

PRATHYUSHA ENGINEERING COLLEGE

List of Papers Published in Reputed Journals in the academic year 2022-23

S NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Page Number	Indexing	Link to the recognition in UGC enlistment of the Journal
1	Applications of Intelligent model to analyze the Green Finance for Environmental Development in the context of Artificial Intelligence	Ms G Premalatha	ECE	Computational Intelligence and Neuroscience	2022	1687-5273	SCI/SCIE	https://doi.org/10.1155/2022/2977824
2	Built-In Calibration Standard and Decision Support System for Controlling Structured Data Storage Systems Using Soft Computing Techniques	Dr P Malathi	ECE	Computational Intelligence and Neuroscience	2022	1687-5273	SCI/SCIE	https://doi.org/10.1155/2022/3476004
3	Taylor student psychology based optimization integrated in deep learning in IoT application for plant disease classification	Dr.S.Vimala	ECE	Wireless Networks	2022	1022-0038	SCI/SCIE	https://link.springer.com/article/10.1007/s11276-022-03150-2
4	Rider Border Collie Optimization-based Deep Convolutional Neural Network for road scene segmentation and road intersection classification	J Thirumalai	ECE	Digital signal processing	2022	1051-2004	SCI/SCIE	https://doi.org/10.1016/j.dsp.2022.103626
5	Minimum device usages of field programmable gate array (FPGA) verification of multilevel PWM inverter drive generation	Dr K. Sathiyasekar	ECE	Materials Today	2022	1369-7021	SCI/SCIE	https://www.sciencedirect.com/science/article/abs/pii/S2214785322042018
6	Hybrid fabric wearable antenna design and evaluation for High speed 5G applications	T.Rubesh Kumar	ECE	Wireless Personal Communication	2022	1572-834X	SCI/SCIE	https://doi.org/10.1007/s11277-021-08702-x
7	A Novel security framework for health care data through IOT sensors	Dr P Malathi	ECE	Measurement: Sensors	2022	2665-9174	SCOPUS	10.1109/MMUL.2022.3157770

8	Power management using AI based IOT system	Ms G Premalatha	ECE	Measurement: Sensors	2020	2665-9174	SCOPUS	https://www.sciencedirect.com/science/article/pii/S2665917422001854
9	The effect of bonding process parameters on the microstructure and mechanical properties of AA5083 diffusion-bonded joints	Dr V Jayaseelan	Mechanica 1	International Journal of Lightweight Materials and Manufacture	Dec-22	25888404	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
10	Investigation of AA6061-T6's mechanical and microstructural properties by modification on the tool path in friction stir welding	Dr V Jayaseelan	Mechanica 1	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of	Sep-22	25888404	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
11	Synthesis and characterization of cardanol oil and cassava tuber peel biochar toughened epoxy composite coating for structural application	Dr V Jayaseelan	Mechanica 1	Biomass Conversion and Biorefinery	Jul-22	21906815	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
12	Nature-inspired nano-additives for Biofuel application–A Review	Dr V Jayaseelan	Mechanica 1	Chemical Engineering Journal Advances	Jul-22	2666-8211	Scopus	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
13	Experimental and theoretical investigation of extrusion load for AA6063/SiC extruded composite billet	Dr V Jayaseelan	Mechanica 1	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of	Jul-22	0954-4089	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
14	Mechanical and machining behavior of betel nut fiber/leather/chitin-toughened epoxy hybrid composite	Dr V Jayaseelan	Mechanica 1	Biomass Conversion and Biorefinery	Jun-22	21906815	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
15	Impact of the novel square wave tool path pattern on AA6061-T6 friction stir welding	Dr V Jayaseelan	Mechanica 1	Materials and Manufacturing Processes	Jun-22	1532-2475	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
16	DEFORM 3D Simulations and Taguchi Analysis in Dry Turning of 35CND16 Steel	Dr V Jayaseelan	Mechanica 1	Advances in Materials Science and Engineering	Jun-22	1687-8434	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl
17	Effect of extrusion ratio and die angle on the microstructure of an AA6063/SiC composite	Dr V Jayaseelan	Mechanica 1	Materials Testing	Jun-22	21958572	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQGJmAc-62mcl

