

Dr. Shuchi Nagar

Designation	Assistant Professor
Phone	020-65101870
Qualification	M. Sc, Ph. D
Area of Specialization	Bioinformatics Computer Aided Drug Designing



Academic Qualification

Ph.D. 2011 Department of Chemical Technology, University of Calcutta
Title: Pharmacophore Search and Design of a Group of Potent Aromatase Inhibitors for Cancer Therapy
M.Sc 2005 in Bio-informatics from Sikkim Manipal University.
B.Sc 2002 in Microbiology from Mumbai University.
XII (10+2) 1999 from I.S.C.
X (10th) 1997 from I.C.S.E

Professional Experience

Senior Research Fellow (CSIR), 2009 – 2010, Department of Chemical Technology, University of Calcutta
Senior Science, Lady Tata Memorial Trust , , 2007- 2009, Department of Chemical Technology, University of Calcutta
Project Fellow, UGC, 2007
Teacher, Sai Holy Faith, Koparkhairne, Navi Mumbai, 2002-2003

Awards and Achievements

1. First Position in Seminar Presentation in M.Sc (2005) for the topic *Use of Bio-Informatic Techniques to Analyze, Predict and Provide innovative measures to eradicate Huntington's disease.*
2. Department of Science and Technology Travel Grant to attend a seminar at Cambridge held in February, 2010.
3. Certificate course in C/C++
4. Attended a 2 Day Workshop on Chemoinformatics organized by RASA Lifesciences Informatics and Alard College of Pharmacy , Pune.

Reviewer

Reviewed a paper from Letters in Drug Design related to 4D QSAR.

Publications

- [1] **Shuchi Nagar** and Achintya Saha, *Euro. J. Med. Chem.*, Vol. 45, 2010, 4307-4315.
- [2] **Shuchi Nagar** and Achintya Saha, *Int. J. Pharm. Pharmaceu.* Vol 2, 2010, 126-131.
- [3] **Shuchi Nagar** and Achintya Saha. *J. Comp. Chem.* Vol. 31, 2010, 2342-2353.
- [4] **Shuchi Nagar**, Md Ataul Islam, Suvadra Das, Arup Mukherjee and Achintya Saha: *Lett. Drug Design Discov.* Vol. 6, 2009, 38–45.
- [5] Md Ataul Islam, Sudipta Ghosh, **Shuchi Nagar**, Suvadra Das, Arup Mukherjee, Achintya Saha: *Int. J. Appl. Comp.*, Vol. 2, 2009, 11-18.
- [6] **Shuchi Nagar**, Md Ataul Islam, Suvadra Das, Arup Mukherjee, Achintya Saha: *J. Mol. Diver.* Vol. 12(1), 2008, 65–76.
- [7] Md Ataul Islam, **Shuchi Nagar**, Suvadra Das, Arup Mukherjee, Achintya Saha: *Biol. & Pharm. Bull.* Vol-31(7), 2008, 1453 –1460.
- [8] Sk. Mahasin Alam, Ria Pal, **Shuchi Nagar**, Md. Ataul Islam and Achintya Saha: *J. Mol. Mod.* Vol. 14, 2008, 1071–1082.
- [9] Subhendu Mukherjee, **Shuchi Nagar**, Sanchita Malick, Arup Mukherjee, Achintya Saha: *J. Mol. Graphics Model.*, Vol. 26, 2008, 884–892.
- [10] Subhendu Mukherjee, **Shuchi Nagar**, Sanchita Malick, Arup Mukherjee, Achintya Saha: *J. Chem. Inform. Model.*, Vol. 47, 2007, 475–487.

Abstracts Presented in National and International Conferences

1. “Molecular Modeling and Screening of Promising Aromatase Inhibitors” Indian Chemical Society, 1st – 2nd August 2011
2. “Exploring Pharmacophore of Isoflavone Derivatives for Aromatase Inhibition”, 7th WSEAS International Conference on Advances in Biomedical Research (MABE’10), University of Cambridge, Cambridge, UK., 23-25 February, 2010
3. “Pharmacophore Modeling of Diarylalkyl Imidazole and Trazole Derivatives as Potent Aromatase Inhibitors”, 4th International Symposium on Current Trends in Drug Design and Discovery (CTDDR-2010), CDRI, Lucknow, 17-21 February, 2010
4. “3D-QSAR Study of Benzofuran Derivatives: CoMFA And CoMSIA Using PLS Analysis” – National seminar on Recent Advances in Chemical Research, Osmania University, Hyderabad, 6th February 2009, p. 104.
5. “Three-dimensional pharmacophore of hydroxysteroid dehydrogenase inhibitor for the treatment of breast cancer” Indian Chemical Society, 1st – 2nd August 2008
6. “Molecular Modeling of Benzofuran Derivatives for CYP19 Aromatase Inhibition” 95th Indian Science Congress, Vishakapatnam, 3rd - 7th January 2008
7. “Exploring Pharmacophores of Sulphoanilide Derivatives for Suppressing Aromatase Expression and Activity in Breast Cancer Cell” Indian Chemical Society, 2nd – 3rd August 2007
8. “Pharmacophore Mapping for MCF Cell Inhibition of Arylbenzothienopyridine Derivatives”, Recomb 2007, Sanfransisco bay, Oakland, USA, 21-25 April 2007.
9. “Pharmacophore Mapping of Flavone Derivatives for Aromatase Inhibition”, Select Science, Medchem India, ITC Hotel Kakatiya Sheraton & Tower, Hyderabad, India. 12-13 April 2007.
10. "Pharmacophore Mapping of Bridged Cyclic Scaffolds for Binding Affinities to the Estrogen Receptor Subtypes using Classical and Space Modeling Approaches" College of pharmaceutical Sciences, Behrampur, Orissa, Pg.48
11. "Pharmacophore Modeling of Raloxifene Analogs for Breast Cancer Cell Line Inhibition" College of pharmaceutical Sciences, Behrampur, Orissa, Pg.49
"Computer-Aided Biophore Recognition (CABR): A Case Study on Apprehending Tissue Selectivity of SERMs" Indian Institute of Chemical Engineers, Pg.31-40