



**Dr. Subhasis Banerjee, M. Pharm, PhD**  
**Assistant Professor**

Dr. Banerjee is an M. Pharm (Pharmaceutical Chemistry) from BIT, Mesra and has been awarded PhD from BIT, Mesra. He received National Young Scientist award in the year 2006 from Indian Council of Chemist. He is having 12 years of teaching and research experience. He qualified GATE in the year 2005. He is a member of Indian Pharmaceutical Association. He has successfully guided several post graduate students.

**Area of Research:** Insilico drug design and synthesis of organic biomolecules.

**Publication Details:**

1. Swastika Ganguly, **Subhasis Banerjee**. Synthesis, antifungal activity and molecular modeling studies of some novel 1-substituted 2-methylimidazole analogs. Journal of Indian Council of Chemists. **2007**; 24(1):178-81.
2. Swastika Ganguly, **Subhasis Banerjee**. 3D-QSAR studies of imidazole derivatives as *Candida albicans* P-450-demethylase inhibitors. Asian Journal of Chemistry. 2008; 20(6): 4595-4608.
3. Bibek Pati, **Subhasis Banerjee**. Molecular docking based virtual design of polysubstituted triazoles as cytochrome P-450 -14-alpha-sterol demethylase (Cyp 51) inhibitor. Journal of PharmaSciTech. **2011**; 1(2): 46-51.
4. Supriyo Saha, **Subhasis Banerjee**, Swastika Ganguly. Molecular docking studies of some novel hydroxamic acid derivatives. International Journal of Chem Tech Research. **2010**; 2(2):932-36.
5. **Subhasis Banerjee**, Supriyo Saha, Sujoy Dawn. Design strategy of some novel tetrahydroquinoline analogs as potential non-nucleoside reverse transcriptase inhibitors. Der Pharmacia Lettre. **2010**; 2(3):154-62.
6. Sourav De, **Subhasis Banerjee**. Structure based design of few substituted piperidones as dipeptidyl peptidase inhibitors. International Journal of Pharmacy and Pharmaceutical Sciences. **2012**; 4(5):163-70.
7. Bibek Pati, **Subhasis Banerjee**. Importance of piperidine moiety in medicinal chemistry research: A review. Journal of Pharmacy Research. **2012**; 5(12):5493-5509.
8. **Subhasis Banerjee**, Swastika Ganguly, Kalyan Kumar Sen. Denovo *insilico* design of triazole analogs as reverse transcriptase inhibitors. Der Pharmacia Lettre. **2012**; 4(6):1888-1900.
9. **Subhasis Banerjee**, Swastika Ganguly, Kalyan Kumar Sen. Synthesis and biological evaluation of some

novel triazole derivatives. *Int J Pharm Appl.* **2013**; 4(2):49-62.

10. **Subhasis Banerjee**, Swastika Ganguly, Kalyan Kumar Sen. A Review on 1,2,4-Triazoles. *J Adv Pharm Edu Res.* **2013**; 3(3):102-115.

11. **Subhasis Banerjee**, Swastika Ganguly, Kalyan Kumar Sen, Choowongkomon. K, Seetaha S. Synthesis, evaluation and binding mode analysis of some novel triazole derivatives as antimicrobials. *J Adv Pharm Edu Res.* **2013**; 3(4):494-511.

12. Bibek Pati, **Subhasis Banerjee**. Quinazolines: An Illustrated Review. *Journal of Advanced Pharmacy Education & Research.* **2013**; 3(3):136-51.

13. Sankhadip Bose, Bibek Laha, **Subhasis Banerjee**. Anti-inflammatory activity of isolated allicin from garlic with post-acoustic waves and microwave radiation. *J Adv Pharm Edu & Res.* **2013**; 3(4):512-15.

14. Sankhadip Bose, Bibek Laha, **Subhasis Banerjee**. Quantification of allicin by high performance liquid chromatography-ultraviolet analysis with effect of post-ultrasonic sound and microwave radiation on fresh garlic cloves. *Pharmacognosy Magazine.* **2014**; 10(38):288-93.

15. Bibek Pati, **Subhasis Banerjee**. Indispensability of quinoline moiety in the field of medicinal chemistry research-A review. *Journal of PharmaSciTech.* **2014**; 3(2):59-67.

16. Sourav De, **S. Banerjee**, M. Niranjana Babu, B. Mohana Lakshmi, T. M. Suneel Babu. Review on Cardiac Glycosides in Cancer Research and Cancer Therapy, *Indo American Journal of Pharmaceutical Research*, **2016**; 6:5391-5400.

17. **Subhasis Banerjee**, Subhadeep Ball S, Sankhadip Bose. In silico Design of Few Allicin Derivatives, *Journal of PharmaSciTech.* **2016**; 5(2):71-77.

18. Chiranjit Jana, **Subhasis Banerjee**. A brief insight into isoxazole analogues. *Der Pharmacia Lettre.* **2016**; 8(7):209-24.

19. Priyanka Banerjee, **Subhasis Banerjee**. In silico Design of some novel perfusion RSV F glycoprotein inhibitors. *Journal of Innovation in Pharmaceutical Sciences.* **2017**; 1(2):49-54.

20. Sourav De, Sunisha Kottukulam Subran, Selva kumar Ramasamy, **Subhasis Banerjee**, Priyanka Paira, Ashok Kumar Somanahalli Kalleshappa. Luminescent Anticancer Acenaphtho[1,2-b]quinoxaline: Green Synthesis, DFT and Molecular Docking Studies, Live-Cell Imaging and Reactivity towards Nucleic Acid and Protein BSA. *Chemistry Select, Wiley Online Library.* **2018**; 3(19):5421-30.

