3(6)	https://doi.org/10.29294/IJASE.11.3.2025.4294-4302 UGC-CARE List Group II Indexed	2349-5359 Q4
11.	Ms.K.Mayilvani	Sustainable Epoxy Composites Enhanced by Cellulose Nanocrystals for Structural and Thermal Applications	Journal of Polymer and Composites Volume 13 (3), pp. 126–134 I.F - 0.2	10 May 2025 ESCI Author Position: 5(9)	https://doi.org/10.37591/JOPC UGC-CARE List Group II Published	2321-2810 Q4