BIODATA

Name: Aiswarya M.

Designation: Assistant Professor

Department: Instrumentation

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Academic Qualification: M.Tech in Applied Electronics and Instrumentation, B.Tech in Electronics and Instrumentation.

Experience:

- Teaching : 13 yrs (Dec/2010 onwards -)
- Industry : 1 year (2009-2010): Junior Engineer, Fluid Control Research Institute, Govt. of India.
- Research- Pursuing PhD in Optoelectronics at NIT Calicut.

Area of Interest/ specialisation – Analytical Instrumentation, Optoelectronic Instrumentation

Seminars/workshops Attended:

National: 4

Paper Presentations:

International: 5

National: 1

Responsibilities Undertaken (Official)

- Member, Board of Studies(BSC Instrumentation) University of Calicut (2023-24 onwards)
- Chairperson, Board of Studies(BSC Instrumentation) University of Calicut (2019-20 onwards)
- National Service Scheme Programme Officer (2017-18)
- Mentor for Scholar Support Programme, an initiative by Govt. of Kerala aimed to impart additional support to students in their weaker curricular area.
- Co-ordinator of Quiz and Debate Club at Institute level (2017)
- Member of Library and Discipline Committees at Institute level (2016)

Publications in Journals (Numbers) (Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors).

- "Novel supramolecular luminescent metallogels containing Tb(III) and Eu(III) ions with benzene-1,3,5-tricarboxylic acid gelator: advancing semiconductor applications in microelectronic devices", RSC Advances, 2024, 14, 12829–12840, DOI: 10.1039/d3ra07903a

- “A novel citric acid facilitated supramolecular Zinc(II)-metallogel: Toward semiconducting device applications”, Journal of Molecular Liquids, 375 (2023) 121348, https://doi.org/10.1016/j.molliq.2023.121348
- “A semiconducting supramolecular novel Co(II)-metallogel based on 5-aminoisophthalic acid gelator: Toward efficient microelectronic device application”, Chemical Physical Letters, 829 (2023) 140777 https://doi.org/10.1016/j.cplett.2023.140777
- “A multistimulus-responsive self-healable supramolecular copper(II)-metallogel derived from L-(+) tartaric acid: an efficient Schottky barrier diode”, New Journal of Chemistry, 2022,46, 17189, DOI: 10.1039/d2nj03086a

Book Published (Title with page No, book title, editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors).

- Dr. Nobert Thomas Pallath and Aiswarya M. (2020), ‘Sensors and Transducers’ Third semester Common course(For Programmes under LRP), Calicut University 2020, ISBN 978-93-9030259-8.

Membership in Professional Bodies

- Lifetime member of Teaching and Education Research Association (TERA), Eurasia Research
- Member of Raman International Optronics Society (RIOS)
- Member of Academic and Research Conglomerate