



FACULTY PROFILE

Name : Dr. Sintu Ganai
Designation : Assistant Professor of Chemistry
School/Department : School of Sciences
Qualification : M.Sc., Ph.D.
Specialization : Organic Chemistry
Address : 1st Floor, Administrative-Academic building,
Kalyani Campus, Ghoshpara Station Road,
Kalyani, Nadia- 741235
Office Contacts : 033-2582 6611 / 2502 5066
E-mail : sintuganai@gmail.com, sintu_chem@yahoo.co.in



EDUCATIONAL QUALIFICATION:

B.Sc. (Chemistry Hons.) : 2005 from Berhampore K. N. College, University of Kalyani, Nadia, West Bengal
M.Sc. (Organic Chemistry) : 2007 from University of Kalyani, Nadia, West Bengal
Ph.D. : February 2014, in Chemistry (Science) from University of Kalyani, Nadia, West Bengal

ACHIEVEMENTS / AWARDS:

- Qualified National Eligibility Test- (NET-JRF/CSIR) : June 2008 (CSIR)
- Awarded CSIR Senior Research Fellowship (SRF) : 2011
- Awarded CSIR-SRF (Extended) : 2013

EXPERIENCES:

Name of the Organization	Designation	From	To
Netaji Subhas Open University, Salt Lake, Kolkata	Assistant Professors of Chemistry	March 2015	At Present
Kalyani Mahavidyalaya College, University of Kalyani, Nadia	Assistant Professor (Guest) in Chemistry	November 2014	February 2015
Global Environment Research Foundation, an Outreach Centre of 'University of Mysore, India	Faculty in the of 'Department of Chemistry'	August 2007	August 2008



RESEARCH INTEREST:

My research field of interest involves the development of innovative synthetic methodology and synthesis of various potentially bio-active heterocyclic compounds by the implementation of various methodologies such as metal catalyzed cyclization, C-H activation, amination etc.

RESEARCH PUBLICATIONS:

1. 'Molecular iodine-mediated regioselective synthesis of pyranocoumarins and bis-fused benzo-2H-pyran derivatives.' K. C. Majumdar, B. Sinha, I. Ansary, **S. Ganai**, D. Ghosh, B. Roy, B. Sridhar, *Synthesis*, **2014**, *46*, 1807-1814
2. 'Synthesis of phosphorus containing medium ring heterocycles by sequential Claisen rearrangement and ring closing metathesis.' K. C. Majumdar, R. K. Nandi, **S. Ganai**, *Tetrahedron Letters*, **2014**, *55*, 1247-1250
3. 'An expedient approach to substituted triazolo[1,5-a][1,4]benzodiazepines via Cu-catalyzed tandem Ullmann C-N coupling/ azide-alkyne cycloaddition.' K. C. Majumdar and **S. Ganai**, *Tetrahedron Letters*, **2013**, *54*, 6192-6195
4. 'An efficient one-pot strategy to the synthesis of triazole-fused 1,4-benzodiazepinones from N-substituted 2-azido-benzamides.' K. C. Majumdar and **S. Ganai**, *Synthesis*, **2013**, 2619-2625
5. 'Facile synthesis of benzothiadiazine 1,1-dioxides, a precursor of RSV inhibitors, by tandem amidation/intramolecular aza-Wittig reaction.' K. C. Majumdar and **S. Ganai**, *Beilstein J. Org. Chem.* **2013**, *9*, 503-509
6. 'An one-pot approach to the synthesis of triazolobenzothiadiazepine 1,1-dioxide derivatives by basic alumina-supported azide-alkyne [3+2] cycloaddition.' K. C. Majumdar, **S. Ganai**, Biswajit Sinha, *Tetrahedron* **2012**, *68*, 7806-7811
7. 'Catalyst-free synthesis of coumarin-, quinolone- and pyridine-annulated oxazole derivatives.' K.C. Majumdar, **S. Ganai**, R. K. Nandi, K. Ray, *Tetrahedron Letters*, **2012**, *53*, 1553-1557
8. 'Regioselective synthesis of pyrimidine-annulated spiro-dihydrofurans by Silver-Catalyzed 5-endo-dig Cyclization.' K. C. Majumdar, **S. Ganai**, R. K. Nandi, *New Journal of Chemistry*, **2011**, *35*, 1355-1359
9. 'CuI/L-proline-catalyzed intramolecular aryl amination: an efficient route for the synthesis of 1,4-benzodiazepinones.' K. C. Majumdar and **S. Ganai**, *Synlett* **2011**, 1881-1887
10. 'Palladium-Catalyzed One-Pot Synthesis of Pyrrole-Annulated Coumarin, Quinolone, and 7-Aza-indole Derivatives.' K.C. Majumdar, **S. Ganai**, B. Chattopadhyay, K. Ray, *Synlett* **2011**, 2369-2373
11. 'An unusual iodocyclization; an efficient synthesis of pyrimidine-annulated spiro-heterocycles.' K. C. Majumdar, K. Ray, **S. Ganai**, *Chemistry Letters* **2011**, *40*, 747-749



12. 'Regioselective Synthesis of Annulated Quinoline and Pyridine Derivatives by Silver-Catalyzed 6-endo-dig Cycloisomerization.' K.C. Majumdar, R. K. Nandi, **S. Ganai**, A. Taher, *Synlett* **2011**, 116-120
13. 'Synthesis of benzodiazocine annulated heterocycles by the implementation of Palladium catalyzed intramolecular Heck reaction.' K.C. Majumdar, K. Ray, **S. Ganai**, *Tetrahedron Letters* **2010**, 51, 1736-1738
14. 'Intramolecular aza-Wittig reaction: a new efficient tool for the construction of Piperazine 2,5- dione derivatives.' K.C. Majumdar, Krishanu Ray, **Sintu Ganai**, *Synlett* **2010**, 2122-2124
15. 'Copper(I)-Catalyst-Free Approach for the Synthesis of Chromene-Fused Pyrido[3,2-d]pyrimidines by Lewis Acid Catalyzed Aza-Diels–Alder Reaction.' K. C. Majumdar, S. Ponra, **S. Ganai**, *Synlett* **2010**, 2575-2578
16. 'Intramolecular azide-alkyne[3+2] cycloaddition: a versatile route for the synthesis of 1,2,3-triazole fused dibenzo 1,5-diazocinone derivatives.' K.C. Majumdar, K. Ray, **S. Ganai**, *Synthesis* **2010**, 2101-2105
17. 'Catalyst-free 1,3-dipolar cycloaddition: an efficient route for the formation of 1,2,3-triazole fused diazepinone framework.' K.C. Majumdar, K. Ray, **S. Ganai**, T. Ghosh, *Synthesis* **2010**, 858-862

POSTER PRESENTED ON SEMINAR:

- 'National Symposium on Current Trends in Chemistry-VI' organized by University of Kalyani, West Bengal, India, March 2, **2012** (Abstract no. pp - 13)