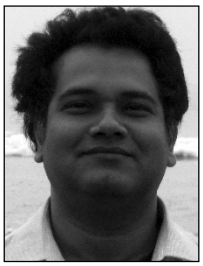

Dr. SUBHODIP SAMANTA

Designation: Assistant Professor in Chemistry
Qualifications:

- M.Sc. (Burdwan University), Ph.D. (Calcutta University)
- Title of thesis (Ph.D.) with year: "Photophysical Aspects of Supramolecular Systems with Special Emphasis on Photoinduced Electron Transfer (PET) and Energy Transfer (ET)" (2008)

About Me:
Experience / Expertise:
Presently working as an Assistant Professor in Chemistry since Jun, 2009. Did my research/Ph.D. work as a full-time research scholar (CSIR-NET JRF and SRF) for 6 years (2002-2008) and completed my Ph.D. thesis from Presidency College. Presently engaged in teaching Physical Chemistry in Maulana Azad College, Kolkata.

Specialisation, Area of Interests & Current Teaching:
Specialisation – Physical Chemistry;
Areas of Interest – Thermodynamic, Quantum Chemistry, Molecular Spectroscopy, Application of Computers in Chemistry

Research Interests: Nanosensors and their interaction with biomolecules to understand different biochemical processes.

Research Projects –UGC Minor Research Project (F. PSW-054/14-15 (ERO) dated: 03.02.2015) entitled **"Photophysical Studies of Luminescent Nanosensors Based on Fluorescence Resonance Energy Transfer (FRET)"-** Duration 19.06.2015-18.06.2017, Status: Completed

Selected Publications:

- ***Papers***

TITLE	YEAR
Selective fluorescence swing from cysteine to glutathione by switchover from solid to in situ probe in 100% water and bio-imaging studies for living species S Das, Y Sarkar, S Mukherjee, J Bandyopadhyay, S Samanta, PP Parui, ... Sensors and Actuators B: Chemical 209, 545-554	2015
A cyanide selective off–on fluorescent chemosensor with in vivo imaging in 100% water: solid probe preferred over in situ generation S Das, S Biswas, S Mukherjee, J Bandyopadhyay, S Samanta, ... RSC Advances 4 (19), 9656-9659	2014
Interaction of the excited state intramolecular proton transfer probe 3-hydroxy-2-naphthoic acid with poly N-vinyl-2-pyrrolidone polymer in water: An insight into the water ... A Pal, SS Maity, S Samanta, PS Sardar, S Ghosh Journal of Luminescence 130 (11), 1975-1982	2010
Fluorescence, anisotropy and docking studies of proteins through excited state intramolecular proton transfer probe molecules SS Maity, S Samanta, PS Sardar, A Pal, S Dasgupta, S Ghosh Chemical Physics 354 (1-3), 162-173	2008
Photoinduced energy transfer from the triplet state of naphthalene moiety in the Tb {sup 3+}/Eu {sup 3+} complexes of a specially designed naphthalene cryptand S Samanta, A Pal, M Basu Roy, S Ghosh	2008

TITLE	YEAR
Photoinduced energy transfer from the triplet state of naphthalene moiety in the Tb3+/Eu3+ complexes of a specially designed naphthalene cryptand S Samanta, A Pal, MB Roy, S Ghosh Journal of Luminescence 128 (10), 1689-1700	2008
Dependence of photoinduced energy transfer on orientation of acceptor lanthanide ions with respect to π-plane of naphthalene in naphthalene-linked six-member crown ethers PS Sardar, S Samanta, MB Roy, S Ghosh Molecular Physics 106 (6), 827-840	2008
Energy transfer photophysics from serum albumins to sequestered 3-hydroxy-2-naphthoic acid, an excited state intramolecular proton-transfer probe PS Sardar, S Samanta, SS Maity, S Dasgupta, S Ghosh The Journal of Physical Chemistry B 112 (11), 3451-3461	2008
Simultaneous emissions from T {sub 2} and T {sub 1} states of naphthalene moiety in a specially designed naphthalene cryptand S Samanta, MB Roy, M Chatterjee, S Ghosh	2007
Simultaneous emissions from T2 and T1 states of naphthalene moiety in a specially designed naphthalene cryptand S Samanta, MB Roy, M Chatterjee, S Ghosh Journal of luminescence 126 (1), 230-238	2007
Comparative photophysical behaviour of naphthalene-linked crown ethers and aza crown ethers of varying cavity dimensions S Samanta, PS Sardar, SS Maity, A Pal, MB Roy, S Ghosh Journal of Chemical Sciences 119 (2), 175-183	2007
Photophysical aspects of supramolecular systems with special emphasis on photoinduced electron transfer PET and energy transfer ET S Samanta Kolkata	2007
Time resolved studies of dual emission and photoinduced energy transfer in a Tris methoxy coumarin derivative of a cryptand and its complex with Tb (NO3) 3 S Samanta, MB Roy, S Ghosh Chemical physics 328 (1-3), 392-402	2006
Exciplex emission and photoinduced energy transfer as a function of cavity dimension in naphthalene-linked aza-crown ethers MB Roy, S Samanta, G Chattopadhyay, S Ghosh Journal of luminescence 106 (2), 141-152	2004

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Professional Memberships and Activities:

1. Life Member of Indian Association for the Cultivation of Science library
2. Life Member of Indian Science Congress Association