

3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi)				
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list	Is it listed in SCOPUS list	SCOPUS LINK
A Novel Approach for Privacy Preservation in Big data using Data Perturbation in Nested Clustering in Apache Spark	R.Vimala	CSE	Journal of Computational and Theoretical Nanoscience	2018-19	1546-1955	Link	Link	Yes	Yes	Link
Detection of anemia disease using DPSO algorithm	N.R.Shanker	ECE	ARNP Journal of Engineering and Applied Sciences	2018-19	1819-6608	Link	Link	Yes	Yes	Link
Geospatial Analysis of Terrain Through Optimized Feature Extraction And Regression Model With Preserved Convex Region	N.R.Shanker	ECE	Multimedia Tools and applications	2018-19	1380-7501	Link	Link	Yes	Yes	Link
Data Security in Cloud Storage Using Elliptical Curve Cryptography	N.R.Shanker	ECE	International Journal of Pure And Applied Mathematics	2018-19	1314-3395	Link	Link	Yes	Yes	Link
A Condition Monitoring System by Using Thermal Image	N.R.Shanker	ECE	International Journal of Pure And Applied Mathematics	2018-19	1314-3395	Link	Link	Yes	Yes	Link
Detection of Anemia Disease Using PSO Algorithm and LSP Texture Analysis	N.R.Shanker	ECE	International Journal of Pure And Applied Mathematics	2018-19	1314-3395	Link	Link	Yes	Yes	Link
Drilling Performance and wear characteristics of coated drill bits during drilling Reinforced concrete	S.Sathish & Ramkumar	Mech	International Journal of Applied Ceramic Technology	2018-19	1744-7402	Link	Link	Yes	Yes	Link
Effect of Polymeric Resins on Geotechnical Properties of Black Cotton Soil	Jayaganesh Kuppusamy	Civil	International Journal of Recent Technology and Engineering	2019-20	2277-3878	Link	Link	Yes	Yes	Link
Multilevel sentiment analysis using domain thesaurus	K Priya	CSE	Journal of Ambient Intelligence and Humanized Computing	2019-20	1868.-5137	Link	Link	Yes	Yes	Link
Protection on Wireless Sensor Network from Clone Attack using the SDN.Enabled Hybrid Clone Node Detection Mechanisms	P.P.Devi	CSE	Computer Communications	2019-20	0140-3664	Link	Link	Yes	Yes	Link
Analysis of Udemy courses based on Machine Learning Algorithm	J Mary Jenifer	CSE	International Journal of Control and Automation	2019-20	2005-4297	Link	Link	Yes	Yes	Link
Survey on Automatically Mining Query Facets	J Mary Jenifer	CSE	International Journal of Control and Automation	2019-20	2005-4297	Link	Link	Yes	Yes	Link
Efficient routing in UASN during the thermohaline environment conditionto improve the propagation delay and throughput	N.R.Shanker	ECE	Soft Computing	2019-20	1432-7643	Link	Link	Yes	Yes	Link
Geometric distortion and mixed pixel elimination via TDYWT image enhancement for precise spatial measurement to avoid land survey error modeling	N.R.Shanker	ECE	Soft Computing	2019-20	1432-7643	Link	Link	Yes	Yes	Link
Improving Packet Delivery Performance in Water Column Variations through LOCAN in Underwater Acoustic Sensor Network	N.R.Shanker	ECE	Journal of Sensors	2019-20	1687-7268	Link	Link	Yes	Yes	Link
Analysis and Design of a Giromill Type Vertical Axis Wind Turbine for a Low Wind Profile Urban Area	A Mohanasundaram	EEE	Journal of Electrical Engineering	2019-20	1582- 4594	Link	Link	Yes	Yes	Link
Effect of laser remelting on the microstructure and mechanical propeerties of meta inert gas welded low carbon mild steel	Dr.S.Sathish	Mech	Indian Journal of Engineering and Material Sciences	2019-20	0971-4588	Link	Link	Yes	Yes	Link
Selective laser Ablation of CFRP Composite to enhance adhesion bonding	S Ramkumar	Mech	Materials and Manufacturing Processes	2019-20	1042-6914	Link	Link	Yes	Yes	Link
Mixed ligand ternary complexes of Co(II), Ni (II), Cu (II) and Zn (II) and their structural characterization, electrochemical, theoretical and biological studies	A Ashma	Chemistry	Journal of Molecular Structure	2019-20	0022-2860	Link	Link	Yes	Yes	Link
Biochar derived from Caulerpa scalpelliformis for the removal of Reactive Yellow 81 in batch and packed bed column	D. Zunaithur Rahman	Civil	Biomass Conversion and Biorefinery	2020-21	ISSN : 2190-6823	Link	Link	Yes	Yes	Link

