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B.N.M. Institute of Technology

An Autonomous Institution under VTU

Research Publications list for incentives from 1st July 2022 to 31st December 2022

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SI. No.	Name of Faculty Author	Name of the Journal	Title	Indexed in	Journal Rating
Chemistry					
1	Dr. B.K. Jayanna	Crystals	Hydrogen-Bonded Chain of Rings Motif in N-(4-Methoxyphenyl) piperazin-1-ium Salts with Benzoate Anions: Supramolecular Assemblies and Their Energy Frameworks	Scopus	Q2
2	Dr. Prathibha B S	Physical chemistry chemical physics	Depth-resolved oxidational studies of Be/Al periodic multilayers investigated by X-ray photoelectron spectroscopy	Scopus	Q1
3	Dr. Prashanth M K	ACS Omega	Fabrication of FeVO4/RGO Nanocomposite: An Amperometric Probe for Sensitive Detection of Methyl Parathion in Green Beans and Solar Light-Induced Degradation	Scopus	Q1
Physics					
4	Dr.K.N.N Prasad	Journal of the Indian Chemical Society	Theoretical and photophysical investigation of biologically active fluorophore: 2-amino-6-chlorofluoren-9-one	Scopus	Q4
5	Dr. S. Chandrasekhar	Journal of Molecular Structure	Facile green synthesis of samarium sesquioxide nanoparticle as a quencher for biologically active imidazole analogues: Computational and experimental insights	Scopus	Q2
Electronics and Communication Engineering					
6	Dr. Keerti Kulkarni, Dr. P. A. Vijaya	Journal of The Institution of Engineers (India): Series B	Mapping Forests Using an Imbalanced Dataset	Scopus	Q3

7	Dr. Yasha Jyothi M Shirur	Res Militaris (Social Science Journal)	Efficient Realization of Fast Fourier Transform based on Distributed Arithmetic	Scopus	Q4
8	Dr. D. Bhuvana Suganthi	Microprocessor and Microsystems	The Defense Against Jamming Attack in Cognitive Radio Network: Energy Efficiency Management Perspective	Scopus & Web of Science	Q2
9	Dr. Ashwini S Savanth	Neuroradiology Journal	Differences in Brain Connectivity of Meditators during Assessing Neurocognition via Gamified Experimental Logic Task: A Machine Learning Approach	Scopus	Q3
10	Dr. Vrunda Kusanur	International Journal of Advanced Computer Science and Applications	Using Transfer Learning for Nutrient Deficiency Prediction and Classification in Tomato Plant	Scopus	Q3
Mechanical Engineering					
11	Dr. D. Shivalingappa	Surface & Coatings Technology	High temperature erosion behaviour of high-velocity oxy-fuel sprayed $CNT/NiCr-Cr_3C_2$ composite coatings	ScienceDirect	Q1
Computer Science Engineering					
12	Dr. S. Geetha	Specialusis Ugdymas	An Energy and Performance Balancing Algorithm Based on Adaptive Cloud Resource Re-Configurability	Scopus	Q4
13	Dr. Anitha N	International Jounal of Intelligent systems and Applications in Engineering	Hybrid Machine Learning based approach to reduce the Features for Prediction of Long-Term Renal Ailment	Scopus	Q4
14	Dr. Jalaja G	International Journal of Electrical and Computer Engineering (IJECE)	Analyzing sentiment dynamics from sparse text corona virus disease-19 vaccination using natural language processing model	Scopus	Q2
15	Dr. Sheba Selvam	Specialusis Ugdymas	Automatic Personality Recognition in Interviews Using convolutional neural networks (CNN)	Scopus	Q4

16	Mr.Raghavendra C K	Journal of pharmaceutical negative results	Hybrid Algorithm to Classify the Lung Abnormalities Using the Stethoscope Recordings	Scopus/ESCI	Q4
17	Smt. Rajani Shree M	Journal of Information Technology Management	Generation of Syntax Parser on South Indian Language using Bottom-Up Parsing Technique and PCFG	Scopus /ESCI	Q4
Information Science Engineering					
18	Dr. Jagruthi H	International. Journal of Computer Applications in Technology	Network intrusion detection using fusion features and convolutional bidirectional recurrent neural network	Scopus (Elsevier)	Q3
AI & ML Engineering					
19	Dr.Anusha Preetham	International Journal of Image and Graphics	Soil Moisture Retrieval Using Sail Squirrel Search Optimization- based Deep Convolutional Neural Network with Sentinel-1 Images	Scopus, ESCI	Q3
MBA					
20	Dr. Bhavya Vikas Dr. Charithra C M Dr. Mukund N Sharma	NeuroQuantology An Interdisciplinary Journal of Neurosceince and Quantum Physics	A Study on Reliability of Dividend Discount Model in determining the intrinsic value of selected stocks from NSE	Scopus	Q3

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