



EXCEL ENGINEERING COLLEGE

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KOMARAPALAYAM - 637 303

Faculty Publications Academic Year: 2021-22

S.No	Name of the Authors	Title of the Paper	Name of the Journal	Vol. No. / Issue No./ Page No. / Year/Month
Department of Aeronautical Engineering				
1	Dr. P. Karunakaran	Technological Innovation for Noise Reduction in Turbofan and Airframes	Journal of Emerging Technologies and Innovation Research(JETIR)	Vol. No. 9 Issue 4, 2022
2	M.G. Rajagopal	Conceptual Design of Super- Scoper Fire- fighting Aircraft with Virtual Reality System	International Journal of Research in Engineering and Science	Vol. No. 10 Issue 4, 2022, PP. 46-54
3	Dr. P. Karunakaran	Conceptual design of 13 -seater STOVL aircraft for rural air mobility in Nepal VAAJU YANN.	International journal for research in applied science and engineering technology,	volume 10, Issue 5, 2022.
Department of Computer Science and Engineering				
4	Dr.S.Sreethar	SARC: Search and rescue optimization-based coding scheme for channel fault tolerance in wireless networks	Wireless Networks	July-2021
5	Dr.S.Sreethar	A Group Teaching Optimization Algorithm for Priority-Based Resource Allocation in Wireless Networks	Wireless Personal Communication	Oct-2021
6	Dr.K.Geetha	An Optimized Data Replication Algorithm in Mobile Edge Computing Systems to Reduce Latency in Internet of Things	Hybrid Intelligent Systems	Mar- 2022
7	Dr. P. C. Senthil Mahesh	Novel dynamic k-modes clustering of categorical and non categorical dataset with optimized genetic algorithm based feature selection	Multimedia Tools and Applications	Mar- 2022
8	Dr. P. C. Senthil Mahesh	Automated service assistances to the visually impaired people using android application	World Journal of Engineering	March-2022
9	Mr.A.Sureshkumar	Customer segmentation in intelligent learning mechanism in E- banking using Frequent Item-set Hierarchical Clustering	Turkish Online Journal of Qualitative Inquiry	Aug- 2021
10	Mr.M.Sathishkumar	Novel Approach of Finding Abnormalities in Brain Through Interaction Patterns	Design Engineering	Dec-2021

11	Mr.A.Periyasamy	Novel Approach of Finding Abnormalities in Brain Through Interaction Patterns	Design Engineering	Dec-2021
12	Mrs.P.Kumari	Optimized Delbpa Algorithm For Binary Pattern Biometric Key Authentication In Cloud Data Production	Dynamic Systems and Applications, Dynamic Publishers	Dec-2021
13	Mr.E.Deepankumar	Natural Object Categorization Using Artificial Neural Network	International Journal of Novel Research and Development	Apr-2022
14	Mr.V.Surendhiran	Natural Object Categorization Using Artificial Neural Network	International Journal of Novel Research and Development	Apr-2022
15	Mr.M.Sathishkumar	Natural Object Categorization Using Artificial Neural Network	International Journal of Novel Research and Development	Apr-2022
16	Mr.A.Periyasamy	Natural Object Categorization Using Artificial Neural Network	International Journal of Novel Research and Development	Apr-2022
17	Dr.S.Sasikala	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Macro Cells Units for Improved Data Rate in 5G-SDN Networks	International Journal of Novel Research and Development	Apr-2022
18	Mrs.S.L.Swarna	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Macro Cells Units for Improved Data Rate in 5G-SDN Networks	International Journal of Novel Research and Development	Apr-2022
19	Mrs.S D.kokila	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Macro Cells Units for Improved Data Rate in 5G-SDN Networks	International Journal of Novel Research and Development	Apr-2022

Department of Electronics and Communication Engineering

20	Dr.S. Anbukaruppusamy Dr.N.Nandhagopal	SARC: Search and rescue optimization-based coding scheme for channel fault tolerance in wireless networks	Wireless networks	July 2021
21	Dr.S. Anbukaruppusamy Dr.N.Nandhagopal	A group Teaching Optimization Algorithm for Priority-Based Resource Allocation in Wireless Networks	Wireless Personal Communication	Oct 2021
22	Dr.N.Nandhagopal	RE-PUPIL: resource efficient pupil detection system using the technique of average black pixel density	Indian Academy of Sciences, Sadhana, Springer	Sep 2021
23	Dr.N.Nandhagopal	Trust Management-Based Service Recovery and Attack Prevention in MANET	Intelligent Automation & Soft Computing , Tech Science Press	Mar 2021
24	Dr.N.Nandhagopal	An Enhanced Memetic Algorithm for Feature Selection in Big Data Analytics with MapReduce	Intelligent Automation & Soft Computing, Tech Science Press	Apr 2021
25	Dr.N.Nandhagopal	Classification Similarity Network Model for Image Fusion Using Resnet50 and GoogLeNet	Intelligent Automation & Soft Computing, Tech Science Press	July 2021

