



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr. S. Harinath Babu
DESIGNATION : Assistant Professor
DEPARTMENT: H&S (Physics)
DATE OF BIRTH : 28-02-1977
DATE OF JOINING : 12-09-2012
EMAIL ID : Sharinathbabu26@gmail.com
EMPLOYEE ID: : 445



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D (Physics)	VIT University, Vellore	2016
M.Tech	S.V. University, Tirupathi	2004
M.Sc(Tech)	Jawaharlal Nehru Technological University	2001

Research Details:

1. Areas of Specialization	:	Nano materials
2. No. of Publications	:	16
3. Awards Received	:	Nil
4. Research Guidance		
	No. of PhD Guided:	Nil
	No. of MTech. Guided:	Nil
	No. of B.Tech. Guided:	Nil
5. Details of Professional Membership:		Nil
6. Subjects Taught	:	Applied Physics, Applied Physics Lab



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Publication Details:

Title	Publisher	Published Year
Indium Oxide: A transparent, conducting ferromagnetic semiconductor for spintronic applications	ELSEVIER	2016
Studies on ferromagnetic and photoluminescence properties of ITO and Cu doped ITO nanoparticles synthesized by solid state reaction	Spinger	2016
Microstructure, ferromagnetic and photoluminescence properties of ITO and Cr doped ITO nanoparticles using solid state reaction	ELSEVIER	2016
Room temperature ferromagnetism in ITO and Ni doped ITO	International Association of Advanced Materials	2016
Synthesis and characterization of (In _{0.90} Sn _{0.05} Ni _{0.05}) nanoparticles using solid state reaction method	AIP Publishing	2016
Raman and FT-IR Studies of (In _{0.90} Sn _{0.05} Fe _{0.05}) ₂ O ₃ Nanoparticles	AIP Publishing	2016
Effect of air annealing on structure and magnetic properties of Sn _{1-x} Fe _x O ₂ thin films	AIP Publishing	2016
Room temperature ferromagnetic and photoluminescence properties of Indium-Tin-Oxide nanoparticles synthesized by solid state reaction	Spinger	2017
Structural and magnetic properties of Cr doped SnO ₂ nanopowders prepared by solid state reaction.	Hal Open Science	2017
Structural, optical and magnetic properties of Fe ₂ O ₃ nanoparticles	Hal Open Science	2017
Structural and Optical Properties of Tin doped Indium Oxide Nanoparticles	International Journal of Technical Innovation in Modern Engineering & Science	2018
Study on MHD Boundary Layer Flow of A Visco-Elastic and Dissipative Fluid The Presence of Thermal Radiation	International Journal for Research in Engineering Application & Management	2018
Synthesis, structural, band gap and optical properties of Ba ₃ (PO ₄) ₂ hierarchical structural materials	Spinger	2022
Hyperfine structure measurements on a forbidden transition of Bi I using fourier transform spectroscopy	ELSEVIER	2023



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Investigations of the structural, spectral, dielectric, and electrical characteristics of l-histidine maleate-(1.5)-hydrate crystals for frequency conversion processes	Spinger	2024
Recent breakthroughs in through-space charge transfer in p-stacked molecules as thermally activated delayed fluorescent emitters for OLED applications	Royal society of Chemistry	2025

Patent Details:

Title of Patent	Submitted/Published/Awarded
NIL	NIL



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