18	Finite Element Method-Based Spherical Indentation Analysis of Jute/Sisal/Banana-Polypropylene Fiber-Reinforced Composites	Dr.P.Jayaraman	Mechanica 1	Adsorption Science & Technology, Vol: 2022, pp. 1-19, ISSN: 2048-4038	Sep-22	ISSN: 2048-4038	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nL-BpDBfzKpXRA5ofTxPLBR
19	Thermochemical Recycling of Solid Biomass Materials for Achieving Sustainable Goal: A Complete Characterization	Dr.P.Jayaraman	Mechanica 1	Journal of Chemistry, Vol: 2022, pp. 1-9, ISSN: 2090-9071	Aug-22	ISSN: 2090-9071	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nL-BpDBfzKpXRA5ofTxPLBR
20	Revealing Berberis aristata potential as an anti-viral agent to combat Paramyxoviridae infection	Dr.A.Praveena	BIOTECH	Journal of Environmental Biology	2022-2023	0254-8704	SCI	https://www.jeb.co.in/index.php?page=abstract&issue=202207_jul22&number=7
21	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	2022-2023	ISSN (Print): 1573-4099	SCI	10.2174/1573409919666230418095105, https://pubmed.ncbi.nlm.nih.gov/37076965/
22	A pharmacological perspectives of Musa sapientum peels against lung cancer	Dr.A.Praveena	BIOTECH	Journal of Cancer Research and Therapeutics	2022-2023	1998-4138	SCI	https://journals.lww.com/cancerjournal/pages/default.aspx DOI: 10.4103/jcrt.jcrt_583_22
23	A COMPARATIVE STUDY ON THE ANTI-CANCER POTENTIAL OF ENICOSTEMA AXILLARE ON CANINE AND HUMAN BREAST CANCER BY TARGETING RUNX AS	Dr.A.Praveena	BIOTECH	International Journal Of Pharmaceutical Sciences And Research	2022-2023	E-ISSN: 0975-8232; P-ISSN:	SCOPUS	https://ijpsr.com/bft-article/a-comparative-study-on-the-anti-cancer-potential-of-enicostema-axillare-on-canine-and-human-breast-cancer-by-
24	Eco-friendly green synthesis of copper nanoparticles from Tinospora cordifolia leaves: optical properties with biological evaluation of anti-microbial, anti-inflammatory and anti-oxidant applications	Dr.S.Shobana	BIOTECH	Materials Technology	2022-2023		SCI	10.1080/10667857.2023.2247908
25	Current advancements in the development of bionic organs using regenerative medicine and 3D tissue engineering	DR.S.Shobana	BIOTECH	Materials Technology	2022-2023		SCI	http://dx.doi.org/10.1080/10667857.2023.2242732
26	One-pot synthesis of Ag-Cr bimetallic nanoparticles from Catharanthus roseus for anti-bacterial, anticancer, anti-diabetic, and anti-inflammatory activity and toxicity study in zebrafish	DR.S.Shobana	BIOTECH	Biomass Conversion and Biorefinery	2022-2023		SCI	10.1007/s13399-023-04767-9
27	Construction of novel g-C3N4 coupled efficient Bi2O3 nanoparticles for improved Z-scheme photocatalytic removal of environmental wastewater contaminant: Insight mechanism	Dr.R.Balachandar	BIOTECH	Journal of Environmental Management / International (Elsevier)	2022-2023	0301-4797 / 1095-8630	WOS/SCI/SCOPUS	https://doi.org/10.1016/j.jenvman.2022.117134

