

Name: Dr. Saikat Das Sharma
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Area of Specialisation: Organic Chemistry

Research Area:

- Organic reactions in water
- Synthesis of bio-active molecules by Diels-Alder cycloaddition reactions
- Development of Green method for oxidation reactions
- Synthesis of bio-active Heterocycles

Courses Taught:

- Organic Chemistry
- Inorganic Chemistry
- Analytical Chemistry

Publication Details:

Research Publications (At a glance)

1. S. Das Sharma and D. Konwar *Synthesis* **2009**, 1062
2. S. Das Sharma and D. Konwar *Synthetic Commun.* **2009**, 39, 980
3. S. Das Sharma, P. Hazarika and D. Konwar *Tetrahedron Lett.* **2008**, 49, 2216
4. S. Das Sharma, P. Hazarika and D. Konwar *Catalysis Commun.* **2008**, 9, 709
5. P. Hazarika, S. Das Sharma and D. Konwar *Catalysis Commun.* **2008**, 9, 2398
6. P. Hazarika, S. Das Sharma, P. Gogoi and D. Konwar *Synthetic Commun.* **2008**, 38, 2870
7. S. Das Sharma, P. Gogoi and D. Konwar *Green Chem.* **2007**, 9, 153

8. S. Das Sharma, P. Gogoi, M. Boruah and D. Konwar *Synthetic Commun.* **2007**, 37, 2473
9. S. Das Sharma, P. Gogoi and D. Konwar *Synthetic Commun.* **2007**, 37, 129
10. S. Das Sharma, P. Gogoi and D. Konwar *Indian J. Chem.* **2007**, 46B, 1672
11. P. Gogoi, S. Das Sharma and D. Konwar *Lett. Org. Chem.* **2007**, 4, 249
12. M. Boruah, D. Konwar and S. Das Sharma *Tetrahedron Lett.* **2007**, 48, 4535
13. P. Gogoi, D. Konwar, S. Das Sharma and P. K. Gogoi *Synthetic Commun.* **2006**, 36, 1259
14. S. Das Sharma, P. Pahari, S. Hazarika, P. Hazarika, M. J. Borah and D. Konwar *Arkivoc* **2013**, (i), 243
15. B. Dinda, S. Dinda, S. Das Sharma, R. Banik and M. Dinda *Eur. J. Med. Chem.* **2017**, 131, 68

Patent Granted

1. “An improved and green method for the preparation of 14-hydroxycodeinone from thebaine” D. Konwar* and S. Das. Sharma *Indian Patent No: 269936*, Grant Date: 19th November, **2015**

Project Details:

1. “*Synthesis and Diels-Alder Cycloaddition Reactions of 14-Hydroxycodeinone*”
Minor Research Project (UGC-NERO), Fund Utilised: Rs. 433000, Completed on 16/03/2017.

Seminar/Conference Participated:

1. “**Chemistry in December: Scientists, Events and Tragedies**” on 22/12/2023 organized by Govt. Degree College, Kamalpur, Tripura.
2. “**Celebration of World Ozone Day-2023**” on 16/09/2023 organized by Tripura State Pollution Control Board, Agartala.
3. “**National Science Day-2022**” on 01/06/2022 organized by DDM College, Khowai, Tripura.

4. **“Intellectual Property Rights”** on 11/02/2022 organized by IQAC, MBB College, Agartala.
5. National Seminar on **"Equal Opportunity in the context of Social and Human Development"** on 3/07/2012 to 14/07/2012 organized by Dasaratha Deb Memorial College, Khowai, Tripura.
6. Seminar on **"Good Governance in Tripura: Issues and Prospects"** on 07/12/2012 to 08/12/2012 organized by Dasaratha Deb Memorial College, Khowai, Tripura.
7. **“National Seminar on Green Chemistry & Nanoscience: Theory & Applications”** was attended on 20-21 July, 2012 organized by M. B. B. College, Agartala, Tripura.
8. **“Fifteenth National Conference on Surfactants, Emulsions and Biocolloids-2011”** was attended on December 27-29, 2011 organized by Tripura University.
9. **“International Conference on Emergence Areas of Chemistry”** was attended on January 12-14, 2011 organized by Tripura University.
10. **“National Seminar on Scope & Recent Development of Natural Products”** was attended on November 12-13, 2010 organized by Iswarchandra Vidyasagar College, Belonia, Tripura.
11. **“9th CRSI National Symposium in Chemistry”** was attended on February 1-4, 2007 organized by Delhi University.
12. **“International Symposium on Advances in Organic Chemistry”** was attended on January 9-12, 2006 organized by M. G. University, Kottayam, Kerala.
13. **“National Seminar on Current Trends in Crop Disease Management for Improving Productivity”** was attended on January 19-20, 2006 organized by Regional Research Laboratory, Jorhat.
14. **“National Seminar on Preventive Strategies Against Chemical Hazards”** was attended on December 12-14, 1998 organized by Maharaja Bir Bikram College, Agartala.