Sequestration of Pb(II), Ni(II) and Zn(II) biosorption onto brown seaweed Sargassum wightii: Isotherm and kinetic modeling	D. Zunaithur Rahman	Civil	Journal of Indian Chemical Society	2020-21	ISSN : 0019-4522	Link	Link	Yes	Yes	Link
Mixed pixel removal in north Tamil Nadu region for accurate area measurement	Dr N R Shanker	CSE	Computational Intelligence	2020-21	ISSN:0824-7935	Link	Link	Yes	Yes	Link
Multilayer Flexible Substrate Antenna sensor for PT Measurement from blood plasma to avoid Turbidity and Reagent Sensitivity Variations through Regression Modelling	Dr N R Shanker	CSE	IEEE Sensors Journal	2020-21	ISSN:1558-1748	Link	Link	Yes	Yes	Link
Maximum Power Point Tracking During Partial Shading Effect in PV System Using Machine Learning Regression Controller	Dr N R Shanker	CSE	Journal of Electrical Engineering & Technology	2020-21	ISSN: 1975-0102	Link	Link	Yes	Yes	Link
Aberrant Behavior Prediction and Severity Analysis for Autistic Child through Deep Transfer Learning to avoid Adverse Drug Effect	Dr N R Shanker	ECE	Biomedical Signal Processing and Control	2020-21	ISSN: 1746-8094	Link	Link	Yes	Yes	Link
Searching time operation reduced IPV6 matching through dynamic DNA routing table for less memory and fast IP processing	Dr N R Shanker	ECE	Soft Computing	2020-21	ISSN: 1195-3934	Link	Link	Yes	Yes	Link
Determination of Glycaemic Index (GI) through Detecting Insulin Secretion in Pancreas Using GMR Sensor	Dr N R Shanker	ECE	Journal of Sensors	2020-21	ISSN: 1558-1748	Link	Link	Yes	Yes	Link
Improving Packet Delivery Performance in Water Column Variations through LOCAN in Underwater Acoustic Sensor Network	Dr N R Shanker	ECE	Journal of Sensors	2020-21	ISSN: 1558-1748	Link	Link	Yes	Yes	Link
Efficient Routing In Uasn During The Thermohaline Environment Condition To Improve The Propagation Delay And Throughput	Dr N R Shanker	ECE	Soft Computing	2020-21	ISSN: 1195-3934	Link	Link	Yes	Yes	Link
Modified Mackenzie Equation and CVOA Algorithm Reduces Delay in UASN	Dr N R Shanker	ECE	Computers, Materials & Continua	2020-21	ISSN: 1546-2226	Link	Link	Yes	Yes	Link
Blockchain Technology Empirical Studies on the Demand of Distributed Network	Dr. M. Amanullah	IT	Journal of Physics: Conference Series	2020-21	ISSN:1742-6588	Link	Link	Yes	Yes	Link
A Study on Developing 3-Dimensional Architecture Array of Solar Park above Railways	P Muni Raja Chandra, Dr Mohd F Shabir, R Manikandan	IT	Materials Today Proceedings	2020-21	ISSN-2444-2448	Link	Link	Yes	Yes	Link
Effect of Various Phase Change Materials (Paraffin Wax /Hydrogenerated Vegetable Oil) Packed in a Fabricated Shell and Tube type Heat Exchanger	P Muni Raja Chandra, Dr Mohd F Shabir	MECH	Materials Today Proceedings	2020-21	ISSN-1427-14332	Link	Link	Yes	Yes	Link
Experimental Investigation of the Effect of Independent Parameters in the Face Milling of Aluminium 6082 Alloy	Dr S Ramkumar	MECH	Transactions of the Indian Institute of Metals	2020-21	ISSN: 0972-2815	Link	Link	Yes	Yes	Link
Effect of Cascara/testa natural fiber reinforced (epoxy based) hybrid composites	R Manikandan	MECH	Journal of Physics: Conference Series	2020-21	ISSN: 1742-6588	Link	Link	Yes	Yes	Link
Decolorization of Reactive Red 120 Using Agro Waste-Derived Biochar	Zunaithur Rahman	Civil	Advances in Materials Science and Engineering	2021-22	16878442	Link	Link	Yes	Yes	Link
Investigation of mechanism of metal ion adsorption from aqueous solutions using Prosopis juliflora roots: Batch and fixed bed column studies	Zunaithur Rahman	Civil	Global Nest Journal	2021-22	17907632	Link	Link	Yes	Yes	Link
Properties of Plasma sprayed Al2O3-13TiO2 and ZrO2 blended coatings on bio medical alloy	S.Sathish	MECH	Transactions of the Indian Ceramic Society	2021-22	2165-5456	Link	Link	Yes	Yes	Link
Autonomous Fuzzy Controller Design for the Utilization of Hybrid PV-Wind Energy Resources in Demand Side Management Environment.	A.Mohanasundaram	EEE	Electronics	2021-22	2079-9292	Link	Link	Yes	Yes	Link