28	Origin, transport and ecological risk assessment of illicit drugs in the environment – A review	Dr.R.Balachandar	BIOTECH	Chemosphere / International (Elsevier publications)	2022-2023	ISSN 0045-6535 - Elsevier	WOS/SCI/ SCOPUS	https://doi.org/10.1016/j.chemosphere.2022.137091
29	Current and prognostic overview on the strategic exploitation of anaerobic digestion and digestate: A review	Dr.R.Balachandar	BIOTECH	Environmental Research / International (Elsevier publications)	2022-2023	0013-9351 / 1096-0953	WOS/SCI/ SCOPUS	https://doi.org/10.1016/j.envres.2022.14526
30	Emerging nanotechnology based advanced techniques for wastewater treatment	Dr.R.Balachandar	BIOTECH	Chemosphere / International (Elsevier publications)	2022-2023	ISSN 0045-6535 - Elsevier	WOS/SCI/ SCOPUS	https://doi.org/10.1016/j.chemosphere.2022.135050
31	Timer Entrenched Baited Scheme to Locate and Remove Attacks in MANET	Dr. S. Padmapriya	CSE	Intelligent Automation & Soft Computing	June--2022	ISSN: 1079-8587 (Print)	SCI/SCIE	DOI: 10.32604/iasc.2023.027719
32	Electro Search Optimization based Long Short-Term Memory Network for Mobile Malware Detection Concurrency and Computation: Practice and Experience	Dr. S. Padmapriya	CSE	Concurrency and computations practice and experience	June--2022	ISSN: 1532-0626 (print),	SCI/SCIE	https://doi.org/10.1002/cpe.7044
33	Improved Data Security in Cloud Environment for Test Automation Framework and Access Control for Industry 4.0	Dr. W Thamba Meshach	CSE	Wireless Communications and Mobile Computing	June--2022	Print ISSN: 1530-8669	SCI/SCIE	https://doi.org/10.1155/2022/3242092
34	Oppositional Harris Hawks Optimization with Deep Learning-Based Image Captioning	Dr. V R Kavitha	CSE	Computer Systems Science & Engineering	June--2022	ISSN: 0267-6192 (print)	SCI/SCIE	DOI:10.32604/csse.2023.024553
35	Depression Detection on COVID 19 Tweets Using Chimp Optimization Algorithm	R.Meena	CSE	Intelligent Automation & Soft Computing	July --2022	ISSN: 1079-8587	SCI/SCIE	DOI: 10.32604/iasc.2022.025305
36	Analysing Quantitative Assignment Problem with different Metaheuristic Algorithm	B Gunasundari	CSE	Journal Of Pharmaceutical Negative Results	Oct -- 2022	ISSN 2229-7723 (Online)	SCOPUS	https://doi.org/10.47750/pnr.2022.13.04.032
37	Intelligent and novel multi-type cancer prediction model using optimized ensemble learning	S. Famitha	CSE	Computer Methods in Biomechanics and Biomedical Engineering	June--2022	Print ISSN: 1025-5842	SCOPUS	https://doi.org/10.1080/10255842.2022.2081504

38	A Novel Approach for Cyber Threat Detection Based on Angle-Based Subspace Anomaly Detection	T R Soumya	CSE	Cybernetics and Systems	Nov-23	10876553 , 01969722	SCI/SCIE	https://doi.org/10.1080/01969722.2022.2148509
39	Design and evaluation of a deep CNN algorithm for detecting farm weeds	Dr.M.Gopikrishnan	CSE	International Journal of Engineering Systems Modelling and Simulationthis link is	Feb-23	ISSN print 1755- 9758	SCOPUS	https://doi.org/10.1504/IJESMS.2023.129994
40	Hybrid Authentication Using Node Trustworthy to Detect Vulnerable Nodes	Dr.R.Thiagarajan	IT	Computer Systems Science & Engineering	2023		SCI/SCIE	DOI: 10.32604/csse.2023.030444
41	Leveraging Machine Learning Techniques for Detecting Emotional States in ASD Children	Dr.R.Thiagarajan	IT	Computer Integrated Manufacturing Systems	Nov-23		SCOPUS	http://cims-journal.com/index.php/CN/article/view/231
42	An Approach for Detecting Complications in Agriculture Using Deep Learning and AnomalyBased Diagnosis	Dr.R.Thiagarajan	IT	Computer Integrated Manufacturing Systems	Nov-23		SCOPUS	http://cims-journal.com/index.php/CN/article/view/232
43	Energy efficient congestion free and adaptive mechanism for data delivery in underwater wireless sensor networks using 2H-ACK	Dr.R.Thiagarajan	IT	Optical and Quantum Electronics	Aug-23		SCI/SCIE	https://doi.org/10.1007/s11082-022-04030-x
44	IoT based smart surgical management platform for hospitals to enhance safety in medical treatment	Dr. R. Thiagarajan	IT	International Journal of Health Sciences	Jul-22		SCOPUS	https://doi.org/10.53730/ijhs.v6nS4.11084
45	Evolution of IOT in health care by protecting and safeguarding private security in healthcare	Dr. R. Thiagarajan	IT	International Journal of Health Sciences	Jul-23		SCOPUS	https://doi.org/10.53730/ijhs.v6nS6.11133
46	Brain Damage Detection using Machine learning approach	Dr. R. Thiagarajan	IT	Neuro Quantology	Aug-23		SCOPUS	doi: 10.14704/nq.2022.20.10.NQ55242
47	Virtual Storage Failure Prediction model using supervised machine learning	Dr.R.Thiagarajan	IT	Neuro Quantology	22-Sep		SCOPUS	doi: 10.14704/nq.2022.20.9.NQ44475

