

TABREZ KHAN

Assistant Professor (Organic Chemistry),
Room No 501A, A1 Block, School of Basic Sciences,
Toshali Bhavan, IIT Bhubaneswar,
Satyanagar, Bhubaneswar -751007, Odisha, India
tabrez@iitbbs.ac.in; tabrez34@gmail.com

Education

- Ph. D. (Org. Chem.), University of Mumbai, Maharashtra, India (2003-2009).
- M. Sc. (Org. Chem.), University of Mumbai, Maharashtra, India (2001-2003).
- B. Sc. (Chem.), K. J. Somaiya College of Science, Arts & Commerce, Mumbai, Maharashtra, India (1998-2001).

Research Experience

- Research Investigator- Medicinal Chemistry at BBRC (Biocon-BMS R&D Centre, Syngene Intl. Ltd), Bangalore, India, Sept. 2013- April 2014.
- Postdoctoral Researcher at The Scripps Research Institute, CA, USA, 2012-2013.
- Postdoctoral Researcher at Hyderabad Central University, India, 2010-2012.
- Postdoctoral Researcher at Indian Institute of Science, Bangalore, India, 2009-2010.
- Research Associate at GlaxoSmithKline Pharmaceuticals, Maharashtra, India, 2008-2009.
- Doctoral Research at University of Mumbai, Maharashtra, India, 2003-2009
Dissertation title: "Syntheses of chemoionophores and related system. Effect of Metal ions on Electronic and Optical properties".

Honors & Awards

- Fulbright-Nehru Postdoctoral fellowship from the United States-India Education Foundation (USIEF), New Delhi, India (2012-2013).
- Dr. D. S. Kothari Postdoctoral fellowship from the University Grants Commission (UGC), New Delhi, India (2009-2012).
- Best Poster Award at Trombay Symposium for Radiation and Photochemistry from the Department of Atomic Energy, Govt. of India (2008).
- Best Talk Award at Ph.D Student Symposium from the Royal Society of Chemistry- West India Section (2007).
- Junior & Senior Research Fellowship Award from the Council of Scientific &

Industrial Research (CSIR), New Delhi, India (2004-2008).

- Graduate Aptitude Test In Engineering (GATE) Award from the Indian Institute of Technology, India (2004).
- Maharashtra State level Eligibility for Lectureship Award from the University Grants Commission (UGC), New Delhi, India (2003).