Comprehensive Review of KY Converter Topologies, Modulation and Control Approaches With Their Applications	RAMEEZ RAJA	EEE	IEEE Access	2021-22	2169-3536	Link	Link	Yes	Yes	Link
Haemoglobin Measurement from Eye Anterior Ciliary Arteries through Borescope Camera	Shanker, N.R.	CSE	Computer Systems Science and Engineering	2021-22	2676192	Link	Link	Yes	Yes	Link

Magnetoresistance sensor-based rotor fault detection in induction motor using non-decimated wavelet and streaming data	Shanker, N.R.	CSE	Automatika	2021-22	0572-2241	Link	Link	Yes	Yes	Link
Motor Torque Measurement Using Dual-Function Radar Polarized Signals of Flux	Shanker, N.R.	CSE	Intelligent Automation & Soft Computing	2021-22	10798587	Link	Link	Yes	Yes	Link
Running State Monitoring of Induction Motor Windings Using Near Infra-red Sensor Residual Signal and Q Factor Analysis	Shanker, N.R.	CSE	Journal of Electrical Engineering and Technology	2021-22	19750102	Link	Link	Yes	Yes	Link
Multi-Site Air Pollutant Prediction Using Long Short Term Memory	Shanker, N.R.	CSE	Computer Systems Science and Engineering	2021-22	2676192	Link	Link	Yes	Yes	Link
Load Balancing: DCN Servers based on Regression Analysis During Heavy and Frequent Messages	Sulthana Begam	CSE	Wireless Personal Communications	2021-22	9296212	Link	Link	Yes	Yes	Link
Induction motor's rotor slot variation measurement using logistic regression	Shanker, N.R.	CSE	Automatika	2021-22	0572-2241	Link	Link	Yes	Yes	Link
Early Detection of Pediatric Cardiomyopathy Disease Using Window Based Correlation Method from Gene Micro Array Data	Shanker, N.R.	CSE	Journal of Sensors	2021-22	16877268	Link	Link	Yes	Yes	Link
Modified Mackenzie Equation and CVOA Algorithm Reduces Delay in UASN	Shanker, N.R.	CSE	Computer Systems Science and Engineering	2021-22	2676192	Link	Link	Yes	Yes	Link
Aberrant behavior prediction and severity analysis for autistic child through deep transfer learning to avoid adverse drug effect	N. R. Shanker and E. Ganesh	CSE	Biomedical Signal Processing and Control	2021-22	1746-8094	Link	Link	Yes	Yes	Link
Visualization of dentate nucleus, pontine tegmentum, pontine nuclei from CT image via nonlinear perspective projection	Shanker, N.R.	CSE	Signal, Image and Video Processing	2021-22	1863-1711	Link	Link	Yes	Yes	Link
Load Balancing in DCN Servers through SDN Machine Learning Algorithm	Sulthana Begam	CSE	Arabian Journal for Science and Engineering	2021-22	1319-8025	Link	Link	Yes	Yes	Link
Efficient Optimization Algorithms for Minimizing Delay and Packet Loss in Doppler and Geometric Sp	Shanker, N.R.	CSE	Wireless Personal Communications	2021-22	9296212	Link	Link	Yes	Yes	Link
AUTOMATED RAIN FALL PREDICTION ENABLED BY OPTIMIZED CONVOLUTIONAL NEURAL NETWORK-BASED FEATURE FORMATION WITH ADAPTIVE LONG – SHORT-TERM MEMORY FRAMEWORK	Dr. M.Amanullah	IT	Concurrency and Computation-Practice & Experience	2021-22	1613-6829	Link	Link	Yes	Yes	Link
Human Fatty Liver Monitoring Using Nano Sensor and IoMT	Shanker	Computer Science and Engineering	Intelligent Automation and Soft Computing	2022-23	1079-8587	Link	Link	Yes	Yes	Link
SF-CNN: deep text classification and retrieval for text documents	Shanker	Computer Science and Engineering	Intelligent Automation and Soft Computing	2022-23	1079-8587	Link	Link	Yes	Yes	Link
Prediction Of Rotor Slot Size Variation Through Vibration Signal Of Three Phase Induction Motor Using Machine Learning	Shanker	Computer Science and Engineering	Journal of Vibration Engineering and Technologies	2022-23	2523-3939	Link	Link	Yes	Yes	Link
Prediction of Rotor Slot Size Variations in Induction Motor Using Polynomial Chirplet Transform and Regression Algorithms	Shanker	Computer Science and Engineering	Arabian Journal for Science and Engineering	2022-23	2191-4281	Link	Link	Yes	Yes	Link
Transformer Internal and Inrush Current Fault Detection Using Machine Learning	Shanker	Computer Science and Engineering	Intelligent Automation and Soft Computing	2022-23	1079-8587	Link	Link	Yes	Yes	Link
