

PRATHYUSHA ENGINEERING COLLEGE
(An Autonomous Institution)

List of Papers Published in Reputed Journals in the academic year 2023-24

S NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Volume Number	Issue Number	Indexing	Link to the recognition in UGC enlistment of the Journal
1	Feature refinement with DBO: optimizing RFRC method for autonomous vehicle detection	Ms R Kannamma	AIDS	Intelligent Service Robotics	2024	17	3	SCI	10.1007/s11370-024-00520-x
2	UNMANNED AERIAL VEHICLE PATH PLANNING USING WATER STRIDER ALGORITHM	Dr S Madhusudhanan	AIDS	International Journal of Industrial Engineering : Theory Applications and Practice	2024	31	3	SCI	10.23055/ijietap.2024.31.3.9861
3	Current trends and biotechnology infused cleaner production of biomaterials for the construction industry: A critical review	Dr R Balachandar	BIOTECH	International Journal of Low-Carbon Technologies	2024	19		SCI	10.1093/ijlct/ctad119
4	Exploiting the synergistic biological properties of Linum usitatissimum and Cucurbita maxima seeds ethanolic extract in combating anticancer activity against	Dr A Sai Ramesh	BIOTECH	Medicinal Plants - International Journal of Phytomedicines and Related Industries	2024	Jan 1900	2	SCOPUS	10.5958/0975-6892.2024.00029.2
5	Utilization of zinc doped biochar catalyst for biodiesel production from waste cooking oil: process optimization and characterization	Mr K Chalapandian	BIOTECH	Biofuels	2024	15	1	SCI	10.1080/17597269.2023.2215629
6	A pharmacological perspectives of Musa sapientum peels against lung cancer: An in vitro and in silico study	Dr A Praveena	BIOTECH	Journal of Cancer Research and Therapeutics	2023	19	2 S	SCI	10.4103/jcrt.jcrt_583_22

7	Eco-friendly synthesis of zinc oxide nanoparticles (ZnOnps) from Piper betel leaf extract: spectral characterization and its application on plant growth parameters	Dr R Balachandar	BIOTECH	Materials Technology	2024	39	1	SCI	10.1080/10667857.2023.2298547
8	Aloe vera - mediated silver-selenium doped fucoidan nanocomposites synthesis and their multi-faceted biological evaluation of antimicrobial, antioxidant	Ms S Shobana	BIOTECH	Materials Technology	2024	39	1	SCI	10.1080/10667857.2024.2331899
9	Review on advances in toxic pollutants remediation by solid waste composting and vermicomposting	Dr R Balachandar	BIOTECH	Scientific African	2024	23		ESCI	10.1016/j.sciaf.2024.e02100
10	Investigation on the Anticancer Activity of [6]-Gingerol of Zingiber officinale and its Structural Analogs against Skin Cancer	Dr A Praveena	BIOTECH	Current Computer-Aided Drug Design	2024	20	4	SCI	10.2174/1573409919666230418095105
11	Construction of novel g-C3N4 coupled efficient Bi2O3 nanoparticles for improved Z-scheme photocatalytic removal of environmental wastewater contaminant:	Dr R Balachandar	BIOTECH	Journal of Environmental Management	2023	330		SCI	10.1016/j.jenvman.2022.117134
12	Nanotechnology applications in food and bioprocess industries	Mr A J A Ranjit Singh	BIOTECH	Nanomaterials for Bioreactors and Bioprocessing Applications	2023			book	10.1016/B978-0-323-91782-7.00005-9
13	Ecofriendly bio-synthesis and spectral characterization of copper nanoparticles using fruit extract of Pedalium murex L.: in vitro evaluation of antimicrobial,	Ms S Shobana	BIOTECH	Materials Technology	2023	39	1	SCI	10.1080/10667857.2023.2286818
14	Eco-friendly green synthesis of copper nanoparticles from Tinospora cordifolia leaves: optical properties with biological evaluation of anti-microbial, anti-	Ms S Shobana	BIOTECH	Materials Technology	2023	38	1	SCI	10.1080/10667857.2023.2247908
15	Current advancements in the development of bionic organs using regenerative medicine and 3D tissue engineering	Ms S Shobana	BIOTECH	Materials Technology	2023	38	#####	SCI	10.1080/10667857.2023.2242732

