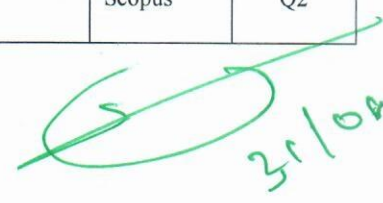


B.N.M. Institute of Technology

An Autonomous Institution under VTU

Research Papers Publication list for incentives from July 2025 to December 2025

Sl. No	Name of Faculty Author	Name of the Journal	Title	Month & Year of Publication	Indexed in	Scopus quartile
1	Dr. Sunitha R	Ingénierie des Systèmes d'Information	Enhancing Human Motion Recognition Through Multi-Sensor Data fusion and Deep learning for Smart Decision Support Systems	July-25	Scopus	Q3
2	Pavithra H C	International Journal of Computational Methods and Experimental Measurements	Hybrid Framework for privacy and Integrity in the IoT environment Using the Network topology Measures and Deep learning Techniques	Dec-25	Scopus	Q3
3	Dr. Nagarathna CR	International Journal of Medical Engineering and informatics	Multi perceptron network based model to classify the multi stages of alzheimer's disease using clinical data	Dec-25	Scopus	Q2
4	Dr. Prashanth M K	Journal of Alloys and Compounds	Unveiling the light absorption ability of gadolinium ferrite-iron monosulphide Z-scheme heterostructure for carbon dioxide and nitrogen reduction	Aug-25	Scopus	Q1
5	Dr. Prashanth M K	Materials Today Communications	Facile synthesis of novel stannous niobate pyrochlore: Morphological, structural, cytotoxicity, DNA binding and molecular docking studies	Sep-25	Scopus	Q1
6	Jayanna B K	Green Chemistry Letters and Reviews	Photocatalytic degradation of crystal violet dye using honey mediated synthesis of NiFe ₂ O ₄ nanoparticles	Aug-25	Scopus	Q1
7	Jayanna B K	RSC Advances	Prioritization of phytochemical isolation and characterization against HER2 as a breast cancer target based on chromatographic methods, DFT studies, 3D-QSAR analysis, and molecular docking simulations	July-25	Scopus	Q1
8	Dr. Chayadevi M L	Engineering, Technology & Applied Science Research	Biorthogonal Wavelet Packet and Adaptive Filters for Noisy Speech Reduction	July-25	Scopus	Q2
9	Dr. Anitha N	International Journal of Computing and Digital Systems	Optimized Workload Distribution Using a Dynamic Adaptive Algorithm for Real Time Data Processing in Smart Networking	July-25	Scopus	Q3
10	Dr. S Geetha	International Journal of Reconfigurable and Embedded Systems	On time audio alert automated intelligent system for visually impaired people	July-25	Scopus	Q4
11	Dr. Chaitra M	Ingenierie des Systèmes d'information	AI-Driven Multimodal Mental Health Monitoring System using Emotional, Physiological and Self-Reported Data	Aug-25	Scopus	Q3
12	Dr. Chaitra M	International Journal of Safety and Security Engineering	A Hybrid Deep Learning Framework for Multimodal Deep Fake Detection	Oct-25	Scopus	Q2
13	K Manjushree	International Journal of Safety and Security Engineering	Deep Reinforcement Learning-Based Energy-A ware Intrusion Prevention in IoT Environment	Aug-25	Scopus	Q2



14	Dr. Smitha Gayathri D	International Journal of Intelligent Engineering and Systems	Energy-Efficient Clustering and Routing in Wireless Sensor Network Using Random Differential Leader Pool Strategy with Electric Eel Foraging Optimization Algorithm	July-25	Scopus	Q2
15	Dr. D. Bhuvana Suganthi	International Journal of Management Science and Engineering Management	IoT-based smart pharmacies for optimizing stock management with diffusion hierarchical kernel auto-associative Prairie Dog polynomial convolutional attention network	Sep-25	Scopus	Q1
16	Dr. Vrunda Kusanur	Journal of Communication	Performance Analysis of Underwater Communication Using Li-Fi Across different Water Qualities	Oct-25	Scopus	Q1
17	Shreedevi S Ronihal	Ingénierie des Systèmes d'Information	AI-Driven IoT Framework for Advanced Cardiac Monitoring and Analysis	Sep-25	Scopus	Q3
18	Dr. Jagruthi H	International Journal of Safety and Security Engineering	A blockchain-enabled GNN framework for secure routing in IoT networks	Sep-25	Scopus	Q2
19	Nandhini B J	Montes Taurus Journal of pure and Applied mathematics	Muirhead Mean and its Properties	Dec-25	Scopus	Q1
20	Dr. Soniya Hegde	International Journal of Ambient Energy	Computational investigation of unsteady nonlinear convective transport of CuO–Al ₂ O ₃ –H ₂ O nanofluid with quadratic heat radiation using Koo-Kleinstreuer -Li model	Sep-25	Web of Science and Scopus	Q1
21	Vishnu P	International Journal of Environmental Sciences	Design and CFD Analysis of an Indigenous Rescue Vehicle.	Sep- 25	Scopus	Q3
22	Dr. D. Shivalingappa	Journal of Materials Engineering and Performance	Optimizing tribological characteristics in Magnesium-Aluminium-Silicon alloys through the application of the Taguchi method and Artificial Neural Network	Nov-25	Web of Science and Scopus	Q2
23	Prof. Balakrishna S.S	Cogent Engineering	Enhancing strength and damping: a study on the mechanical and vibrational properties of cast iron reinforced granite-epoxy hybrid composite	July-25	Scopus	Q2
24	Dr. Mukund Sharma	International Journal of Emerging Markets	Analyzing the nexus of stock return dynamics, trading volume and volatility in the Indian Stock Exchange	Aug-25	Scopus	Q1
25	Dr. Padmalini Singh	Public Health of Indonesia	Perceptions and Acceptance of Artificial Intelligence in Dentistry: A Comprehensive Examination of Dentists' Attitudes and Behavioural Intentions Towards AI Integration in Clinical Setting	Aug-25	Scopus	Q3

 31/07