

Chandana Pramanik

Current Designation: Assistant Professor

Department: Chemistry

Date of Joining: 23.04.2010

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1. Academic Qualifications

| Degree | Institution | Year | Subject/Discipline |
|----------|---|------|--------------------|
| M.Sc | Vidyasagar University | 2006 | Chemistry |
| NET (LS) | Council of Scientific & Industrial Research | 2006 | Chemical Sciences |

2. Specialization and Area of Interests

Specialization: Physical Chemistry

Area of Interests: Design and synthesis of different drug.

3. Teaching Responsibilities

Chemical Kinetics, Kinetic Theory of Gas, Thermodynamics, Physical Kinetics, Solid State, Photochemistry

4. Publications

a. Research Papers in Journals

| Sl No. | Year/ Month | Title | Name of Journal | Volume / Page No. | Impact Factor |
|--------|---------------|---|-----------------|-------------------|---------------|
| 1 | March 7, 2022 | Instigating the In Vitro Anticancer Activity of New Pyridine-Thiazole-Based Co(III), Mn(II), and Ni(II) | JCIM | 62, 6, 1437–1457 | 5.5 |

| | | | | | |
|----|------------------------|--|---|-----------------------------|-------|
| | | Complexes: Synthesis, Structure, DFT, Docking, and MD Simulation Studies | | | |
| 2 | 3 August 2020 | Synthesis, structure elucidation and DFT study of a new thiazole-pyridine anchored NNN donor and its cobalt(II) complex: In-vitro antitumor activity against U937 cancer cells, DNA binding property and molecular docking study | Journal of Molecular Structure | Volume 1224 | 3.13 |
| 3 | 27 November 2019 | Monomeric and dimeric cadmium(II) complexes of S-alkyl/aryl dithiocarbazate as single-source precursors for cadmium sulfide nanoparticles: An experimental, theoretical interpretation in the stability of precursor and visible light dye degradation study | Inorganica Chimica Acta | Volume 501 | 2.304 |
| 4 | 1 December 2019 | The role of methyl and benzyl substituted dithiocarbazate of 2-acetyl pyridine for the formation of bridged dimeric and unbridged monomeric copper(II) complexes and catecholase mimetic activity of the complexes | Polyhedron | 176 | 2.343 |
| 5 | Accepted 30 March 2024 | Phenolate-thiazole based reversible “turn-on” chemosensor for the selective detection of carbonate anion: X-ray crystallography, DFT/TDFT, and cell study | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | 315 | 4.3 |
| 6. | 19th February 2023 | Recent synthetic journey on pyrrole-fused compounds | <i>New J. Chem.</i> , | 47 | 3.3 |

b. Book chapters

| Sl No. | Year/ Month | Book Title | Chapter Title | Editor/ Author | Publisher | ISSN/ ISBN No. |
|--------|-------------|----------------------------------|-------------------------------------|----------------------------|-------------|-------------------|
| 1 | 2023 | Current Developments In Chemical | Carbonate sensing ligands and their | AUTHOR - CHANDANA PRAMANIK | LAP LAMBERT | 978-620-6-18301-3 |

| | | | | | | |
|---|------|---|--|----------------------------|--|-------------------|
| | | Science: Few Relevant Issues | application in detection of carbonate anion in aqueous medium | | | |
| 2 | 2024 | Science and enovation volume-1 | | AUTHOR - CHANDANA PRAMANIK | LAP LAMBERT | 978-620-7-47502-5 |
| 3 | 2024 | FUTURISTIC TRENS IN CHEMICAL, MATERIAL SCIENCE& NANO TECHNOLOGY | DIFFERENT TYPES OF CHEMOSENSOR USED TO DETECT FLUORIDE ION WATER MEDIUM. | AUTHOR - CHANDANA PRAMANIK | IIP (ITERATIVE INTERNATIONAL PUBLISHERS) | 978-93-5747-881-6 |

5. Oral/Poster Presentations

| Sl No. | Date | Title | Title of Conference | Organised By |
|--------|------------------------|---|--|--|
| 1 | AUGUST. 02,03. 2019 . | Monomeric and dimeric cadmium(II) complexes as single-source precursors for CdS semiconductor nanoparticle: An experimental, theoretical interpretation in the stability of precursor and visible light dye degradation | International Syposium on Recent Advances in Chemistry and Material Sciences(2019) and The Celebration of the International Year of the Periodic Table | Indian Chemical Society and Chemical Sciences, Shaha Institute of Nuclear Physics. |
| 2 | 23&24TH December, 2022 | Synthesis and Characterization of Biologically Potent Thiazole-Benzothiazole Ligand and its | International Conferrence on Nanotechnology (ICNT-2022) | Institute of Fire and Safety Engineering. Haldia Brajalalchak Welfare Organization |

| | | | | |
|---|-----------------------|--|---|---|
| | | NI(II),Zn(II) & Cd(II) Complexes. | | |
| 3 | December, 8-9,2023 | Selective carbonate ion sensing through the quinonoid intermediate of a phenolate- thiazole and carbonate adduct: X-Ray Crystallography, DFT/TDFT, mechanistic pathway and cell imaging study” | International Conference on Material for sustainable energy, environment & health | PANDIT DEENDAYAL ENERGY UNIVERSITY |
| 4 | 23/12/2023-24/12/2023 | Imidazole base highly selective and sensitive carbonate sensing ligand design, synthesized | International Conference on Health, Safety and Environment (HSE-2023) | Institute of Fire and Safety Engineering. Haldia Brajalalchak Welfare Organization |
| 5 | 05/01/2024 | Design,Synthesized and Characterization of Thiadiazole-based Carbonate Anion Sensor in living cell. | ONE-DAY INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN CHEMISTRY AND CHEMISTRY-BIOLOGY INTERFACE | Department of Chemistry ,Vivekananda Satavarshiki Mahavidyalaya.Mani kpara,Jhargram,West Bengal |

6. Conferences/Seminars/Symposia/Workshops Attended

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|---|------------|------------|--|--------------------------------------|-------------|
| 1 | 4/08/2023 | 4/08/2023 | The newly introduced UG chemistry syllabus (nep) | Scottish Church College | participant |
| 2 | 25/04/2024 | 25/04/2024 | A ONE DAY WORKSHOP ON AI FOR EVERY ONE | BHAWANIPUR EDUCATION SOCIETY COLLEGE | participant |

7. Membership in Academic Bodies

Life Member of Indian Association for the Cultivation of Science, Kolkata

8. Administrative Responsibility

i) Member, Kanyasree Sub-committee

ii) Scholarship sub-committee