



Kumari Anamika, M.Sc.

Designation : Assistant professor

Department : Department of Basic Sciences and Humanities
(JOINED THE INSTITUTE IN 2020)

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RESEARCH INTERESTS

- ✓ Phyto chemical-mediated synthesis, characterization, and study of various medical applications of metal nanofluids.
- ✓ PVP-fullerene nanofluids synthesis and characterization for various medical applications.
- ✓ Isolation, identification, and molecular characterization of microorganisms isolated from industrial effluents and studying their heavy metal resistivity

Academic Qualifications

- ✓ M. Sc. (Industrial Biotechnology), Berhampur University, India
- ✓ Specialisation: Industrial Biotechnology
- ✓ B.Sc (Biotechnology), Berhampur University, India
- ✓ Specialization: Biotechnology

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching experience: 3.5 years
- ✓ Research experience: 2+ years

Conferences Attended

- ✓ International Conference on Research Innovations and Challenges, National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India, 19-21 January 2023.

- ✓ 24th Odisha Bigyan 'O' Paribesh Congress, Berhampur University in association with Orissa Environmental Society, 17-18 Dec. 2023.
- ✓ National Conference on Recent Advancement in Materials and Manufacturing, CIPET, Bhubaneswar, 02-03 Dec. 2023.

Paper Presented

- ✓ "*Plumeria pudica* Leaf Extract-Based Synthesis of Gold Nanofluids: Characterization and Evaluation of Antibacterial Activity" at a National Conference organized by CIPET, BBSR on 2nd November 2023.
- ✓ "Isolation, Identification, and Heavy Metal Toxicity Test of Microorganisms from Paper, Textile, and Paint Industry Effluents" at a National Conference organized by Berhampur University in association with Orissa Environmental Society, Bhubaneswar on 18th December 2023.

ANY OTHER

Award received

Received "Best Paper Presentation Award" in a national conference on Environmental Challenges: Role of Science and Technology organized by Berhampur University and Orissa Environmental Society on December 19, 2023.

Course attended

Bioinorganic Chemistry (NPTEL): Scored 77% and got an elite + silver type certificate

Seminars / FDP / Workshop

1. FDP on Advances in instrumental techniques for the identification and characterization of materials, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, 20-24 Sept. 2021.
2. Faculty Development Program on Spectroscopic Techniques & Instrumentation, NITTTR, Chandigarh, 23-27 May 2022.
3. FDP on Blogging and Social Media Etiquette, Silicon University, Bhubaneswar, 09 Sept. 2022.
4. 6-day FDP on Sustainable Chemistry for Environmental Protection, ITER, Siksha O Anusandhan, Bhubaneswar, 09-14 Jan. 2023.
5. 6-day FDP on Molecular Approaches in Plant Sciences for Bio-entrepreneurship, Human Resource Development Centre (HRDC), Berhampur University in association with PG Department of Botany, Berhampur University, 21-26 Aug. 2023.
6. FDP on Research Writing & Publication Process (organized by National Foundation for Entrepreneurship Development, NFED, Coimbatore, Tamil Nadu, India, 25-26 Nov. 2023.
7. 3-day workshop on Examination Reforms, AICTE, 01-03 Nov. 2021.

8. 2-day workshop on Antibacterial drug development tools and methods, ICMR - Regional Medical Research Centre, Bhubaneswar & Indian Public Health Association, 13-14 Sept. 2023.
9. Short-term training program on Patents, Department of Science and Technology, Govt of Odisha and Bhubaneswar City Knowledge Innovation Cluster Foundation (BCKIC), 21-22 March 2023.
10. Webinar on Ecosystem Restoration, Environmental Engineering Division Board of The Institution of Engineers, Kolkata, India, 05 June 2021.
11. E-Waste- A Challenge for Sustainable Development Webinar, organized by The Institution of Engineers, Faridabad, India, 03 July 2021.
12. National Seminar on Functional Materials for Emerging Technology, Silicon University, Bhubaneswar, 29-30 March 2024.

Training and Projects

- ✓ Training in Molecular Biology and Recombinant DNA Technology
- ✓ Projects on Isolation, Identification, and Molecular Characterization of microorganisms isolated from paper, paint, and textile industries
- ✓ Plant Tissue Culture