21. Sourav De, **Subhasis Banerjee**, Priyanka Paira, S K Ashok Kumar. Critical role of Dipeptidyl Peptidase IV: A therapeutic target for cancer & diabetes. *Mini-Rev Med Chem.* **2018**; 19(2):88-97.

22. **Subhasis Banerjee**, Shalini Das. Target based design of few tau protein inhibitors as antialzheimers. *Journal of Innovation in Pharmaceutical Sciences.* **2018**; 2(1):1-7.

23. Priyabrata Nath, Sougata Mukherjee, Agnish Mukherjee, **Subhasis Banerjee**. Virtual screening of tricyclic compounds as DNA intercalators. *Der Pharmacia Lettre.* **2018**; 10 (9):32-46.

24. Sourav De, B. Sarkar, G. R. Jadhav, R. Selvakumar, **S. Banerjee**, M. Anbalagan, P. Paira and S K Ashok Kumar, Experimental and Theoretical Study on the Biomolecular Interaction of Novel Acenaphtho quinoxaline and Dipyrrophenazine analogues, Chemistry Select, **2018**; 3:10593-10602.
25. Sourav De, S. R. Chaudhuri, A. Panda, G. R. Jadhav, R. Selva Kumar, M. Prasanth, N. Ramesh, A. Mondal, M. Anbalagan, **S. Banerjee**, P. Paira, S. K. Ashok Kumar, Synthesis, characterisation, molecular docking, biomolecular interaction and cytotoxicity studies of novel Ruthenium(II)-arene- 2-heteroarylbenzoxazole complexes, New J. Chem, **2019**, DOI- **10.1039/C8NJ04999H**

### **Book Published**

1. Study of few polysubstituted piperidone analogs. Sourav De, **Subhasis Banerjee**. Publisher: LAP Lambert Academic Publishing AG & Co KG. ISBN-978-3-848-40497-1 Published 27/12/2012
2. A Scientific insight into Pyrazole Discovery. Mousumi Shyam, **Subhasis Banerjee**. Publisher: LAP Lambert Academic Publishing AG & Co KG. ISBN-978-3-659-92036-3 Published 22/07/2016
3. Bipul Ranjan Mishra, **Subhasis Banerjee**. A Scientific Illustration on Schiff Bases LAP LAMBERT Academic Publishing (2017-09-14). ISBN-13: 978-620-2-01681-0

### **Number of Students Guided in Post Graduation & Doctoral Programme**

**Fourteen (14)** completed till 2019 and **One (01)** currently in progress

### **Seminars/Workshops Attended (Participant/Speaker)**

1. "ICC Silver Jubilee Conference" 27<sup>th</sup> -29<sup>th</sup> Dec 2006 at Nanotechnology Research Centre, Kalyan , Mumbai.
2. One Day Seminar-cum-Workshop on "Quality Assurance and GMP in Pharmaceuticals" held on 2<sup>nd</sup> December, 2010 at Gupta college of Technological Sciences, Ashram More, G.T. Road, Asansol- 713301, West Bengal.
3. National seminar on Recent Trends in drug Discovery and Drug Development, Dated Sept 24<sup>th</sup>, 2011 at Gupta College of Technological sciences, W.B.
4. AICTE sponsored "National Conference on Biopolymers, Bioactive agents & Delivery strategies", April 7<sup>th</sup>-8<sup>th</sup> 2012" organized by-Trinity trust, Gupta College of technological sciences, Asansol.
5. Seminar and Workshop on "Industry-Entrepreneurship Development Programme, 8<sup>th</sup> – 10<sup>th</sup> September, 2012" organized by-Trinity trust, Gupta College of Technological sciences, Asansol.
6. Trinity Trust, Gupta College of Technological Sciences, Asansol in collaboration with APTI organized "National Seminar on Strategies to Combat Diseases Threatening the Nation's Health", September 5<sup>th</sup> 2013.

7. A Seminar on “High Throughput & Molecular Targeted Screening in Anticancer drug Discovery” held on 11<sup>th</sup> November, 2013 at AJC BOSE HALL, Gupta college of Technological Sciences, Ashram More, G.T. Road, Asansol-713301, West Bengal.
8. AICTE sponsored “National Conference on Complex Diseases, Novel Therapeutics & Delivery Challenges, 23<sup>rd</sup>-24<sup>th</sup> January, 2014” organized by-Trinity trust, Gupta College of Technological sciences, Asansol.
9. National Conference on “Pharma Innovations & Regulatory Considerations, 4<sup>th</sup> September, 2016” organized by Trinity trust, Gupta College of Technological sciences, Asansol in collaboration with Society of Pharmaceutical Education & Technology (SPET).
10. National Conference on "Advances in Pharmaceutical Technology & Regulatory Affairs" (APTRI-2017) on 21st May, 2017.
11. National Conference on “Recent Trends in Drug Discovery and Development” (RTD3-2017)on November 4<sup>th</sup>, 2017.
12. National Conference on “Present Scenario, Challenges and Future Perspective of Drug Discovery and Smart Delivery System Development” on 6<sup>th</sup> April 2019.
13. 2 days Workshop on “Insilico Drug Design” organized by CIPT, Uluberia on 3<sup>rd</sup> and 4<sup>th</sup> May, 2019.