

Publication Data 2024-2025

	Name of the Faculty	Title of the Paper / Book	Name of the Journal/Conference/Publisher	SCIE/Scopus	Year
1	Dr. B.R. VENKATESWARA RAO	Synergistic Integration of Mn – doped ZnO nanoparticles with Hibiscus Nano Host Matrix: Synthesis, Characterization, and Potential Applications	Journal of Physics: Conference series	Scopus	09-08-2024
2	Dr. B.R. VENKATESWARA RAO	Chloramphenicol's Semi-Synthetic Derivatization And In Vitro Investigation Of Its Broad Spectrum Antimicrobial Activity	Journal of Neonatal Surgery	Scopus	09-06-2025
3	DR. KOLLA NARENDRA	Excess Thermodynamic Study of Binary Mixtures of Benzyl Alcohol with Amides at Temperatures 298.15–323.15 K	Journal of Chemical & Engineering Data	SCIE	12-05-2025
4	DR. KSKR CHANDRA SEKHAR	Impact of ac frequency on polarization in Sn – substituted NBT ceramics near MPB – BT	AIP Publishing: AIP Conference	Scopus	25-01-2025
5	DR. KSKR CHANDRA SEKHAR	Structural, electrical, impedance, and modulus correlation in magnetoelectric multiferroic properties of Sm-doped Nb ⁵⁺ & Co/Fe substitution in Bi ₅ Ti ₄ O ₁₅ ; n=4 layered Aurivillius	Journal of Alloys and Compounds	SCIE	21-01-2025
6	DR. KSKR CHANDRA SEKHAR	Structural, Optical, and Multiferroic Properties of (1-x) BiFeO ₃ - (x)Pb (Fe _{2/3} W _{1/3})O ₃ solid solution	Bulletin of Materials Science	SCIE	06-11-2024
7	DR. KSKR CHANDRA SEKHAR	Influence of synthesis method on structural, microstructural, and magnetic	Journal of Electroceramics	SCIE	09-07-2024

		properties of Bi _{0.5} La _{0.5} FeO ₃ ceramics			
8	DR. P. NARESH	Ultrasonic sensor system for autonomous parking	IOPscience Journal of Physics: Conference Series	Scopus	27-02-2025
9	DR. P. NARESH	Influence of ZnO Ions on Micro-structural and Luminescence Properties of Host-lattice (CuO–ZrO ₂) Nano Hybrid	ECS Journal of Solid State Science and Technology	Scopus	25-04-2025
10	DR. SK. FAKRUDDIN BABAVALI	Optimizing Cluster Head Selection in Wireless Sensor Networks Using Mathematical Modeling and Statistical Analysis of The Hybrid Energy-Efficient Distributed (HEED) Algorithm	Journal of Communications on Applied Nonlinear Analysis	Scopus	07-08-2024
11	DR. SK. FAKRUDDIN BABAVALI	Investigating the Vibrational, Optical, Impedance, Electrical, and Thermal Properties of l-Histidine Acetate Dihydrate Crystals	Brazilian Journal of Physics	SCIE	04-06-2025
12	DR. SK. FAKRUDDIN BABAVALI	Enhancing physics experiment visualization with an augmented reality application	Taylor&Francis (ISSN NO: 978-1-032-90173-2)	SCI	10-02-2025

Patents 2024-2025

S.No	Name of the Faculty	Status	Total Number of Authors	Title of the Invention	Application Number	Date of Filing (dd-mm-yyyy)	Date of Publication (dd-mm-yyyy)
1	Dr. B.R. VENKATESWARA RAO	Published		Decoding Nano Materials Statistical Tools for XRD and FTIR Data Interpretation	202541056147		20-06-2025
2	DR. SK. FAKRUDDIN BABAVALI	Published		Enhanced Physical and Photoelectrochemical Properties of Nanostructured CdS Thin Films For Next Generation Optoelectronic Devices	202541013707		28-02-2025
3	DR. SK. FAKRUDDIN BABAVALI	Published		Nanoparticle Based Delivery Systems for Optimizing Plant Growth and Development in Sustainable Agriculture	202441072012		04-10-2024
4	DR. Y. NIRMAL RAJEEV	Published		High Efficiency Thermoelectric Generator Using Nanostructured Materials	202441072115		04-10-2024