Publications

- “Model studies toward a synthesis of asperaculin A: exploration of iterative intramolecular Pauson–Khand reaction based strategies to access the dioxo[5.5.5.6]fenestrane framework”; Goverdhan Mehta, Tabrez Babu Khan, *Tetrahedron Letters*, **2012**, *53*, 4558-4561.
- “(1’S,6’S,8’S,9’R)-9’-Bromo-12’-oxaspiro-[1,3-dioxolane-2,4’-tricyclo[6.3.1.01,6]-dodecane]”; Goverdhan Mehta, Tabrez Babu Khan, *Acta Crystallogr., Sect. E: Struct. Rep. Online*, **2012**, *E68*, o2411-o2412.
- “A biomimetic total synthesis of allomicrophyllone: protective Diels–Alder reaction as a stratagem”; Goverdhan Mehta, Tabrez Babu Khan, *Tetrahedron Letters*, **2010**, *51*, 6590-6593.
- “Total synthesis of the fungal metabolite (±)-acremine G: acceleration of a biomimetic Diels–Alder reaction on silica gel”; Goverdhan Mehta, Tabrez Babu Khan, Y.C. Sunil Kumar, *Tetrahedron Letters*, **2010**, *51*, 5116-5119.
- “Total syntheses of the fungal metabolites (±)-acremine A, B and I”; Goverdhan Mehta, Y.C. Sunil Kumar, Tabrez Babu Khan, *Tetrahedron Letters*, **2010**, *51*, 5112-5115.
- “Anthracene-tethered aminomethyl oxadiazole chemosensor: a probe offering selective chromo- and fluorogenic signaling for targeting Cu(II)”; Sabir H. Mashraqui, Tabrez Khan, Mukesh Chandiramani, Rupesh Betkar and Kiran Poonia, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2010**, *67*, 361-367.
- “Rhodamine–Pyridyl Probe: A Selective Optical Reporter for Biologically Important Zn²⁺”; Sabir H. Mashraqui, Tabrez Khan, Subramanian Sundaram, Rupesh Betkar and Mukesh Chandiramani, *Chemistry Letters*, **2009**, *38*, 730-731.
- “Phenothiazine-pyridyl chalcone: A new easily accessible colorimetric and fluorimetric "on-off " dual sensing probe for Cu²⁺”; Sabir H. Mashraqui, Tabrez Khan, Subramanian Sundaram, and Shailesh Ghadigaonkar, *Tetrahedron Letters*, **2008**, *49*, 3739-3743.
- “New PCT probes featuring N-phenylmonoaza-18-crown-6 and aryl/pyridyl oxadiazoles: Optical Spectral Studies of Solvent effects and selected metal ions”; Sabir H. Mashraqui, Subramanian Sundaram, Tabrez Khan, Shailesh Ghadigaonkar and Kirandevi Poonia, *Journal of Inclusion Phenomenon & Macrocyclic Chemistry*, **2008**, *62*, 81-90.
- “A new intramolecular charge transfer receptor as a selective ratiometric “off-on” sensor for Zn²⁺”; Sabir H. Mashraqui, Tabrez Khan, Subramanian Sundaram, Rupesh Betkar and Mukesh Chandiramani, *Tetrahedron Letters*, **2007**, *48*, 8487- 8490.

- “Zn²⁺ selective luminescent “off-on” probes derived from diaryl oxadiazole and aza-15-crown-5”; Sabir H. Mashraqui, Subramanian Sundaram, Tabrez Khan and A. C. Bhasikuttan, *Tetrahedron*, **2007**, 63, 11093-11100.
- “Benzimidazole-Chalcone: A Selective Intramolecular Charge-transfer Probe for Biologically Important Zinc Ions”, Sabir H. Mashraqui, Subramanian Sundaram and Tabrez Khan, *Chemistry Letters*, **2006**, 35, 786-787.
- “Aza-crown ether tethered with benzothiazole: Synthesis and optical spectral studies”, Sabir H. Mashraqui, Vashi Dhaval, Subramanian Sundaram and Tabrez B. Khan, *Indian Journal of Chemistry*, **2006**, 45 B, 815-819.

Presentations

- Goverdhan Mehta & Tabrez Khan, “*Biomimetically Inspired First Total Synthesis of Allomicrophyllone*”, 6th Junior National Organic Symposium trust Conference (J-NOST), **2011**, Hyderabad, India.
- Goverdhan Mehta, Sunil Kumar Y. C., Tabrez Khan, “*Total Syntheses of Acremine A, B, I & G*”, 5th Junior National Organic Symposium trust Conference (J-NOST), **2009**, Kanpur, India.
- Sabir H. Mashraqui & Tabrez Khan, “*New Chromo-ionophores for Selective sensing of biologically significant Zn²⁺ ions*”, 20th Research Scholar’s Meet (RSM), **2008**, Mumbai, India.
- Sabir H. Mashraqui & Tabrez Khan, “*ICT probes for “naked eye” detection of Physiologically important Zn²⁺ and Cu²⁺*”, Trombay Symposium for Radiation & Photochemistry, **2008**, Pune, India.
- Sabir H. Mashraqui & Tabrez Khan, “*Naked eye detection of Biologically Significant Zn²⁺ and Cu²⁺ ions by ICT probes*”, RSC-West India Section Ph.D Students Symposium, **2007**, Goa, India.