

CURRICULUM VITAE



Name: DR. ANAMIKA DHARA

Current position: State Aided College Teacher (SACT I), Department of Chemistry, Hiralal Mazumdar Memorial College for Women, Dakshineswar, Kolkata-700035, West Bengal, India, since 1st January, 2020.

Qualification: M.Sc, Ph,D

Email: anamikadhara@gmail.com / anamikaorganic78@gmail.com.

Teaching Area: Organic Chemistry

Professional Experiences

(i) **Guest Lecturer**, Department of Chemistry, Hiralal Mazumdar Memorial College for Women, Dakshineswar, Kolkata from December 2018 to December 2019.

(ii) **Guest Lecturer**, Department of Chemistry, Vidyasagar College for Women (UG), Kolkata, India from September 2015 to August 2018,

(iii) **Guest Lecture**, Department of Chemistry, Sarojini Naidu College for Women (UG), Kolkata, India from December 2014 to February 2016.

Research Interest

Post-Doctoral Research

Title: Design and Syntheses of Novel Luminescent probes for the Rapid Detection of Biologically Important Metal Ions and Their Different Application.

Mentor: Prof. Dr. Subhash Chandra Bhattacharya, Department of Chemistry, Jadavpur University, Jadavpur, Kolkata

Doctoral Research

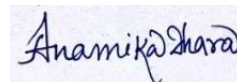
Title: Design, Synthesis And Application Of Some New Rhodamine Based Chemosensors.

Supervisors: Prof. Dr. Susanta Kumar Kar and Prof. Dr. Nikhil Guchhait, Department of Chemistry, University of Calcutta (C. U.).

List of Publications

1. B. Das, M. Dolai, **A. Dhara**, A. Ghosh, S. Mabhai, A. Misra, S. Dey and A. Jana, "Solvent-Regulated Fluorimetric Differentiation of Al^{3+} and Zn^{2+} Using an AIE-Active Single Sensor" **J. Phys. Chem. A** 125 (2021) 1490-1504. *IF: 2.781*
2. S. Ghosh, D. Singharoy, **A. Dhara**, J. P. Naskar, and S. C. Bhattacharya, "Non ionic surfactants as potential carrier of a synthesized pyrimidine derivative: Spectroscopic and quantum chemical investigations" **European Journal of Inorganic Chemistry** (2018) issue 23 2695-2701 *IF: 2.524*.
3. **A. Dhara**, N. Guchhait, and S. C. Bhattacharya, "An efficient pyrimidine-based colorimetric chemosensor for naked-eye recognition of copper in aqueous medium" **Journal of the Indian Chemical Society** 93 (2017) 115-123. *IF: 0.284*.
4. **A. Dhara**, N. Guchhait, I. Mukherjee, A. Mukherjee and S. C. Bhattacharya, "A novel pyrazole based single molecular probe for multi-analyte (Zn^{2+} and Mg^{2+}) detection in human gastric adenocarcinoma cells" **RSC Advances** 6 (2016) 105930-105939. *IF: 3.361*.
5. **A. Dhara**, N. Guchhait and S. K. Kar, "A Novel Cr^{3+} Fluorescence Turn-On Probe Based on Rhodamine and Isatin Framework". **Journal of Fluorescence** 25 (2015) 1921-1929. *IF: 2.217*.
6. **A. Dhara**, N. Guchhait and S. K. Kar, "Off-on switchable chemosensor based on rhodamine armed with morpholine moiety" **Journal of Luminescence** 168 (2015) 283-287. *IF: 3.599*.
7. **A. Dhara**, A. Jana, S. K. Mandal, A. R. Khuda-Bukhsh, N. Guchhait, S. K. Kar, "A unique rhodamine-Based 'off-on' molecular spy for selective detection of trivalent Aluminium and Chromium ions: Synthesis, crystal structure and spectroscopic properties along with living cell imaging" **Inorganica Chimica Acta** 423 (2014) 454-461. *IF: 2.545*.
8. **A. Dhara**, A. Jana, N. Guchhait and S. K. Kar, "Isatin appended Rhodamine scaffold as an efficient chemical tool to detect selectively Al^{3+} " **Journal of Luminescence** 154 (2014) 369-375. *IF: 3.599*.
9. **A. Dhara**, A. Jana, N. Guchhait and S. K. Kar, "Rhodamine-based molecular clips for highly selective recognition of Al^{3+} ions: synthesis, characterization and spectroscopic properties" **New Journal of Chemistry** 38 (2014) 1627. *IF: 3.591*.
10. **A. Dhara**, A. Jana, S. Konar, S. Ghatak, S. Ray, K. Das, A. Bandyopadhyay, N. Guchhait and S. K. Kar, "A novel rhodamine-based colorimetric chemodosimeter for the rapid detection of Al^{3+} in aqueous methanol: Fluorescent "OFF-ON" mechanism". **Tetrahedron Letters** 54 (2013) 3630-3634. *IF: 2.415*.

Date: 25/06/2023



Signature