

Dr. Kamala Rani Bhattacharyya

Date of birth: 06-10-1969

Current position: Assistant Professor of Chemistry, Raiganj Surendranath Mahavidyalaya

Major research interest(s)/ Fields of specialization:

Specialization in physical chemistry

Research interest in photochemistry and surface chemistry

Education:

Degree	Year	University/College
B.Sc (Hons. in Chemistry)	1991	Lady Brabourne College (Calcutta University)
M.Sc (Chemistry, specialization in Physical Chemistry)	1993	Calcutta University
Ph.D (Chemistry)	2000	Jadavpur University

* GATE, NET & SLET qualified

Teaching experience:

Presently working as Assistant Professor in Department of Chemistry, Raiganj Surendranath Mahavidyalaya since 24.05.05.

Guest Lecturer in Raiganj University since January 2016

Worked as lecturer on contract basis, Netaji Nagar College Kolkata (22.05.02 to 23.05.05).

Worked as part-time lecturer, Bidhannagar Govt. college (02.07.02 to 23.05.05).

Worked as part-time lecturer, Dinabandhu Andrews College, Kolkata (02.09.02 to 23.05.05).

Worked as lecturer on contract basis from P.S.C selection, A.B.N.Seal College, Cooch Behar (9.02.01 to 8.02.02).

Worked as lecturer on part-time basis, Bijoy Krishna Girls College, Howrah (02.07.2000 to 07.02.01).

Title of Ph.D. Thesis:

Photophysical and thermodynamic studies of surfactants in solutions.

Year: 2000 ; **University:** Jadavpur University.

Administrative Experience:

Presently acting as Coordinator of IQAC of Raiganj Surendranath Mahavidyalaya

Participation in workshop / orientation & refresher programme:

Participated in Refresher course organised by Jadavpur University (02.01.15 to 22.01.15).

Participated in Workshop organised by Raiganj Surendranath Mahavidyalaya (05.09.12 to 11.09.12)

Participated in Orientation course by Jadavpur University. (09.06.08 to 06.06.08).

Participation in international/national/state- level conferences

Workshop organised by North Bengal University (Recent Trends in Chemistry; November 11-12, 2011)

U.G.C sponsored National Seminar on "Frontier of Chemistry", (15-16 November) organised by Gour Mahavidyalaya. (Presented paper).

U.G.C sponsored seminar on "Green Chemistry for environmentally benign chemical system" organised by Raiganj Surendranath Mahavidyalaya (14.02.12-15.02.12) (as Convenor).

U.G.C sponsored National Seminar on "Biodiversity and Sustainability vis-a-vis Economic Development In the Northern Parts of West Bengal" in Raiganj Surendranath Mahavidyalaya (26th and 27th August, 2012) (Presented paper).

State level workshop on CAS organised by Shree Agrasen Mahavidyalaya (14.02.15).

International seminar on "Bangla Bhasa o Sahitye- Nana Charcha" organised by Samsi College (17.02.15).

22nd West Bengal Science Congress 2015 organised by North Bengal University (28.02.15 to 01.03.15).

National seminar on "Different Horizons of Lokosanskriti" Organised by Raiganj Surendranath Mahavidyalaya & Folklore Congress Association of India (2.05.15 to 3.05.15).

International Seminar on "The Renaissance Across Continents and Cultures: A Trans- disciplinary Perspective" organised by Samsi College (09.01.16).

Publications:

Acharya, K.R., Bhattacharyya, S.C. and Moulik, S.P. (1997) Salt effects on surfactant on surfactant aggregation and dye-micelle complexation. *Indian J. Chem. (A)*, 36: 137-143.

Acharya, K.R., Bhattacharyya, S.C. and Moulik, S.P. (1997) The surfactant concentration- dependent behaviour of Safranin T in Tween (20, 40, 60, 80) and Triton X-100 micellar media. *J. Photochem. Photobiol. (A)*, 109: 29-34.

Acharya, K.R. and Bhattacharyya, S.C. (1998) Solvent parameters (Kosower Z, ET (30) and Dielectric Constant) of ionic and non-ionic micelles in aqueous carbohydrate (glucose and sucrose) medium. *J. Surf. Sci. Technol.*, 14: 35.

Acharya, K.R., Bhattacharyya, S.C. and Moulik, S.P. (1999) Effects of carbohydrates on the solution properties of surfactants and dye-micelle complexation. *J. Photochem. Photobiol. (A)*, 122:47-52.

Acharya, K.R., Bhattacharyya, S.C. and Moulik, S.P. (2000) Effects of urea and thiourea on the absorption and fluorescence behaviour of the dye Safranin T in micellar media. *J. Mol. Liquids*, 87: 85-96.