

Research Publication

2023

Author(s)	Title of the Paper	Journal Name	Journal Impact Factor	SJR (Rank)	h-index	Citation index
Dr. Soumit Samadder Chaudhury	Independent Control over Passbands in Highly Selective and Compact Triple-band Bandpass Filter Based on Substrate Integrated Waveguide	Progress in Electromagnetics Research (PIER)	WOS: 3.1 and Scopus : 4.9			
Dr. Avinash Malladi	Effects of Molybdenum disulfide nanoparticles' concentration on waste cooking oil nanofluid in reduction feed force in CNC wet machining of SAE 1144 steel	Materials Today, Science Direct		0.445	69	2.548
Dr. Avinash Malladi	Investigating concentration of nanoparticles influence in Molybdenum disulfide waste cooking oil nanofluid for machining of SAE 1144 in surface finish enhancement	Materials Today, Science Direct		0.445	69	2.548

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Dr. Avinash Malladi	Mechanical characterization of friction stir welded dissimilar 5aluminium alloy using Taguchi approach	Materials Today, Science Direct		0.445	69	2.548
Dr. Avinash Malladi	Synthesis and Experimental Thermal Adsorption Characteristics of Epoxy Hybrid Composite for Energy Storage Applications	Hindawi, Adsorption Science & Technology	4.373	0.504	44	3.649
Dr.Kaushik Sekaran	Hybrid gated recurrent unit and convolutional neural network-based deep learning mechanism for efficient shilling attack detection in social networks	Elsevier, Computers and Electrical Engineering	4.152	1.112	73	
Lakshmi L.Kunada Dhana Sree Gupta, Shikha Reddy, K. Adi Narayana Grandhi, Suresh Kumar	WOMT: Wasserstein Distribution Based Minimization of False Positives in Breast Tumor Classification Using Deep Learning	IEEE Access	0.926		204	
Anjanna Matta, Rafeek, K.V.M., Reddy, G.J., Beg, O.A.,	Effect of viscous dissipation and internal heat source on mono-diffusive thermos convective stability in a horizontal porous medium layer,	Special Topics and Reviews in Porous Media, 2023, 14(1), pp. 17–28	1.5	0.217	19	2.3

Research Publication

MVN Madhavi Latha, Rashmi R Rachh,P.V.AnandaMohn	Residue to binary converter for the extended four moduli set $\{2k, 2n-1, 2n+1, 2n+1+1\}$ for n odd	Sadhana				
Dr. Avinash Malladi	Mechanical Interlocking Approaches to the Prediction of Mechanical and Tribological Behavior of Natural Fiber-Reinforced Polymer Hybrid Nanocomposites or Automotive Applications	Advances in Polymer Technology	4.373	0.504	44	3.649
Dr. Avinash Malladi	Synthesis, Thermal Adsorption, and Energy Storage Calibration of Polysulfone Nanocomposite Developed with GNP/ CNT Nanofillers	Advances in Polymer Technology	4.373	0.504	44	3.649
Dr. Avinash Malladi	Assessment of solar thermal monitoring of heat pump by using zeolite, silica gel, and alumina nanofluid	Clean Technologies and Environmental Policy	4.516	0.86	68	3.649
Upendar Mendu and Veman Sai Prabhath Mendu	An Artificial Neural Network model for predicting the optimal velocity and skin friction of the nanofluids in a convergent channel	IEEE Access	3.9	0.926(4759)	204	9

Research Publication

G. Sucharitha , Vedula Sitharamulu , Sachi Nandan Mohanty , Anjanna Matta And Deepa Jose,	Enhancing Secure Communication in the Cloud Through Blockchain Assisted-CP-DABE	IEEE Access	3.9	0.926(4759)	204	9
Dr T Soloman Raju and Dr Ashwin Kumar Myakalwar	Butterfly-shaped and dromion-like optical similaritons in an asymmetric twin-core fiber amplifier	Journal of the Optical Society of America B	1.9			
Dr T Shreecharan and Dr T Soloman Raju	Time-dependent non-Abelian waves and their stochastic regimes for gauge fields coupled to external sources	Physical Review D	5.4			
Sandeep Kumar Panda	An Intelligent Disease Prediction and DrugRecommendation Prototype by Using Multiple Approaches of Machine Learning Algorithms	IEEE Access				
Sandeep Kumar Panda	Ensemble Learning with Symbiotic Organism Search Optimization Algorithm for Breast Cancer Classification & Risk Identification of Other Organs on Histopathological Images	IEEE Access				

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Sandeep Kumar Panda	Time Series Forecasting and Modeling of Food Demand Supply Chain Based on Regressors Analysis	IEEE Access				
Sandeep Kumar Panda	Optimal Ambulance Positioning for Road Accidents With Deep Embedded Clustering	IEEE Access				
Sandeep Kumar Panda	Dependency Structure-Based Rules Using RootNode Technique for Explicit Aspect Extraction From Online Reviews	IEEE Access				
Sandeep Kumar Panda	Speech emotion recognition using multimodal feature fusion with machine learning approach	Springer Multimedia Tools and Applications				
Dr TSR, Dr Ashwin Kumar Myakalwar	Butterfly-shaped and dromion-like optical similaritons in an asymmetric twin-core fiber amplifier	Journal of the Optical Society of America B	1.9			
K HARITHA , YUGANAND NELLAMBAKAM, M BINDU MADHAVI and K V S SHIV CHAITANYA	Rational extensions of non-central potentials	Pramana – J. Phys.	2.59	0.442	58	

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Sagar Surendra Prasad; Somenath Dutta; Chandan Kumar Choubey; Prof. Rajeev Kumar Ranjan	Tunable floating and grounded memristor emulator model	International Journal of Electronics, Taylor & Francis	1.45	0.34	53	
Asisa Kumar Panigrahy	Design and Comparative Analysis of FD-SOI FinFET with Dual-dielectric Spacers for High Speed Switching Applications	Silicon, Springer	3.4	0.49	41	
Asisa Kumar Panigrahy	Minimization of Electrical Signal Interference with Appropriate Core Material for 3D IC at THz Applications	Transactions on Electrical and Electronic Materials, Springer	1.9	0.3	25	
Asisa Kumar Panigrahy	Barrier and channel thickness engineering to optimize fin height for enhancement mode Al _{0.3} Ga _{0.7} N/GaN FinHEMT	International journal of numerical modelling: electronic networks, devices and fields	1.5	0.39	33	