16	Green synthesis of biofabricated silver nanoparticles from Syzygium aromaticum seeds: spectral characterization and evaluation of its anti-mycobacterial	Ms S Shobana	BIOTECH	Materials Technology	2023	38	#####	SCI	10.1080/10667857.2023.2269358
17	Review on advances in toxic pollutants remediation by solid waste composting and vermicomposting	Dr R Balachandar	BIOTECH	Environmental Research	2023	216		SCI	10.1016/j.envres.2022.114526
18	Novel Nano Catalyst Ionic Liquid Assisted Pretreatment of Aloe vera Rinds and Delonix regia Pods: A Comparative Study	Ms D Joyce Helen Sathya	BIOTECH	Waste and Biomass Valorization	2024	15	5	SCI	10.1007/s12649-023-02334-x
19	Impact of calcined temperatures on the crystalline parameters, morphological, energy band gap, electrochemical, antimicrobial, antioxidant, and hemolysis	Dr V Kavimani	CHEMISTRY	Journal of the Indian Chemical Society	09-11-2024	101	11	SCI	10.1016/j.jics.2024.101370
20	Mechanical Properties and Degradation Rate of Poly(Sorbitol Adipate-Co-Dioladipate) Copolymers Obtained with a Catalyst-Free Melt Polycondensation	Dr V Kavimani	CHEMISTRY	Polymers	2024	16	4	SCI	10.3390/polym16040499
21	ANTIMICROBIAL, ANTIFUNGAL, LARVICIDAL, AND ANTIOXIDANT ACTIVITY OF FRESHLYPREPARED CYANOPYRIDINE DERIVATIVES	Ms K Uma	CHEMISTRY	Rasayan Journal of Chemistry	2023	16	4	SCOPUS	10.31788/RJC.2023.1648523
22	REMOVAL OF HEXAVALENT CHROMIUM FROM TANNERY WASTE WATER BY ADSORPTION ON THE ACTIVATED CARBON	Ms K Uma	CHEMISTRY	Rasayan Journal of Chemistry	2023	12	12	SCOPUS	https://doi.org/10.48047/e cb/2023.12.12.110
23	Evaluation of High-Dimensional Data Classification for Skin Malignancy Detection Using DL-Based Techniques	Ms B Gunasundari	CSE	Cancer Investigation	2024	42	5	SCI	10.1080/07357907.2024.2345184
24	Convolutional Neural Network with Coordinate Attention Module for the Detection of Skin Cancer	Dr R Anand	CSE	International Journal of Intelligent Engineering and Systems	Jul-05	17	3	SCOPUS	10.22266/ijies2024.0630.27

25	An optimal solid waste management using red fox optimization and hybrid DenseNet-BiLSTM model	Dr P M Beulah Devamalar	CSE	Environmental Monitoring and Assessment	Jul-05	195	10	SCI	10.1007/s10661-023-11544-8
26	MOTIVATING ECO-FRIENDLY ACTIONS WITH WSN FOR ENVIRONMENTAL EDUCATION	Dr R Anand	CSE	Journal of Environmental Protection and Ecology	Jul-05	25	2	SCOPUS	https://scibulcom.net/en/article/utxjaFLi24L6YBxmpLU
27	SUSTAINABLE CLOUD COMPUTING THROUGH GREEN NETWORK FUNCTION VIRTUALISATION (NFV)	Dr R Anand	CSE	Journal of Environmental Protection and Ecology	Jul-05	25	2	SCOPUS	https://scibulcom.net/en/article/1mlVRAd50gvEusknAVL
28	ENHANCING FOREST ECOSYSTEM RESILIENCE TO CLIMATE CHANGE WITH VANET AND INTEGRATED NATURAL RESOURCES MODELLING	Dr R Anand	CSE	Journal of Environmental Protection and Ecology	Jul-05	25	1	SCOPUS	https://scibulcom.net/en/article/j7FHjPAHmXVoa2A4qLYy
29	SMART WASTE MANAGEMENT SYSTEM USING WSN FOR ENHANCED CIRCULAR ECONOMY OF THE SMART CITY	Dr R Anand	CSE	Journal of Environmental Protection and Ecology	Jul-05	25	2	SCOPUS	https://scibulcom.net/en/article/Drt9SWHQ9t5RdWpCe3FO
30	Retraction Note to: Real-time facial expression recognition for affect identification using multi-dimensional SVM (Journal of Ambient Intelligence and	Dr Thamba Meshchah	CSE	Journal of Ambient Intelligence and Humanized Computing	2023	14		SCOPUS	10.1007/s12652-022-04015-4
31	M2AI-CVD: Multi-modal AI approach cardiovascular risk prediction system using fundus images	Dr G Premalatha	ECE	Network: Computation in Neural Systems	2024	35	3	SCI	10.1080/0954898X.2024.2306988
32	Fractional WSD: Fractional war strategy dingo optimization with unified segmentation for detection of skin cancer	Dr S Vimala	ECE	Biomedical Signal Processing and Control	2024	87		SCI	10.1016/j.bspc.2023.105346
33	Total losses and dispersion effects management and upgrading fiber reach in ultra-high optical transmission system based on hybrid amplification system	Dr K Prabhu Chandran	ECE	Journal of Optical Communications	2024			SCOPUS	10.1515/joc-2024-0074

