

Curriculum Vitae

Srabasti Chakraborty

Present Position: Assistant Professor in Chemistry (20 th April 2010 - till date)

Behala College, Behala, Kolkata-700060

Previous Position: Lecturer in Chemistry (February 2008 – 19 th April 2010)

Heritage Institute of Technology, Kolkata

Educational Qualification:

BSc: Chemistry Honours (1997-2000), Scottish Church College (University of Calcutta)

MSc: Chemistry (Specialisation in Organic Chemistry) (2000-2002), University College of Science and Technology, University of Calcutta.

PhD: Jadavpur University (Submitted: July 2007, Awarded: April 2008)

Permanent address and Contact Number:

Flat No. B/2B, Rajwada Estate, Phase 1, 66, NSC Bose Road, Mahamayatala, Garia, Kolkata - 700084

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Contact No.: 9831593760

Research Experience:

2002-2005: JRF(NET) CSIR (Department of Chemistry, Bose Institute)

2005-2007: SRF(NET) CSIR (Department of Chemistry, Bose Institute)

PhD Thesis: Title: *“Interaction of Mg²⁺- Independent Ca²⁺ ATPase with a low molecular mass protein purified from bovine brain cytosol”* (Thesis submitted: July 2007)

Supervisor: (Late) Professor Parimal Chandra Sen, Senior Professor and Head, Division of Molecular Medicine, Bose Institute, Kolkata.

Field of Work and Expertise: Modulation of ATPase by endogenous and exogenous molecules

Study of ATPase enzyme kinetics and Signal Transduction Pathway, Characterization of enzymes.

Dihydropyrimidones and their bioactivity as calcium channel antagonists

Anticancer Studies with DHPM derivatives

Research Projects Undertaken at Behala College:

Title of the project	Funding Agency & Date of sanction	Duration	Grant received
Scaffold Decoration of Dihydropyrimidones especially with carbohydrate moieties and study of their effect on Ca ²⁺ -ATPase	UGC Minor Research Project (UGC ref no. PSW053/10-11 (ERO)dt 20.10.2010	2010-2012 as Co-PI	Rs. 1,77, 000/-
Development of heterocycle based Organo Chemosensors	UGC Minor Research Project (UGC ref no. PSW070/15-16(ERO)dt 15.11.2016	2017-2019 as PI	Rs. 3,02,500/-

Fellowships and recognitions:

1. GATE 2002 in Chemistry: All India Ranking:190
2. JRF NET CSIR in Chemical Sciences: December 2001
3. Stood 3rd in First Class in MSc Chemistry 2002 (Order of Merit), University of Calcutta.

Details of Publications:**a. Research Articles in Journals**

1. Srabasti Ghoshal, Tanusree Sengupta, Sandhyarekha Dundung, Gopal Chandra Majumder, Parimal Chandra Sen; Characterization of a low-molecular-mass stimulator protein of Mg²⁺-independent Ca²⁺ - ATPase: effect on phosphorylation/dephosphorylation, calcium transport and sperm-cell motility, Bioscience Reports, 2008, Apr;28(2),61-71 (IF- 2.9)
2. Tanusree Sengupta, Srabasti Ghoshal, Sandhyarekha Dundung, Gopal Chandra Majumder, Parimal Chandra Sen; Structural and functional characterization and physiological significance of a stimulator protein of Mg²⁺-independent Ca²⁺-ATPase isolated from goat spermatozoa, Molecular Cellular Biochemistry, 2008, Apr;311(1-2),93-103 (Impact Factor-1.59)
3. Tanusree Sengupta, Srabasti Ghoshal, Parimal Chandra Sen; Stimulation of Mg²⁺-independent form of Ca²⁺-ATPase by a low molecular mass protein purified from goat testes cytosol, Comparative Biochemistry and Physiology B Biochemistry and Molecular Biology, 2007, 146(1), 131-138 (IF-1.875)

4. Srabasti Ghoshal, Tanusree Sengupta, Parimal Chandra Sen; Regulation of Mg²⁺-independent Ca²⁺-ATPase by a low molecular mass protein purified from bovine brain, *Biofactors*, 2006, 26(4), 259-271 (IF - 3.038)
5. Salil Putatunda, Srabasti Chakraborty, Swatilekha Ghosh, Pinki Nandi, Supriyo Chakraborty, Parimal Chandra Sen, Arijit Chakraborty; Regioselective N1-alkylation of 3,4-dihydropyrimidine-2(1H)-ones: Screening of their biological activities against Ca²⁺-ATPase, *European Journal of Medicinal Chemistry*, 2012, 54, 223-231 (IF- 3.43)
6. Swatilekha Ghosh, Arghya Adhikary, Samik Chakraborty, Pinki Nandi, Suchismita Mohanty, Supriya Chakraborty, Pushpak Bhattacharjee, Sanhita Mukherjee, Salil Putatunda, Srabasti Chakraborty, Arijit Chakraborty, Gaurisankar Sa, Tanya Das, Parimal Chandra Sen; Nifetepimine, a Dihydropyrimidone, Ensures CD4⁺ T Cell Survival in a Tumor Microenvironment by Maneuvering Sarco(Endo)plasmic Reticulum Ca²⁺ ATPase (SERCA), *Journal of Biological Chemistry*, 2012, 287(39), 32881-32896 (IF- 4.65)
7. Srabasti Chakraborty; Sarcoendoplasmic Calcium ATPase and diseases: A minireview, *Journal of Advanced Studies* (published from Behala College), 2015, Vol I (Jan 15), 55-60 ISSN: 2394-7241
8. Srabasti Chakraborty; Modulators of Sarcoendoplasmic Calcium ATPase, *MAC Journal of Basic and Applied Sciences* © Maulana Azad College, 2016, Vol. III. No. 1(March), 59-65 ISSN: 2347-5366
9. Srabasti Chakraborty, Nilanjan Chakraborty, Swatilekha Ghosh, Arijit Chakraborty, *Sci. and Cult.* 87 (11–12): 440-444 (2021) (UGC CARE list-A journal)

b. Book Chapters

Srabasti Chakraborty; The Revolution termed “Green Fluorescence protein”, *Emerging Frontiers in Chemistry*, 2013, Chapter 3, 11-19 (E-Book published by LAP LAMBERT Academic Publishing, Germany, ISBN 978-3-659-3299

Participation in Scientific Societies/Academic/Administrative Bodies

1. Member of Internal Quality Assurance Cell, Behala College (2017- till date)
2. Acted as In-Charge, Department of Chemistry (February 2014-June 2017)
3. Life Member of Indian Chemical Society
4. Life Member of Indian Science News Association

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