
DEEPALI JAISWAL

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<https://www.researchgate.net/scientific-contributions/Deepali-Jaiswal-2131894693>



EDUCATION

Ph.D. (Pursuing): University of Allahabad

Specialization: Organic Chemistry

Research Title: “*Synthesis of Biologically Active Heterocyclic Compounds*”

Masters (M.Sc.): 2016

Subject: Chemistry, with specialization in **Organic Chemistry**.

University of Allahabad, Prayagraj, Uttar Pradesh, India.

Bachelor of Science: 2014

Subjects: Chemistry, Physics, Mathematics

Ewing Christian College, University of Allahabad,

Prayagraj, Uttar Pradesh, India

Senior Secondary & Secondary: From 2009 to 2011

Crothwaite Girls Inter College, Prayagraj, Uttar Pradesh, India.

U.P. Board

ACHIEVEMENTS (FELLOWSHIP AND AWARDS)

- Qualified all India level examination, Joint CSIR-UGC Test for the Junior Research Fellowship (JRF) and Eligibility for Lectureship (NET) held on 20-12-2015
- Qualified all India level examination, Graduate Aptitude Test in Engineering (GATE-2017)
- Qualified all India level examination, Joint Admission Test for M.Sc. (IIT JAM – 2014)
- Best Paper award in 15th National Conference organized by Indian Science Congress Association, Department of Chemistry, University of Allahabad, Prayagraj, India, March 17-18, 2021.
- Best Paper award in one day Seminar organized by Ewing Christian College, Prayagraj on “Role of natural and synthetic compounds in the service of mankind”.

RESEARCH INTEREST

PUBLICATION:

1. **Deepali Jaiswal**, Jyoti Tiwari, Shailesh Singh, Kartikey, Jaya Singh, Jagdamba Singh. Visible-Light-Mediated Decarboxylative Thiocyanation of Cinnamic acids: An Efficient Photocatalytic Approach to the Synthesis of (*E*)-Vinyl Thiocyanates. *Catal. Letters.*, 2020, DOI- 10.1007/s10562-020-03414-6.
2. Shailesh Singh, Jyoti Tiwari, **Deepali Jaiswal**, Amit Kumar Sharma, Jaya Singh, Vandana Singh, Jagdamba Singh. Nucleophilic Acylation with Aromatic Aldehydes to 2-Bromoacetonitrile: An Umpolung Strategy for the Synthesis of Active Methylene Compounds. *Curr. Org. Synth.*, 2020, 17, 518-524.
3. Amit Kumar Sharma, Anjali Jaiswal, Anu Mishra, Jyoti Tiwari, **Deepali Jaiswal**, Shailesh Singh, Jaya Singh, Jagdamba Singh. Visible-Light-Induced Radical Cascade Cyclization of Pyrazoles Bearing a Coumarin Unit. *New J. Chem.*, 2020, 44, 13350-13356.

