



Dr. Sukla Ghosh

Associate Professor

Department of Chemistry

Academic Qualifications:

1. Ph. D. : University of Kalyani, 2005, Title of the thesis: Studies on Azoles and Their Benzo Derivatives
2. M. Sc. (Specialization in Organic Chemistry) : 1993, University of Calcutta (Science College)
3. B. Sc. (Honours in Chemistry) : Lady Brabourne College (affiliated to University of Calcutta)
4. H. S. (10+2): Kamala Girl's School, WBCHSE
5. Madhyamik Pariksha: Kasba Balika Vidyalaya, WBBSE

Awards & Recognitions:

1. CSIR NET fellowship: 1996
2. SLET: 1996
3. GATE: 1994

Teaching Experiences:

1. Assistant teacher: 7.5 yrs. at Sodepur Sushil Krishna Sikshaytan for Girls (H. S.) (N-24 Parganas)
2. Assistant Professor: 8 yrs. (2007-2015) at Gobardanga Hindu College (N-24 Parganas), Department of Chemistry
3. Women's College, Calcutta: from 2015 to till date

Research Interest: Synthesis of heterocyclic compounds, metal catalysed organic synthesis, photocatalysis etc.

Post Doctoral Research experience:

1. Department of Chemistry, University of Calcutta with Prof. S. Ray, 2005-2010
2. Department of Chemistry, University of Calcutta with Prof. D. K. Maiti, 2010-till date

Research Project:

UGC Minor Research Project: 2010-2012, **Principal Investigator**

Title: Metal-Ligand Complexes Catalyzed Synthesis of Novel Heterocycles

Status: Completed

List of Publications:

1. Benzimidates as gem-Diamination and Amidoindolization Cascade Synthons with a Hydrated Ni^{II} Catalyst
Rajesh Nandi, Prakash K. Mondal, Anirban Kayat, Tamalika Bhattachariya, Sukla Ghosh and Dilip K. Maiti
Org. Lett. 2020, **22**, 3474-3478; dx.doi.org/10.1021/acs.orglett.0c00928
2. Selective amidation by a photocatalyzed umpolung reaction
Debasish Ghosh, Rajesh Nandi, Saikat Khamarui, Sukla Ghosh and Dilip K. Maiti*
Chem. Commun, 2019, **55**, 3883-3886; DOI: 10.1039/c9cc01079c
3. Plastic and Environment
Sukla Ghosh
Journal of Social Science and Welfare
Published by Women's College, Calcutta and Indian Institute of Psychometry, 2019, **4**, pp
ISSN: 23482974
4. Organic Nanoelectronics: New Generation Semiconductors
Ghosh, Tanmoy, Mondal Somrita, Maiti rituparna, Ray Sudipta, Dinda Enakhi, Ghosh Sukla* and Maiti Dilip Kumar*
NanoMatChemBioDev, 2018, **1**, 42-43
5. Synthesis and diverse general oxidative cyclization of high-valent Mo^{VI}O₂(HL) to ubiquitous heterocycles and their chiral analogues with high selectivity
Nabyendu Pramanik, Satinath Sarkar, Dipanwita Roy, Sudipto Debnath, Sukla Ghosh, Saikat Khamarui and Dilip Kumar Maiti*
RSC Advance, 2015, **5**, 101959-101964; DOI: 10.1039/c5ra21825j
6. Sequential activation of σ -bonds : Intermolecular cascade annulations with migration and remote functionalization
Dipankar Dhara, Tista sengupta, Saikat Khamarui, Sukla Ghosh and Dilip Kumar Maiti*
J. Indian Chem. Soc., 2013, **90**, 1663-1673, ISSN 0019-4522.
(In honour of Professor Sunil Kumar Talapatra on the occasion of his 80th birthday)

7. CeCl₃·7H₂O Catalyzed C-C and C-N Bond-Forming Cascade Cyclization with Subsequent Side-Chain Functionalization and Rearrangement: A Domino Approach to Pentasubstituted Pyrrole Analogues
Dipankar Dhara, Krishnanka Gayen, Saikat Khamarui, Palash Pandit, Sukla Ghosh and Dilip Kumar Maiti*
J. Org. Chem, 2012, **77**, 10441-10449; dx.doi.org/10.1021/jo301796r
8. Synthesis of Benz[*d*]oxazolones Involving Concomitant Acetyl Migration from Oxygen to Nitrogen
Sibdas Ray* and Sukla Ghosh
Synthetic Communications, 2010, **40**, 2377-2388
ISSN: 0039-7911; DOI: 10.1080/00397910903245158
9. Novel Sulfur-to-Nitrogen Migration of Ethylmethyl Moiety in Benz[*d*]oxazole System via Internal Radical Capture
Sibdas Ray, Sukla Ghosh and Nemai C. Ganguly
Synthetic Communications, 2006, **36**, 1447-1457
ISSN: 0039-7911; DOI: 10.1080/00397910500522181
10. A one-pot synthesis of alkyl 5-amino-2-mercaptothiazole-4-carboxylates and sulphur-Claisen type rearrangement reactions of the corresponding S-allyl/propargyl compounds
Sibdas Ray* and Sukla Ghosh
J. Indian Chem. Soc. 2003, **80**, 1037-1043 (Dedicated to Professor S. M. Mukherjee), ISSN 0019-4522.
11. Synthesis of N,N'-bis(4-methyloxazol-5-yl)urea as the key building block of 1,3-bis(4-methyloxazol-5-yl)xanthine towards an improved bronchodilator
Sibdas Ray and Sukla Ghosh,
Indian J. Chem, 1999, **38B**, 986-988.

Poster Presentation:

Presented more than 10 posters in different National, International and State-level seminars, Symposia and conferences.
