

Faculty Name: Dr. SANDIP GHOSH, HOD Engg. Chemistry & Environmental Science and Deputy Registrar

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Date of Birth: 01/09/1961

Education:

B.Sc. Chemistry (Hons)	2 nd Class
M.Sc (Pure Chemistry , Analytical Chemistry Spl)	2 nd Class
Ph.D. (Marine Science)	

Work Experience:

R&D Chemist and QC in-Charge	The Sundarban Aquatic farm (Pvt) Ltd.	Apr,1993 - Jun,1994
Consultant	Sanpo Fisheries Ltd.	Jun,1994 - Nov,1994
Assistant Manager (Quality Control)	ACC Ltd. (Synthetic Ferric Oxide Plant, Falta, 24 Pgs (South) & Advanced Material Business Group, Salt lake City, Kolkata)	Mar,1995 – Nov,2001
Assistant Professor& HOD	BPPIMT	Jan, 2002 – till date
Additional responsibility: Deputy Registrar	BPPIMT	14 th Aug ,2008 – till date

Current Research Interest:

- Solid Waste Management
- Carbon sequestration in Mangrove ecosystem

Current Teaching Interest

- Industrial chemistry
- Electrochemistry
- Sustainable Development.
- Ecology

Professional Societies:

- Life member, Indian Chemical Society, Kolkata
- Founder member, Concern for Better Living, an NGO working towards creating awareness on various environmental issues.
- Executive member of an NGO, Bhatbandh Institute of Rural Reconstruction and Social Research, Purulia, West Bengal.

Research Experience:

- Acting as Co-Principal Investigator(CO PI) for a research project, "Foraminiferal calcium carbonate pump response to temporal changes of carbon dioxide systems in the Sundarban mangrove environment, North-East coast of Bay of Bengal India." funded by Department of Science and Technology, Govt. Of India and implemented in The Deptt of marine Science, Calcutta University since May, 2008.
- Seven years (June 1985 to November1992) research experience on the environmental chemistry of the Hugli estuarine complex as supported by publications in reputed journals and ten years research experience in Industrial R&D.

LIST OF PUBLICATIONS (Journals)

1. (Communicated) "Comparative analyses of Phytoplankton dynamics on decadal scale at the land-ocean boundary condition of a tropical Mangrove Ecosystem", submitted to Estuaries and Coasts. The manuscript number is ESCO-D-08-00134R1,2008.
2. Chemical composition and solubility of biogenous calcium carbonate in the estuarine waters of the Hugli river, India, Indian Journal of Marine Sciences, Vol.24, September 1995, 128 - 132.
3. Apparent dissociation constants of carbonic acid in estuarine water at different salinities and temperatures, Indian Journal Of Marine Sciences, Vol.23, June 1994, 126 - 128.
4. Boron-Boric acid complexes in estuarine water of river Hugli ,East Coast of India, Indian Journal Of Marine Sciences,Sep.1993,22:225 -226.
5. Calcite and aragonite saturation in the Hugli estuary (Bay of Bengal), 1992, Indian Journal Of Marine Sciences, 21:207 -209.
6. Distribution of nutrients in estuarine waters of Hugli river, 1992, International Society For Tropical Ecology, 33(1):72 -77.
7. Study of diffusion of oxygen between atmosphere and surface water in the Hugli estuary, 1992, Indian Journal of Marine Sciences, 33(2):186 -190.
8. Oxygen deficiency in Hugli Estuary, September, 1992, Indian Journal of Marine Sciences, 20, 216-217.
9. Semi-conservative behaviour of Ca and Mg in Hugli estuary , East Coast of India, September, 1991,Indian Journal of Marine Sciences,20,218 -220.
10. Size-fractionated primary productivity in Hugli estuary, Dec, 1991, Mahasagar, 24(2), 127-131.
11. Extinction co-efficient and primary productivity in the mixing zone of Hugli estuary, 1991, Journal of Aqua-culture in the Tropics, 5, 201 -206.

12. Phytoplankton bloom in the Hugli estuary, June, 1991, Indian Journal of Marine Sciences, 20, 134-137.
13. Distribution co-efficient of Magnesium Between biogenous calcium carbonate and ambient waters of Sundarban mangrove ecosystem, India, 1988, The Philippine Journal Of Science, 117,395 -399.
14. Comparative study of carbon dioxide system in virgin and reclaimed mangrove waters of Sundar- bans during freshet, 1987, Mahasagar- Bulletin of the National Institute of Oceanography, 20(3), 155 -161.