



Soumyadip Das

Address:
Department of Chemistry
School of Advanced Sciences
Vellore Institute of Technology
Vellore, Tamilnadu, India-632014

- Email ID: soumyadip94@gmail.com
- Contact No.: +91-8388060165
- Website: www.soumyadipchem.com
- [LinkedIn](#)
- [Google Scholar](#)

Summary

Synthetic Organic Chemist with 6 years of experience in the development of novel heterocyclic compounds for drug discovery. Proven track record of developing innovative and efficient synthetic routes for target molecules with a focus on sustainability. Effective communicator with a strong ability to work in a team environment, collaborate with internal and external stakeholders, and meet project goals and deadlines.

Education

- **2020-present:** Doctor of Philosophy, Vellore Institute of Technology
- **2017-2019:** Master of Science: Organic Chemistry, Vellore Institute of Technology, Vellore CGPA: 9.24/10
- **2013-2017:** Bachelor of Science: Chemistry, University of Calcutta, Kolkata

Employment

- **2021-present,** Assistant Professor Junior, Vellore Institute of Technology

Research Interest

- Broad Area: Organic Synthesis and Medicinal Chemistry
- Ionic Liquid synthesis and applications in organic synthesis
- Deep Eutectic Solvent synthesis and applications in organic synthesis
- Metal-nano Catalyst and their application in organic synthesis
- Heterocyclic compound synthesis

Skill

- Methodology Development, Small-Molecule Functionalization, Multi-Step Total Synthesis.
- Bruker NMR (Bruker: 400 MHz, 1D, COSY, NOESY, HSQC, HMBC), HPLC (Shimadzu Prominence, Agilent 1290/1260 Infinity II HPLC/UHPLC), HRMS (Waters, USA, XEVO-G2_XS-QTOF), GC-MS, FT-IR Spectrometer (Jasco-4600), Visible Spectrophotometer (Hitachi, UH5300), Fluorescence Spectrophotometer (HITACHI F7000), Organic Element analyzer (FlashSmart CHNS/O).
- MestReNova, Bruker Top-Spin, TurboMass, SciFinderⁿ/Reaxys, Chem-Draw, Data analysis, Scientific Writing, Interdisciplinary Coordination, Research Methodologies.

Publications

1. **Das, S.**; Chanda, K. One-Pot Telescopic Approach to Synthesize Disubstituted Benzimidazoles in Deep Eutectic Solvent. [*Synthesis \(Stuttg\)*. 2023.](#)
2. **Das, S.**; Chanda, K. An Overview of Metal-Free Synthetic Routes to Isoxazoles: The Privileged Scaffold. [*RSC Adv*. 2021, 11 \(52\), 32680–32705.](#)
3. **Das, S.**; Chanda, K. The Role of Nanocrystal Facets in Sustainable Organic Synthesis. [*ChemNanoMat* 2022, 8 \(11\), e202200375.](#)
4. Saikia, A. A.; Nishanth Rao, R.; **Das, S.**; Jena, S.; Rej, S.; Maiti, B.; Chanda, K. Sequencing [3+2]-Cycloaddition and Multicomponent Reactions: A Regioselective Microwave-Assisted Synthesis of 1,4-Disubstituted 1,2,3-Triazoles Using Ionic Liquid Supported Cu(II) Precatalysts in Methanol. [*Tetrahedron Lett*. 2020, 61 \(36\), 152273.](#)
5. Rajasekhar, S.; **Das, S.**; Balamurali, M. M.; Chanda, K. Therapeutic Inhibitory Activities of N-Hydroxy Derived Cytidines: A Patent Overview. [*ChemistrySelect* 2021, 6 \(48\), 13786–13808.](#)
6. Rajasekhar, S.; **Das, S.**; Karuppasamy, R.; Musuvathi Motilal, B.; Chanda, K. Identification of Novel Inhibitors for Prp Protein of Mycobacterium Tuberculosis by Structure Based Drug Design, and Molecular Dynamics Simulations. [*J. Comput. Chem*. 2022, 43 \(9\), 619–630.](#)
7. Dasmahapatra, U.; Kumar, C. K.; **Das, S.**; Subramanian, P. T.; Murali, P.; Isaac, A. E.; Ramanathan, K.; MM, B.; Chanda, K. In-Silico Molecular Modelling, MM/GBSA Binding Free Energy and Molecular Dynamics Simulation Study of Novel Pyrido Fused Imidazo[4,5-c]Quinolines as Potential Anti-Tumor Agents . [*Frontiers in Chemistry*, 2022.](#)

Seminar and Conference

- International Conference Drug Discovery (Presented a poster)- BITS Pilani (Goa), India and Schrodinger (USA)
- Symposium on Emerging Chemistry Trends: Innovations and Sustainable Solutions (Presented a poster)- NIT Trichy, Tamilnadu, India

Award and Achievement

- Affiliate Member of Royal Society of Chemistry
- Doctoral; fellowship by VIT
- Merit Scholarship from VIT for fourth rank

Hobby and Activity

- Drawing
- Photography
- Travelling

Declaration

I hereby declare that the above-mentioned details are true to the best of my knowledge.

Soumyadip Das
Signature