

Profile

Name of the Faculty	Dr. C. Kalyani	
Designation	Sr. Assistant Professor	
Department	FE, Physics	
Area of Interest	Nano-Material Science	
Subjects Taught	EP, SSP, AP, SD	
JNTUH Registration Id	86150401-115402	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Nanomaterials	GITAM(Deemed to be university),Hyderabad	2025
2	MSc(Physics)	Electronic instrumentation	Osmania University	2008
3	BSc	MPCs	Osmania University	2005
4	Inter	MPC	Intermediate Board of education	2002
5	SSC	-	SSC board	2000

Publications Details :

S. No.	Publication details
1.	Effect of Temperature on Dielectric, Impedance, and Optical Properties of Al-Doped ZnO by Wet-Chemical Process C. Kalyani;I. V. Subba Reddy;P. Raju journal-article Physics of the Solid State, Year 2025
2.	Study of structural, optical properties and band structure analysis of zinc oxide substituted with manganese Kalyani Chilamakuri;I.V. Subba Reddy;P. Raju;Swarup Raju Padala Article Ceramics International, Volume 51, Year 2025, Pages 17007-17014
3.	Investigation of the structural and electrical behaviour of Mn-substituted ZnO Kalyani, C.; Subba Reddy, I.V.;Raju, P.;Missak Swarup Raju, P. journal-article Phase Transitions, Volume 97, Year 2024, Pages 145-158
4.	Synthesis and thermal stability of ferrite-added polymers nanocomposites Raju, P.; Thirupathi, A.; Kalyani, Ch.;Ali, Sk.M.;Shankar, J.;Rani, G.N.;Anjaiah, J.;Durga, M.K. Conference Paper Materials Today Proceedings, Volume 92, Year 2023, Pages 1671-1675
5	Effects of Al ³⁺ concentration on the structural, dielectric and conductivity properties of Al-doped ZnO Kalyani, C.H.;Subba Reddy, I.V.;Raju, P.;Missak Swarup Raju, P. Conference Paper Materials Today Proceedings, Volume 80, Year 2023, Pages 1111-1115
6	Complex permittivity and permeability properties analysis of NiCuZn Ferrite-Polymer nanocomposites for EMI suppressor applications Raju, P.;Shankar, J.;Anjaiah, J.;Kalyani, C.;Neeraja Rani, G. Conference Paper Journal of Physics Conference Series, Volume 1495, Year 2020
7	Study of Structural and Optical Properties of ZnO Doped with Aluminum for Solar Cell Applications C.H. Kalyani ^{1,2} , I.V. Subba Reddy ^{1*} , P. Raju ² and P. Missak Swaroop Raju NanoWorld J 10(S1): S423-S426.
8	FERRITE-POLYMER NANOCOMPOSITES: STRUCTURAL, ELECTRICAL, MAGNETIC AND EMI SHIELDING PROPERTIES Futuristic Trends in Chemical, Material Sciences & Nano Technology e-ISBN: 978-93-5747-745-1 IIP Series, Volume 3, Book 21, Part 9, Chapter 1

	FERRITE-POLYMER NANOCOMPOSITES: STRUCTURAL, ELECTRICAL, MAGNETIC AND EMI SHIELDING PROPERTIES
9	SYNTHESIS AND CHARACTERIZATION OF ZN1-X ALXO OXIDE NANOMATERIALS Futuristic Trends in Chemical, Material Sciences & Nano Technology e-ISBN: 978-93-5747-825-0 IIP Series, Volume 3, Book 13, Part 1, Chapter 5

Experience:

Teaching	17
Industry	-
Research	-
Total Experience	17