48	Threshold multiparty multi-randomness secure partially homomorphic encryption for data security in cloud	Ms.M.D.Boomija	IT	Expert Systems-Wiley	22-Sep		SCI/SCIE	https://doi.org/10.1111/exsy.13043
49	<u>INTRUSION DETECTION SYSTEM TO AVOID MALICIOUS INTRUDERS IN HIGHER LAYER NETWORK SECURITY</u>	Dr.S.Madhusudhanan	AI&ds	ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY	01-Mar	ISSN: 2229-6948(ON LINE)	UGC CARE	DOI: 10.21917/ijct.2023.0426
50	AN INTENSE ANALYSIS OF OPTICAL WIRELESS MEDIUM TO IMPROVE THE SECURITY	Ms. R. Kannamma	AI&ds	ICTACT JOURNAL ON MICROELECTRONIC S	01-Apr	ISSN: 2395-1680	UGC CARE	DOI: 10.21917/ijme.2023.0264
51	Optimized coordinated control of hybrid AC/DC micro grids along PV wind battery: a hybrid based model	Ms.S.Shobana	EEE	International journal of bio inspired computation	2022	17580374 , 17580366	SCI	https://doi.org/10.1504/ijbic.2022.127533
52	Hybrid optimization enabled multi-aggregator based charge scheduling of electric vehicle in internet of electric vehicles	Ms.S.Shobana	EEE	Wiley online library	2023	1613-6810	SCI	https://doi.org/10.1002/cpe.7654
53	IoT based Electrical Theft Detection System	Ms.K.M.Vijayalakshmi	EEE	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC CARE	
54	Experimental Investigation on Self Compaction Concrete	S.VALLABHY	CIVIL	The International Journal of Innovative Research in Science, Engineering and	Jul-22	e-ISSN: 2319-8753, p-ISSN:	OTHERS	http://www.ijirset.com/upload/2022/july/63_Experimental_NC.pdf
55	Experimental Study on Reactive Powder Concrete Replacing Aggregates with Industrial Waste	S.VALLABHY	CIVIL	The International Journal of Innovative Research in Science, Engineering and	Jul-22	e-ISSN: 2319-8753, p-ISSN:	OTHERS	http://www.ijirset.com/upload/2022/july/23_Experimental_NC.pdf
56	Intrusion Detection System To Avoid Malicious Intruders In Higher Layer Network Security	Dr.S.Madhusudhanan	AI&DS	ICTACT Journal on Communication Technology	Mar-23	ISSN: 2229-6948(ON LINE)	UGC CARE	DOI: 10.21917/ijct.2023.0426
57	An Intense Analysis Of Optical Wireless Medium To Improve The Security	Ms. R. Kannamma	AI&DS	ICTACT Journal on Microelectronics	Apr-23	ISSN: 2395-1680	UGC CARE	DOI: 10.21917/ijme.2023.0264