34	An efficient black widow optimization-based faster R-CNN for classification of COVID-19 from CT images	Dr P Malathi	ECE	Multimedia Systems	2024	30	2	SCI	10.1007/s00530-024-01281-4
35	Taylor-student psychology based optimization integrated deep learning in IoT application for plant disease classification	Dr S Vimala	ECE	Wireless Networks	2023	29	2	SCI	10.1007/s11276-022-03150-2
36	Internet of things based smart application for rice leaf disease classification using optimization integrated deep maxout network	Dr S Vimala	ECE	Concurrency and Computation: Practice and Experience	2023	35	6	SCI	10.1002/cpe.7545
37	Analyzing stability and structural aspects of embedded fuzzy type 2 PID controller for robot manipulators	Dr K Venkataramanan	EEE	Journal of Intelligent and Fuzzy Systems	2024	46	1	SCOPUS	10.3233/JIFS-235338
38	A Multi-Aggregator Based Charge Scheduling in Internet of Electric Vehicles Using Fractional African Vulture Sail Fish Optimization	Dr S Shobana	EEE	Cybernetics and Systems	2024	55	5	SCI	10.1080/01969722.2022.2137621
39	Hybrid optimization enabled multi-aggregator-based charge scheduling of electric vehicle in internet of electric vehicles	Dr S Shobana	EEE	Concurrency and Computation: Practice and Experience	2023	35	9	SCI	10.1002/cpe.7654
40	Cutting-Edge Climate Analysis: Combining MLP-GRU and Remote Sensing Technologies	Dr R Thiagarajan	IT	Remote Sensing in Earth Systems Sciences	2024	7	4	SCOPUS	10.1007/s41976-024-00128-w
41	Block-chain based Secure Data Access over Internet of Health Application Things (IHoT)	Dr R Thiagarajan	IT	KSII Transactions on Internet and Information Systems	2023	17	5	SCI	10.3837/tiis.2023.05.010
42	Hybrid Authentication Using Node Trustworthy to Detect Vulnerable Nodes	Dr R Thiagarajan	IT	Computer Systems Science and Engineering	Jul-05	45	1	SCOPUS	10.32604/csse.2023.030444

43	A Novel Secure Multiplicative Homomorphic Encryption for Data Security in Healthcare	Dr.M.D.Boomija	CYBER SECURITY	Journal of Environmental Protection and Ecology	2023	24	No 2, 591–599	SCOPUS	https://scibulcom.net/en/article/P4OJ5iKs5PvHc_bp4q0v
44	Innovative Perspective on Neutrosophic Cubic Z-Algebras	Dr R Vinodhkumar	MATHS	International Journal of Neutrosophic Science	Jul-05	23	3	SCOPUS	10.54216/IJNS.230307
45	A Theoretical Innovation of Magnified Cubic Translation on β -ideals	Dr R Vinodhkumar	MATHS	Journal of Fuzzy Extension and Applications	Jul-05	5	2	SCOPUS	10.22105/jfea.2024.445413.1388
46	Distinct features and validation of δ^* -algebras: an analytical exploration; [Características distintivas y validación de δ^* -álgebras: una exploración analítica]	Dr R Vinodhkumar	MATHS	Military Technical Courier/Vojnotehnicki glasnik	16-Jul	72	3	SCOPUS	10.5937/vojtechg72-50294
47	Optimization of the shot peening process parameters to improve the flexural strength of heated 2024 aluminium alloy	Dr P Jayaraman	MECH	International Journal on Interactive Design and Manufacturing	16-Jul	18	7	ESCI	10.1007/s12008-024-01749-7
48	The use of advanced transoral robotic surgery in the treatment of oropharynx squamous cell carcinoma: A modern alternative for open surgery	Ms S Shobana	BIOTECH	Oral Oncology	15-Jul	145		SCI	10.1016/j.oraloncology.2023.106522
49	Impact of Oxygenated Persea Americana Biodiesel at Varied Compression Ratio on the Emission and Performance Parameters of a CI Engine	Mr P Sarmaji Kumar	MECH	International Journal of Vehicle Structures and Systems	15-Jul	15	7	SCOPUS	10.4273/ijvss.15.7.06
50	Optimization of Process Parameters of Wire Electric Discharge Machining Process for Machining AISI A2 Tool Steel	Dr P Raja	MECH	Journal of Mines, Metals and Fuels	2024	72	2	SCOPUS	10.18311/jmmf/2024/38682
51	Effect of palm sprout fiber and palm kernel de-oiled cake cellulose on mechanical, fatigue, and DMA properties of toughened vinyl ester composites	Dr V Jayaseelan	MECH	Biomass Conversion and Biorefinery	2023			SCI	10.1007/s13399-023-04918-y

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