Faculty Profile

Basic Information:

NAME	:	**Dr. L. Obulapathi**
DESIGNATION	:	**Associate Professor & HOD**
DEPARTMENT	:	**Humanities & Sciences (Physics)**
DATE OF BIRTH	:	**10.04.1969**
DATE OF JOINING	:	**18.08.2005**
EMAIL ID	:	**obulapathi.vlsi@gmail.com**
EMPLOYEE ID	:	**AITS991004**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	S.K. University, Ananthapur	2015
M.Tech.	Satyabhama University, Chennai	2010
M.Phil.	S.K. University, Ananthapur	2003
M.Sc (Physics)	S.V. University, Tirupati	1982
B.Sc	S.V. University, Tirupati	1990

Research Details:

1. Areas of Specialization :		Nano thin films
2. No. of Publications :		22
3. Awards Received :		
4. Research Guidance		
	No. of PhD Guiding:	3
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	
5. Details of Professional Membership:		

6. Subjects Taught	:	• **Engineering Physics** • **Applied Physics** • **Solid state Physics** • **Electronic Devices and Circuits** • **Environmental Science** • **Introduction to Quantum Technologies & Applications**

Publication Details:

Title	Publisher	Published Year
Effect of sputter power on red-shifted optoelectronic properties in magnetron sputtered Ag/ZnO thin films	Journal of Vacuum Science & Technology B	2024
Microwave Assisted Sintering of Sr-doped Zinc Titanate (Sr0.2Zn0.8TiO3) Nano-ceramics	Materials Science	2023
Synthesis, structural, band gap, and optical properties of Ba3(PO4)2 hierarchical structural materials	Journal of Materials Science: Materials in Electronics	2022
Dielectric and optical properties of zirconium titanate thin films by reactive DC magnetron co-sputtering	IEEE Transactions on Dielectrics and Electrical Insulation	2019
Investigations on physical properties of Mg ferrite nanoparticles for microwave applications	Journal of Microwave Power and Electromagnetic Energy	2019
Effect of Mg doping on physical properties of Zn ferrite nanoparticles	Journal of the Australian Ceramic Society	2018
Effect of post sputter annealing treatment on nano-structured cadmium zinc oxide thin films	Journal of Alloys and Compounds	2016
Effect of substrate temperature on structural and optical properties of reactive dc magnetron sputtered CdZnO thin films	Materials Today: Proceedings	2016
Structural, optical and electrical properties of heavy ion irradiated CdZnO thin films	Thin Solid Films	2016
Oxygen partial pressure on the structural and electrical properties of CdZnO thin films	AIP Conference Proceedings	2015
Structural, Electrical and Optical Properties of Cd Doped ZnO Thin Films by Reactive dc Magnetron Sputtering	JOM	2015
Synthesis and characterization of strontium doped zinc manganese titanate ceramics	Digest Journal of Nanomaterials and Biostructures	2015

Oxygen partial pressure on the structural and electrical properties of CdZnO thin films	Aip Conference Proceedings	2015
Structural and electrical properties of PbO - Doped SrTiO3 ceramics	Journal of Ovonic Research	2015
Room temperature studies of cr doped copper oxide thin films by reactive dc Magnetron sputtering	International Journal of Nanotechnology and Application	2014
Effect of Annealing Temperature on Structural, Electrical and Optical Properties of CuCrO2 Thin Films by Reactive dc Magnetron Sputtering	International Journal of Research in Pure and Applied Physics	2014
Synthesis and characterization of cdzno thin films by reactive dc Magnetron sputtering	International Journal of Nanotechnology and Application	2014

Patent Details:

Title of Patent	Submitted/Published/Awarded
Ppm-level hydrogen gas sensor based on nanostructured thin films	Published - 2023