Profile

Name of the Faculty	Dr. V Manjula
Designation	Associate Professor
Department	Freshman Engineering
Area of Interest	Dielectric Relaxation Spectroscopic Studies
Subjects Taught	Engineering Physics, Applied Physics, Semiconductor Devices
JNTUH Registration Id	59150401-113548
College Staff Code	SC0744
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Dielectric Relaxation Studies	GITAM	2022
2	MSc	Physics	OU(Pragathi PG College for Women)	2007
3	BSc	MPC	KU(Singareni women's Degree College)	2005

Publications Details :

S. No.	Publication details
1.	Hydrogen bonding dynamics and cooperative interactions of NMP/methanol binary mixture studied by dielectric relaxation spectroscopy and their temperature dependence, **Journal of Molecular Liquids** 434 (2025) 128018
2.	Dielectric characterization studies of hydrogen-bonded polar liquids in nonpolar medium using cavity perturbation technique, **Materials Today: Proceedings** (https://doi.org/10.1016/j.matpr.2023.03.697) April 2023
3.	Volumetric dielectric and spectroscopic studies for the binary mixtures of glycerol and dimethylacetamide, **Materials Today: Proceedings** (https://doi.org/10.1016/j.matpr.2023.04.300) April 2023
4.	Influence of hydrogen bond networks in Glycerol/NMethyl2Pyrrolidone mixtures studied by dielectric relaxation spectroscopy, ***Journal of Molecular Structure,*** 1227 (2021) 129703
5.	Molecular interaction studies of hydrogen-bonded N-Methyl-2-Pyrrolidone /Ethanol binary mixtures by dielectric relaxation spectroscopy and their temperature dependence, ***Physica B: Condensed Matter,*** *619 (2021) 413231*
6.	Investigation of temperature-dependent dielectric relaxation studies of 1,4-Butanediol/DMSO binary mixtures at the microwave frequency, ***Journal of Molecular liquids,*** 299 (2020) 112190
7.	Frequency and temperature-dependent dielectric studies of propylene glycol-Sulfolane binary mixtures in the microwave frequency region. ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy***,233 (2020) 118189
8.	Dielectric relaxation and thermodynamic study of Dimethylformamide/ 1, 4-Butanediol binary mixtures in the microwave frequency region, ***Physica B: Condensed Matter*** *(*2020) 412142
9	Relaxation dynamics of L-alanine in water medium investigated by dielectric relaxation spectroscopy, ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy***, 222 (2019) 117274

Experience:

Teaching	15
Industry	00
Research	04
Total Experience	15