4. Jyoti Tiwari, Swastika Singh, **Deepali Jaiswal**, Amit Kumar Sharma, Shailesh Singh, Jaya Singh, and Jagdamba Singh. Supramolecular Catalysis: An Efficient and Sustainable Multicomponent Approach to the Synthesis of Novel Hexahydro-4H-indazol-4-one Derivatives. *Current Catalysis.*, 2020. DOI-[10.2174/2211544709999200614165508](https://doi.org/10.2174/2211544709999200614165508).
5. **Deepali Jaiswal**, Jyoti Tiwari, Shailesh Singh, Amit Kumar Sharma, Jaya Singh, Jagdamba Singh, Rose Bengal Catalyzed Coupling of 1, 2 - Dicarbonyls and Phenylene 1, 2 -Diamines: Visible-Light Mediated Synthesis of Quinoxalines. *Chemistry Select.*, 2019, 4, 8713-8718.
6. Amit Kumar Sharma, Jyoti Tiwari, **Deepali Jaiswal**, Shailesh Singh, Jaya Singh, Jagdamba Singh, Organophotoredox catalysis: Visible-Light-Induced Multicomponent Synthesis of Chromeno [4, 3-b]chromene and Hexahydro-1H-xanthene derivatives: *Curr. Organocatal.*, 2019, 6, 222-230.
7. Jyoti Tiwari, Swastika Singh, **Deepali Jaiswal**, Shailesh Singh, Amit Kumar Sharma, Jaya Singh, Jagdamba Singh. Glycerol Micellar Catalysis: An Efficient Multicomponent-Tandem Green Synthetic Approach to Biologically Important 2, 4-Disubstituted Thiazole Derivatives. *Chemistry Select.*, 2018, 3, 11634-11642.
8. **Deepali Jaiswal**, Jyoti Tiwari, Shailesh Singh, Amit Kumar Sharma, Jaya Singh, Jagdamba Singh. Sarcosine as a Novel and Recyclable Organocatalyst: A Greener Approach Towards the Synthesis of Multisubstituted Pyrazole Derivatives. *Curr. Organocatal.*, 2018, 5, 229-238.
9. **Deepali Jaiswal**, Anu Mishra, Pratibha Rai, Madhulika Srivastav, Bhartendu Pati Tripathi, Snehlata Yadav, Jaya Singh and Jagdamba Singh. A Visible Light-Initiated, One-Pot, Multi-Component Synthesis of 2-Amino-4-(5-hydroxy-3-methyl-1H-pyrazol-4-yl)-4H-Chromene-3-Carbonitrile Derivatives under Solvent- and Catalyst-free conditions. *Res. Chem. Intermed.*, 2018, 44, 231–246.
10. Shailesh Singh, Jyoti Tiwari, **Deepali Jaiswal**, Amit Kumar Sharma, Jaya Singh, Vandana Singh, Jagdamba Singh. Organocatalyst Mediated One-Pot Synthesis of 4H-furo[3,4-b]pyran, 4H-benz [g]chromene and 1H-benzo[b]xanthene Derivatives in Aqueous Medium: A Green approach. *Curr. Organocatal.*, 2018, 5, 51-57.
11. Jyoti Tiwari, Swastika Singh, Fatima Tufail, **Deepali Jaiswal**, Jaya Singh, Jagdamba Singh. An Efficient, Convenient and One-pot Synthesis of Diversified Benzochromenes Using L-valine as an Organocatalyst: A Green Protocol. *Current Catalysis.*, 2018, 7, 202-208.

12. Snehlata Yadav, Madhulika Srivastava, Pratibha Rai, Anu Mishra, Bhartendu Pati Tripathi, **Deepali Jaiswal**, Jaya Singh, Jagdamba Singh. Molecular Iodine Catalyzed: Visible Light Initiated New Strategy for the Synthesis of Quinoxaline Derivatives via Aerobic Oxidation. *Curr. Phys. Chem.*, 2017, 7, 182-190.
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WORKSHOPS AND CONFERENCES ATTENDED

1. A paper presented on “*Visible-light-mediated decarboxylative thiocyanation of cinnamic acids: An efficient photocatalytic approach to the synthesis of (E)-vinyl thiocyanates*” in the **Young Scientist Conference as a part of India International Science festival 2020** Organised by the Ministry of Science and Technology, Ministry of Earth Science and Ministry of Health and family Welfare, Gov. of India in collaboration with VijnanaBharti (VIBHA), December 22-24, 2020.
2. A paper presented on “*Rose Bengal catalyzed coupling of 1, 2 -dicarbonyls and phenylene 1, 2 -diamines: visible-light mediated synthesis of quinoxalines*” in National conference on “**Science and Technology: Rural Development**” organized by Indian Science Congress Association, hosted by DrShakuntalaMisra National Rehabilitation University, Lucknow, February 8-9 ,2020.
3. A paper presented on “*Sarcosine as a novel and recyclable organocatalyst: A greener approach towards the synthesis of multisubstituted pyrazole derivatives*” in National Seminar on “**Sustainable Development in India: Issues and Challenges**” organized by SarojLalJiMehrotra Science Faculty, S. S. Khanna Girls Degree College Prayagraj, India, November 27-28, 2018.
4. A paper presented on “*A visible light initiated, one-pot, multi-component synthesis of 2-amino-4-(5-hydroxy-3-methyl-1H-pyrazol-4-yl)-4Hchromene-3-carbonitrile derivatives under solvent- and catalyst-free condition*” in National Seminar on “**Reaching the Unreached through Science and Technology**” organized by Indian Science Congress Association, Department of Chemistry, University of Allahabad, Prayagraj, India, February 24-25, 2018.
5. A paper presented on “*I₂ mediated highly functionalized one-pot multicomponent synthesis of pyrazole moiety in water*” in National Seminar on “**Science and Technology for National Development**” organized by Indian Science Congress

Association, Department of Chemistry, University of Allahabad, Prayagraj, India,
February 11-13, 2017.

SKILLS

- Profound reading, writing and speaking fluency in Hindi and English language.
 - Basic computer knowledge in softwares like MS-office and Chem. Draw.
 - Profound knowledge in the research based softwares.
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