

Curriculum vitae

1. Name : Dr. Swapan K. Saha
2. Department /University : Department of Chemistry,
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3. Present position : Professor (since January, 2000.)
4. Date of birth : January 06, 1951.
5. Research/Teaching Experience : More than 30 years in the University.
6. Post Graduate Degree : M.Sc. (Chemistry), University of North Bengal.
Year: 1972
Specialisation: Physical Chemistry
7. Ph.D. Thesis : Studies on the behaviour of inorganic and
Organic ions towards some polyelectrolytes.
University of North Bengal. Year: 1980.
8. Post Doctoral Research : Spin trapping and ESR spectroscopy of Trapped
Radicals. University of Essex, United Kingdom
as a Commonwealth Academic Staff Fellow.
Year: 1988-1989. Fellowship awarded by Com-
monwealth Commission, London
9. Major scientific field of interest : Polymer and Surface Chemistry,
Electrochemistry, Spectroscopy
and Group theory

List of publication since 2009

1. Formation, thermodynamic properties, microstructures and antimicrobial activity of mixed cationic/non-ionic surfactant microemulsions with isopropyl myristate as oil, S. Bardhan, K. Kundu, Sajal Das, Madhumita Poddar, S. K. Saha*, B. K. Paul*, *J. Colloid Interface Sc.*, 2014, 430, 129–139.
2. Effect of water content and oil on physicochemical and microenvironmental properties of mixed surfactant microemulsions, S. Bardhan, K. Kundu, S. K. Saha*, B. K. Paul*, *Colloid Surfaces A.*, 2014, 450, 130-140.
3. Physicochemical studies of water-in-oil nonionic microemulsion in presence of benzimidazolebased ionic liquid and probing of microenvironment using model C–C cross coupling (Heck) reaction, B. Kar, S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, S. Das*, *RSC Adv.*, 2014, 4, 21000–21009.
4. Water solubilization, conductivity and structural characteristics of single and mixed surfactant water-in-oil microemulsions in absence and presence of ionic liquids, K. Kundu, S. Bardhan, S. K. Saha*, B. K. Paul*, *Fluid Phase Equilibria*, 2014, 361, 237-249.
5. Physicochemical Investigation of Mixed Surfactant Microemulsion: Water Solubilization, Thermodynamic Properties, Microstructure and Dynamics, S. Bardhan, K. Kundu, S. K. Saha*, B. K. Paul*, *J. Colloid Interface Sc.*, 2013, 411, 152–161.
6. Physicochemical Studies of Mixed Surfactant Microemulsions with Isopropyl Myristate as Oil, S. Bardhan, K. Kundu, B. K. Paul*, S.K. Saha*, *J. Colloid and Interface Science*, 2013, 402, 180-189.

7. Interfacial composition and characterization of a quaternary water-in-oil mixed surfactant (cationic of different alkyl chain lengths + polyoxyethylene type nonionic) microemulsions in absence and presence of inorganic salts, S. Bardhan, B. K. Paul*, S. K. Saha*, *Colloid Surfaces A.* , 2013, 433, 219-229.
8. Intermolecular Interaction in 2-Aminopyridine: A Density Functional Study, M. Majumder, T. Goswami, A. Misra*, S. Bardhan, S. K. Saha*, *Commun. Comput. Chem.* 2013, 1, 225-234.
9. Cyclic voltametric investigation of thiazine dyes on modified electrodes. Amitabha Chakraborty, Shamsuzzaman Ahmed, Subrata Pal and Swapan K. Saha*, *ISRN Electrochemistry*, 2013, [dx.doi.org/10.1155/2013/959128](https://doi.org/10.1155/2013/959128)
10. Effect of Colloidal Silica on the Spectral Behaviour of 7-Hydroxycoumarin in Aqueous Medium. Moumita Chakraborty, Soumik Bandhan, Amiya K. Panda* and Swapan K. Saha* *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2012, 97, 722-727.
11. Effect of solvent characteristics on the photophysics of hydroxyl aromatic compounds. Moazzam Ali, Susanta K. Das and Swapan K. Saha*, *J. Solution Chemistry* ,2011, 10, 299-306.
12. Molecular interaction of organic dyes in bulk and confined media, Amitabha Chakraborty, Moazzam Ali and Swapan K. Saha*. *Spectrochimica Acta A.* 2010, 75, 1577-1583
13. Surface and bulk properties of dodecylbenzenesulphonate in aqueous medium: Role of the nature of counter ions. Subrata Chakraborty, Amitabha Chakraborty, Moazzam Ali, Swapan K. Saha.* *Journal of Dispersion Science and Technology* 2010, 31, 209-215.