Workshop attended:

1. Short-term course on “**Nuclear Magnetic Resonance Spectroscopy**” on 28/05/2009 to 29/05/009 organized by Indian Institute of Technology, Madras.
2. Academies Lecture Workshop on “**Frontiers in Advanced Bio-Chemical Science**” on 25/02/2015 to 27/02/2015 organized by Indian Academy of Sciences (IAS) in DDM College, Khowai.
3. Workshop on “**Computational Information Processing**” on 04/02/2016 to 05/02/2016 organized by Indian Statistical Institute (ISI), Kolkata in DDM College, Khowai.
4. Workshop on “**Right to Information Act, 2005**” on 26/12/2016 to 27/12/2016 organized by State Institute of Public Administration and Rural Development (SIPARD).
5. Training programme on “**Information Technology and Digital Services**” on 26/11/2018 to 13/12/2018 organized by National Institute of Electronics and Information Technology (NIELIT) in DDM College, Khowai.
6. Workshop on “**Cyber Security in the field of ICT**” on 25/02/2020 to 26/02/2020 organized by National Institute of Electronics and Information Technology (NIELIT) in DDM College, Khowai.
7. Short Term Course on “**E-Content Development and Online Pedagogy**” on 07/12/2020 to 13/12/2020 organized by UGC-HRDC: Sardar Patel University, Vallabh Vidyanagar, Gujrat.
8. Short Term Course on “**Patent and Start up in Higher Education**” on 17/08/2020 to 22/08/2020 organized by UGC-HRDC: Saurashtra University, Rajkot, Gujrat.
9. NPTEL-SWAYAM: Faculty Development Programme on “**Pericyclic Reactions and Organic Photochemistry**” on 24/02/2020 to 31/05/2020 organized by NPTEL on Swayam.
10. NPTEL-SWAYAM course on “**Reactive Intermediates-Carbene and Nitrene**” on 24/02/2020 to 20/03/2020 organized by NPTEL on Swayam.
11. NPTEL-SWAYAM: Faculty Development Programme on “**Principles of Organic Synthesis**” on 14/09/2020 to 04/12/2020 organized by NPTEL on Swayam.
12. NPTEL-SWAYAM: Faculty Development Programme on “**Industrial Inorganic Chemistry**” on 24/01/2022 to 15/04/2022 organized by NPTEL on Swayam.
13. NPTEL-SWAYAM course on “**Stereochemistry**” on 25/07/2022 to 16/09/2022 organized by NPTEL on Swayam.

14. NPTEL-SWAYAM: Faculty Development Programme on "**Introductory Organic Chemistry II**" on 22/08/2022 to 14/10/2022 organized by NPTEL on Swayam.

15. NPTEL-SWAYAM: Faculty Development Programme on "**Mechanisms In Organic Chemistry**" on 24/07/2023 to 15/09/2023 organized by NPTEL on Swayam.

Seminar/Conference/Workshops Conducted: Nil

Membership in Academic Bodies: Member, Tripura Chemical Society, Agartala

Involvement beyond Academic Activities:

- 1) Assistant State Public Information Officer (**ASPIO**), DDM College, Khowai
- 2) **Head-in-Charge**, Chemistry Department, D.D.M. College, Khowai
- 3) **Convener, Exam Committee**, D.D.M. College, Khowai
- 4) Nodal Officer, National Institutional Ranking Framework (**NIRF**), DDM College
- 4) **Member, IQAC Committee**, DDM College, Khowai
- 5) **Nodal Officer**, National Institutional Ranking Framework (**NIRF**), MBB College
- 6) **Member, IQAC Committee**, MBB College, Agartala
- 7) **Member, Admission Committee**, MBB College, Agartala
(For the year 2021-2022)
- 8) **Member, Examination Committee**, MBB College, Agartala
- 9) **Member, Seminar, Debate & Workshop Committee**
- 10) **Member, Academic Audit Committee**, MBB College, Agartala
- 11) Head, **Department of Chemistry**, Head, **Department of Chemistry**
- 12) Member, "**State Level Environment Impact Assessment Authority (SEIAA)**,"
Department of Science, Technology & Environment, Govt. of Tripura
- 13) Convener, "**Distribution of Food and Educational Kits to an Orphanage**" committee in connection with Platinum Jubilee Celebration of MBB College.
- 14) Member, **Integrated Teacher Education Programme Committee (ITEP)**, MBB College, Agartala
- 15) Consignee, **GeM purchase**, MBB College, Agartala
- 16) Joint Convener, **Development Committee**, MBB College, Agartala
- 17) Member, **Tender Committee**, MBB College, Agartala
- 18) Member, **Cleaning, Jungle Cutting and Beautification Committee**, MBB College, Agartala