Microclimatic HVAC system for nano painted rooms using PSO based occupancy regression controller	Lavanya & Shanker	Computer Science and Engineering	Energy	2022-23	0360-5442	Link	Link	Yes	Yes	Link
Prediction of rotor slot width in induction motor using Dyadic wavelet transform and softmax regression	Shanker	Computer Science and Engineering	International Journal of Emerging Electric Power Systems	2022-23	1553-779X	Link	Link	Yes	Yes	Link

Towards Automated and Optimized Security Orchestration in Cloud SLA	Shanker	Computer Science and Engineering	International Journal on Recent and Innovation Trends in Computing and Communication	2022-23	2321-8169	Link	Link	Yes	Yes	Link
HI-Shaped antenna for non-invasive diabetic measurement and monitors	Shanker	Computer Science and Engineering	ECTI Transactions On Electrical Engineering, Electronics, And Communications	2022-23	1685-9545	Link	Link	Yes	Yes	Link
Comprehensive Characterization of Ferrochrome Slag and Ferrochrome Ash as Sustainable Materials in Construction	Zunaithur Rahman	Civil Engineering	Journal of Nanomaterials	2022-23	1687-4110	Link	Link	Yes	Yes	Link
Optimization of River Sand with Spent Garnet Sand in Concrete Using RSM and R Programming Packages	Zunaithur Rahman	Civil Engineering	Journal of Nanomaterials	2022-23	1687-4110	Link	Link	Yes	Yes	Link
Batch and packed bed column studies of azo dyes adsorption from the aqueous solutions using activated sugarcane bagasse charcoal adsorbent: isotherm and kinetic studies	Zunaithur Rahman	Civil Engineering	Global NEST Journal	2022-23	1790-7632	Link	Link	Yes	Yes	Link
Biosorption of heavy metal ions from the aqueous solutions using groundnut shell activated carbon: batch adsorption, kinetic and thermodynamic studies	Zunaithur Rahman	Civil Engineering	Global NEST Journal	2022-23	1790-7632	Link	Link	Yes	Yes	Link
Design of a wind-solar hybrid energy air conditioning system using BLDC motor for the Indian home environment	Mohanasundaram	Electrical and Electronics Engineering	Journal of Electrical Engineering	2022-23	0948-7921	Link	Link	Yes	Yes	Link
IoT based Customizable Energy Management System using Cloud Computing	Lavanya	Information Technology	Neuro Quantology	2022-23	1303-5150	Link	Link	Yes	Yes	Link
Non-invasive method of melanoma detection on the skin surface through extraction of image features using modified CAT optimization algorithm	Prabhakaran	Electronics and Communication Engineering	Current Science	2022-23	0011-3891	Link	Link	Yes	Yes	Link
Investigations on the synthesis and growth and structural, spectral, optical, mechanical and thermal properties of non-linear optical single crystals of Bis-L-Seriniumoxalate Dihydrate (BLSOD)	Mohamed Hidayathullah	Physics	Journal of Ovonic Research	2022-23	1584 - 9953	Link	Link	Yes	Yes	Link
Investigational work on self-cleaning cement mortar with titanium dioxide in partial replacement of cement	Zunaithur Rahman & Rajalakshmi	Civil Engineering	Materials Today: Proceedings	2022-23	2214-7853	Link	Link	Yes	Yes	Link
A study to determine human-related errors at the level of top management, safety supervisors & workers during the implementation of safety practices in the construction industry	Nazeer Ahamed	Civil Engineering	Safety Science	2022-23	0925-7535	Link	Link	Yes	Yes	Link
An investigation on thermo-mechanical characterization of activated carbon/coconut shell powder reinforced natural composites	Manikandan	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2022-23	0954-4089	Link	Link	Yes	Yes	Link
Development of Machine Learning Based Microclimatic HVAC System Controller for Nano Painted Rooms Using Human Skin Temperature	Lavanya & Shanker	Information Technology	Journal of Electrical Engineering & Technology	2022-23	1975-0102	Link	Link	Yes	Yes	Link
Investigation of optical, thermal and mechanical studies on semi organic nonlinear optical diquabis(L-lactato)magnesium (DLLM) single crystal for optoelectronic devices applications	Mohamed Hidayathullah	Physics	Journal of Materials Science- Materials in Electronics	2022-23	0957-4522	Link	Link	Yes	Yes	Link