14. Electrochemical studies of progressively alkylated thiazine dyes on a glassy carbon electrode (GCE) in water, ethanol, and triton X-100 media, Amitabha Chakraborty, Samsuzzaman Ahmed, and Swapan K. Saha*. "Sir William A. Wakeham Festschrift" Special issue of *J. Chem. Eng. Data* 2010, 55, 1908-1913.
15. Thermodynamics of micellisation of ammoniumdodecyl sulfate in aqueous solutions of symmetrical tetraalkylammonium bromides: Clouding in presence of tetrabutylammonium bromide salt. Moazzam Ali, Amitabha Chakraborty, Soumik Bardhan and Swapan K. Saha* *Journal of Dispersion Science and Technology*, 2010, 31, 122-129.
16. Water-soluble co-polymers of acrylamide with N-(1, 1-dimethyl-3-oxybutyl) acrylamide and N-tert-butylacrylamide on aqueous vermiculite microenvironment: Synthesis and Characterisation. Bidyut Debnath, Goutam Bit and Swapan K. Saha*. *Journal of Surface Science and Technology*. 2010, 26, 23-38.
17. Redox polymerization of acrylamide in aqueous vermiculite clay environment: Kinetics and mechanism. Bidyut Debnath, Goutam Bit and Swapan K. Saha*. *Journal of Surface Science and Technology*. 2010, 26, 39-61.
18. Solution properties of polymer-nonionic surfactant mixed system,.Goutam Bit, Moazzam Ali, Bidyut Debnath and Swapan K. Saha.* *Journal of Dispersion Science and Technology*, 2010, 31, 1-6.
19. Hydrogen-bond-induced microstructural transition of ionic micelles in the presence of neutral naphthols: pH dependent morphology and location of surface activity. Moazzam Ali, Mrinmoy Jha, Susanta K. Das and Swapan K. Saha.* *J. Phys. Chem. B* 2009, 113, 15563–15571
20. Free radical cross-linking copolymerisation of acrylamide and N,N' methylene- bis- acrylamide by using Fe (III)/thiourea and Ce (IV)/thiourea redox initiator systems. Bidyut Debnath, Goutam Bit and Swapan K. Saha*, *Indian J. Chem. Technol.* 2009, 16, 196-199.

CHAPTER IN A BOOK

21. Ali, M. and Saha, S. K. (2010) Hydrogen-Bonded Large Molecular Aggregates of Charged Amphiphiles and Unusual Rheology: Photochemistry and Photophysics of Hydroxyaromatic Dopants, in *Hydrogen Bonding and Transfer in the Excited State, Volume I & II* (eds K.-L. Han and G.-J. Zhao), John Wiley & Sons, Ltd, Chichester, UK. doi: 10.1002/9780470669143.ch31

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22. Goutam Bit and Swapan K. Saha* (2010) Synthesis and Solution Properties of Water Soluble Polymers: Synthesis of High Molecular Weight Polyacrylamide in Vermiculite Environment and its Behaviour in Solution: Effect of Surfactant : *VDM Verlag Dr. Müller, Germany. ISBN-10: 3639273532*
 23. Amitabha Chakraborty, Swapan K. Saha* (2010) Surfactant Aggregation and Behaviour of Dyes in the Organized Media : *VDM Verlag Dr. Müller, Germany. ISBN: 978-3-639-29499-6*
 24. Palas Bera, Goutam Bit, Swapan K Saha* (2011) Polyacrylamide: Clay-catalyzed Synthesis and Its Solution Properties: *VDM Verlag Dr. Müller e.K., 2011, Germany.*
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