



Dr Someswar Chatterjee
Associate Professor in Chemistry

DOB: 11.01.1976
DOJ: 22.09.2005

Contact: Mob (Whatsapp): 7908544018
Email: someswar_76@yahoo.com

Academic: M.Sc (1999, The University of Burdwan, Special Paper –Physical Chemistry)
Ph.D (2009, Visva-Bharati)

Research :

A) Ph.D

Institute	Year of Award	Supervisor	Title of the thesis
Visva-Bharati	2009	Professor Indra N. Basumallick	Thermodynamic Studies of Solute-Solvent Interactions in Some Protein Stabilizing Media

B) UGC sponsored Minor Research Project:

Sl.No.	Title	Sanction letter No. and date	Year	
			Started	Completed
1	Thermodynamic Studies on Solute-Solvent Interaction in Protein Denaturing and Stabilizing Media	F.PSW.102/06-07 dated 10.02.2007	28.04.07	24.04.09

2	Biogenic Synthesis of Silver Nanoparticles using plant extracts and its Antimicrobial activities: A Comparative Study	F.PSW.124/11-12 dated 25.01.2012	04.03.12	04.09.14
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C) Guided Project work for M. Sc. in Chemistry:

Sl. No.	No. of student	Institution of the student	Title of the Project work	Year
1	1	GERF, (Acredited Institution of University of Mysore) Kalyani, Nadia, WB	Correlation between hardness and basicity (pKa) of substituted anilines”	2009

D) Publications:

Title	Name of the authors	Name of the Journal	Year, Volume and Pages
Biogenic synthesis of siver nanoparticles using guava (<i>Psidium guajava</i>) leaf extract and its antibacterial activity against <i>Pseudomonas aeruginosa</i>	Debadin Bose, Someswar Chatterjee	Applied Nanoscience	2016, 6:895-901
Antibacterial Activity of Green Synthesized Silver Nanoparticles Using Vasaka (<i>Justicia adhatoda L.</i>) Leaf Extract	Debadin Bose, Someswar Chatterjee	Indian Journal of Microbiology	2015, 55:163-167
A Microbial Fuel Cell for Starch Oxidation Fuel Cells	S. Ghosh, <u>Someswar Chatterjee</u> , M.Chatterjee, Susanta Ghosh, Indra N Basumallick	ECS Transaction	2012, 41: 37-43
Correlation between hardness and basicity (pKa) of substituted	A.Das, <u>Someswar Chatterjee</u>	Physical Chemistry:	2009, 4: 39-43

anilines		An Indian Journal	
Transfer thermodynamics of protein in denaturing and stabilizing media	<u>Someswar Chatterjee</u> , I. Basumallick	Journal of Chinese Chemical Society	2008, 55: 17-22
Denaturation of Lysozyme in aqueous urea and degree of exposure	<u>Someswar Chatterjee</u> , I. Basumallick	Biochemistry: An Indian Journal	2007, 1: 144-148
Transfer thermodynamics of some amino acids in a protein stabilizing and a denaturant media	<u>Someswar Chatterjee</u> , I. Basumallick	Biochemistry: An Indian Journal	2007, 1: 83-87
Thermodynamic studies on amino acid solvation in aqueous urea	<u>Someswar Chatterjee</u> , I. Basumallick	Journal of Chinese Chemical Society	2007, 54: 667-672
Organic polymer gel electrolyte for Li-ion batteries	I.Basumallick, P. Roy, A. Chatterjee, A. Bhattacharya, <u>Someswar Chatterjee</u> , Susanta Ghosh	Journal of Power Source	2006, 162: 797-799
Thermodynamic studies on amino acid solvation in some aqueous alcohols	P. Das, <u>S. Chatterjee</u> , I. Basumallick,	Journal of Chinese Chemical Society	2004, 51: 1-6
Expanded graphite as an electrode material for an alcohol fuel cell	A. Bhattacharya, A. Hazra, <u>Someswar Chatterjee</u> , P. Sen, S. Laha, I.Basumallick;	Journal of Power Source	2004, 136:208-210