



Ms. Nisha Joseph B.Ed,NET

Assistant Professor · Department Of Physics

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APPOINTMENT	Joined 3 October 2012 · Teaching 13 Years and 11 Months · Research 7 Years	
SPECIALISATION	Photocatalysis · Thin films	
RESEARCH INTERESTS	Opto electronic Applications of p type materials.	
COURSES HANDLED	Classical Mehanics · Quantum Mechanics · Nuclear Physics · Numerical Methods in Computational Physics.	
LABORATORIES	MSc Physics Electronics Practical	
QUALIFICATIONS	NET — Physical Science	2011
	UGC CSIR Rank 256/543	
	BEd — Physical Science	2006
	Mahatma Gandhi University Kottayam	
	MSc — Physics	2005
	Mahatma Gandhi University Kottayam	
EXPERIENCE	Assistant Professor Teaching	Oct 2012 – Present
JOURNAL PAPERS	[1] Nisha Joseph, Remya Ampadi Ramachandran, Alphonsa Paul, Saji Augustine, Tina Sebastian, “p-CuI/n-ZnO Heterojunction for Enhanced Dye Degradation in Water Treatment,” <i>Solid State Commun.</i>, vol. 406, 2025. doi: https://doi.org/10.1016/j.ssc.2025.116192. [2] Nisha Joseph, Tina Sebastian, Jilu C John, Alphonsa Paul, Jincemon Cyriac, Saji Augustine, “Exploring the photocatalytic potential of copper iodide thin films deposited via multiple spray technique,” <i>Appl. Surf. Sci. Adv.</i>, vol. 19, 2024. doi: https://doi.org/10.1016/j.apsadv.2023.100570. [3] Nisha Joseph, Tina Sebastian, Jilu C John, Saji Augustine, “Synthesis and characterization of sprayed Copper Iodide thin films on flexible substrate,” <i>AIP Conf. Proc.</i>, vol. 2263, 2020. doi: https://doi.org/10.1063/5.0017797.	

CONFERENCE PAPERS

- [1] Nisha Joseph, Tina Sebastian, Alphonsa Paul, Saji Augustine, "The Impact of Substrate Choice on the Photocatalytic Performance of CuI Films," in *International Conference on Innovative Materials (ICIM 2024)*, Dept of Physics and IQAC, St. Stephen's College, Uzhavoor, 21-22 November 2024.
- [2] Nisha Joseph, Tina Sebastian, Alphonsa Paul, Saji Augustine, "Probing the Applicability of CuI Thin Films in Photocatalytic Dye Degradation," in *International Conference on Advanced Materials (ICAM 2024)*, the Departments of Physics & Chemistry, Deva Matha College, Kuravilangad, 3-4 January 2024.
- [3] Nisha Joseph, Tina Sebastian, "p-CuI/n-ZnO Heterojunctions - Paving the Way for Enhanced Photocatalytic Dye Degradation in Water Treatment," in *National Conference on Functional Materials and Applications (NCFMA-2024)*, Cochin University of Science and Technology, 18-19 January 2024.
- [4] Nisha Joseph, Tina Sebastian, Jilu C John, Alphonsa Paul, Saji Augustine, "Photocatalytic studies of CuI thin films deposited on different substrates at room temperature," in *National Conference on Emerging Trends in Material Science (NCETMS 2022)*, St. Dominics College, Kanjirappally, 6-7 June 2022.
- [5] Nisha Joseph, Tina Sebastian, Jilu C John, Saji Augustine, "Synthesis and characterization of sprayed Copper Iodide thin films on flexible substrate," in *International Conference on Science and Technology of Advanced Materials (STAM 20)*, Mar Athanasius College, Kothamangalam, 14-16 January 2020.
- [6] Nisha Joseph, Tina Sebastian, Jilu C John, Saji Augustine, "Morphological and Compositional Study of Copper Iodide Thin Films," in *International Conference on Frontiers of Material science (FOMS-19)*, St. Joseph's College, Devagiri, Kozhikode, 16-18 December 2019.

TRAINING & FDPS

Refresher Course on Materials for Energy and Sustainability Refresher course · MMTC,CS2-IISER · Bhopal · Online	4/11/2024–18/11/2024, 2 Weeks
FDP on ICT and Internet of Things for Creating Smart Learning Environment FDP · St. George's College, Aruvithura	06/12/2021–12/12/2021
FDP on Nanomaterials Characterization Techniques and Results Analysis FDP · Sabitribai Phule Pune University · Online	27/07/2020–31/07/2020
FDP on Latex FDP · MarThoma College, Thiruvalla	17/08/2020–21/08/2020
Refresher Course in Materials Science Refresher course · UGC HRDC, University of Kerala, Trivandrum · Online	15/10/2020–28/10/2020
Orientation programme · UGC Human Resource Development Centre,University of Kerala · Kariavattom,Trivandrum · Offline	20/6-2018–17/07/2018, 4 Weeks
Refresher Course in Quantum Mechanics Refresher course · Bishop Moore College · Mavelikara · Offline	1/5/2017–14/5/2017, 2 Weeks

TALKS & EVENTS

FDP Organiser · St. George's College, Aruvithura	06/12/2021-12/12/2021
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CERTIFICATIONS

Semiconductor Optoelectronics NPTEL · 12 Weeks	2020
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MEMBERSHIPS

APT

Life Member

LANGUAGES

Malayalam · English · Hindi