26	Dr.N.Nandhagopal	A critical examination using wireless sensor network for SOS attack for online data	Design Engineering	2021
27	Dr.A.Vasantharaj	Automated Brain Imaging Diagnosis and classification model using rat swarm optimization with deep learning based capsule network	International journal of image and graphics	July 2021
28	Dr.A.Vasantharaj	Development of the vlsi design network cryptographic framework for bio energy saving smart IoT device according to the environment	International journal of biology, pharmacy and allied sciences	Nov 2021
29	Dr.A.Vasantharaj	IoT smart sensing device for sensitive nanoclusters modifications in sensing properties	International journal of biology, pharmacy and allied sciences	Nov 2021
30	Dr.S. Anbukaruppusamy	Greedy weight matrix topologicaladaptive AdHoc on -demand multipath distance vector protocol for QOS improvement in MANET	Wireless Personal Communication	Feb 2022
31	Dr.S. Anbukaruppusamy	Forest fire rediction using IoT and Deep learning	International journal of advanced technology and engineering Exploration	Feb 2022

Department of Mechanical Engineering

32	Dr.S. Balakrishnan	Development of a new improved structural integrity assessment correlation for throughwall axially cracked 90° shape imperfect pipe bends under in-plane opening bending moment	Elsevier-International Journal of Pressure Vessels and Piping	Aug 2021
33	Dr. R. Vinoth	Flow and heat transfer behavior of hybrid nanofluid through microchannel with two different channels	Elsevier- International Communications in Heat and Mass Transfer	Feb 2021
34	Dr. R. Vinoth	Role of non metallic Nano additive in the behavior of a diesel engine fueled with blends of Waste plastic oil	IOP Conference Series: Materials Science and Engineering	Oct 2021
35	Dr. R. Vinoth	Study on the heat transfer characteristics of Al ₂ O ₃ -CuO/Water hybrid nanofluids in a shell and rotating wavy tube heat exchanger	IOP Conference Series: Materials Science and Engineering	Oct 2021
36	Mr.V. Karthikeyan, Mr.M. Sambathkumar, Mr.K. Arulkumar	Design and Performance Analysis of Air Pre heater for Water Tube Boiler to improve its Efficiency	International Journal of Scientific Research in Science, Engineering and Technology	Nov 2021
37	Mr.V. Karthikeyan, Mr.M. Sambathkumar, Mr.K. Boopathy	Device and Exploration of Micro Hydro Energy Storage Systems	International Journal of Creative Research Thoughts (IJCRT)	April 2021
38	Mr.A. Karthikeyan	Implementation of bi-directional searching Chemical Reaction Optimizations(CRO) algorithm towards achieving cutting tool indexing time minimization in Automatic Tool Changer (ATR)	Journal of Engg. Research	Oct 2021

39	Mr.N.Selvakumar, Mr.T.M. Sakthi Muruga, Mr.S. Ganapathy, Mr.K. Arul Kumar	Exploration of Tensile, Flexural and Chemical Inertness Properties of Sisal fibre Reinforced Polymer Composites-Surface Analysis	International Journal of Scientific Research in Science, Engineering and Technology	Dec 2021
40	Mr.S. Ganapathy, Mr.P.Ravi kumar, Mr.R.Surenderan	Experimental Analysis of Shell and Tube Heat Exchanger with circular Fin by using Compatible Liquids	International Journal of Scientific Research in Science, Engineering and Technology	Jan 2022
41	Dr. R. Vinoth	Environmental impact on the use of diesel waste plastic oil nano-additive blends in a DI diesel engine	International Journal of Nano technology	Dec 2021
Department of Food Technology				
42	Dr. M P Murugesan	Clay mineral Effects of copper reclamation from Leached solution	Indian Journal of Chemical Technology	Vol. 29, March 2022, pp. 157-165
43	Dr. M P Murugesan	Toxic Metal Recovery from Waste Printed Circuit Boards: A review of Advanced approaches for Sustainable Treatment Methodology	Chemical Industry & Chemical Engineering Quarterly	Vol. 28 (2), pp. 103-113
44	Dr. M P Murugesan	Two phase leaching for metal recovery from waste Printed circuit boards: Statistical optimization	Advances materials Science and Engineering	Vol. 22 no. 1. pp. 1-9. Impact factor: 1.726
45	Dr. M P Murugesan	A Comparative review on Recovery of Heavy metals from Printed Circuit Boards (PCB's) by Chemical and Bio-leaching	Journal of Ceramic Processing Research	Vol. 23 No. 1 pp. 90-98.
46	Dr. M P Murugesan	A Review on ECG -Signal Classification of Scalogram Snap shots the use of Convolutional Neural Network and Continuous Wavelet Transform, International Research Journal of Engineering and Technology (IRJET)	International Research Journal of Engineering and Technology (IRJET)	Vol.9, No. 2, PP. 908-911.
47	Dr. P. Muthusamy	Biosorption of Nickel from Metal Finishing Effluent Using Lichen Parmotrema tinctorum Biomass	springer water air soil pollut	Vol. 232, No. 2, PP 478
48	Dr. M P Murugesan	Clay mineral Effects of copper reclamation from Leached solution	Indian Journal of Chemical Technology	Vol. 29, March 2022, pp. 157-165
49	Mr.N.Naveen	Novel Approach of Finding Abnormalities in Brain Through Interaction Patterns	International Journal of Design Engineering	ISSN:0011-9342 Year: dec 2021 Issue:9 Pages:12814-12820
50	Mr.M.Vadivel	Design and Development of 3D Brain MRI System Using Deep Neural Networks	International Journal of Medical Imaging and Health Informatics	Vol 11, pages:2653-2659, Year:2021