## **CURRICULUM VITAE**

1.	Name	:	Dr. Jyoti Tiwari
2.	Father's Name:	Mr.	Ravi Prakash Tiwari
3.	Husband's Name	:	Dr. Rahul Mishra
4.	Gender :	Fem	ale
5.	Date of Birth	:	30th December, 1991
6.	Residence	:	343, Chakiya Gharahara, Sahson Prayagraj- 221507
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9. Educational Qualification

SN	Class /Degree	Board/University	Year	Division
1	High School	UP Board	2007	First
2	Intermidiate	UP Board	2009	First
3	B. Sc.	University of Allahabad	2012	First
4	M. Sc.	University of Allahabad	2014	First
5	D. Phil.	University of Allahabad	2019	Awarded

**Teaching Experience:** Worked as **Asst. Prof. (Guest Faculty)** in the **department of Chemistry,** University of Allahabad in the session 2019-2020.

**Present work:** Working as Chemist in Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (**UPRVUNL**) in Sonbhadra, U. P.

## **List of Publications:**

1. S. Singh, J. Tiwari, D. Jaiswal, A. K. Sharma, J. Singh, V. Singh, J. Singh, (2018) "Organocatalyst Mediated One Pot Synthesis of 4H-furo[3,4-b]pyran, 4Hbenzo[g]chromene and 1H-benzo[b]xanthene Derivatives in Aqueous Medium: A Green Approach" *Current Organocatalysis*, 5, 51-57.

2. D. Jaiswal, **J. Tiwari,** S. Singh, A. K. Sharma, J. Singh & J. Singh, (2018) "Sarcosine as a Novel and Recyclable Organocatalyst: A Greener Approach Towards the Synthesis of multi-substituted Pyrazole Derivatives" *Current Organocatalysis*, 5, 229-238.

3. **J. Tiwari**, S. Singh, D. Jaiswal, A. K. Sharma, S. Singh, J. Singh, J. Singh, (2020) "Supramolecular Catalysis: An Efficient and Sustainable Multicomponent Approach to the Synthesis of Novel Hexahydro-4H-indazol-4-one Derivatives" *Current Catalysis*, 9, 1-10.

4. S. Singh, **J. Tiwari**, D. Jaiswal, A. K. Sharma, J. Singh, V. Singh, J. Singh, (2020) "Nucleophilic Acylation with Aromatic Aldehydes to 2 Bromoacetonitrile: An Umpolung Strategy for the Synthesis of Active Methylene Compounds" *Current Organic Synthesis*, 2020, 17, 1-7.

5. A. K. Sharma, A. Jaiswal, A. Mishra, **J. Tiwari,** D. Jaiswal, S. Singh, J. Singh and J. Singh, (2020) "Visible-Light-Induced Radical Cascade Cyclization of Pyrazoles bearing a coumarin unit." *New Journal of Chemistry*, 44, 13350-13356.

6. J. Tiwari, S. Singh, D. Jaiswal, A. K. Sharma, S. Singh, J. Singh, J. Singh, (2018) "An Efficient, Convenient and One-pot Synthesis of Diversified Benzochromenes Using L-valine as an Organocatalyst: A Green Protocol" *Current Catalysis*, 7, 202-208.

7. J. Tiwari, S. Singh, F. Tufail, D. Jaiswal, J. Singh, and J. Singh, (2018) "Glycerol Micellar Catalysis: An Efficient Multicomponent-Tandem Green Synthetic Approach to Biologically Important 2, 4-Disubstituted Thiazole Derivatives, *ChemistrySelect*, 3, 11634-11642.

8. D. Jaiswal, **J. Tiwari,** S. Singh, A. K. Sharma, J. Singh, J. Singh (2019) "Rose bengal catalyzed coupling of 1, 2 - dicarbonyls and phenylene 1, 2 -diamines: Visible-light mediated synthesis of quinoxalines". *ChemistrySelect*, 4, 8713–8718

9. A. K. Sharma, **J. Tiwari**, D. Jaiswal, S. Singh, J. Singh, J. Singh (2019) Organophotoredox catalysis: visible-light-induced multicomponent synthesis of chromeno[4, 3-b]chromene and hexahydro-1H-xanthene derivatives. *Current Organocataysis*, 6, 1-9.

10. F. Tufail, M. Saquib, S. Singh, J. Tiwari, M. Singh, J. Singh, and J. Singh, (2018) "A Practical Green Approach to Diversified Spirochromene/Spiropyran Scaffolds via a Glucose-Water Synergy Driven Organocatalytic System," *New Journal of Chemistry*, 42, 17279-17290.

11. F. Tufail, M. Saquib, S. Singh, **J. Tiwari**, J. Singh, and J. Singh, (2017) "Catalyst-Free, Glycerol-Assisted Facile Approach to Imidazole-Fused Nitrogen-Bridgehead Heterocycles," *ChemistrySelect*, 2, 6082-6089.

12. J. Tiwari, S. Singh, M. Saquib, F. Tufail, J. Singh, and J. Singh, "Organocatalytic Mediated Green Approach: A Versatile New L-Valine Promoted Synthesis of Diverse and Densely Functionalized 2-Amino-3-Cyano-4H Pyrans," *Synthetic Communications*, 48 (2018): 188-196.

13. **J. Tiwari**, M. Saquib, S. Singh, F. Tufail, J. Singh, and J. Singh, (2017) "Catalyst free glycerol mediated green synthesis of 5'-thioxospiro[indoline-3,3'-[1,2,4]triazolidin]-2-ones/spiro[indoline-3,3'-[1,2,4]triazolidine]-2,5'-diones," *Synthetic Communications*, 47, 1999-2006;

14. F. Tufail, M. Saquib, S. Singh, J. Tiwari, M. Singh, J. Singh, and J. Singh, (2017) "Bioorganopromoted Green Friedl€ander Synthesis: A Versatile New Malic Acid Promoted Solvent Free Approach to Multisubstituted Quinolines," *New Journal of Chemistry*, 41, 1618-1624.

15. **J. Tiwari,** M. Saquib, S. Singh, F. Tufail, M. Singh, J. Singh, and J. Singh, (2016) "Visible Light Promoted Synthesis of Dihydropyrano[2,3-c]chromenes via a Multicomponent-Tandem Strategy under Solvent and Catalyst Free Conditions," *Green Chemistry*, 18, 3221-1332.

16. S. Singh, M. Saquib, M. Singh, **J. Tiwari**, F. Tufail, J. Singh, and J. Singh, (2016) " A Catalyst Free, Multicomponent-Tandem, Facile Synthesis of Pyrido[2,3-d]pyrimidines Using Glycerol as a Recyclable Promoting Medium," *New Journal of Chemistry*, 40, 63-67.

17. S. Singh, M. Saquib, **J. Tiwari**, F. Tufail, J. Singh, and J. Singh (2017) "Glycerol as an efficient recyclable green promoting media for catalyst free single- pot synthesis of densely functionalized 4H-Chromenes" *Heterocyclic letters*, 7, 705-720.

18. S. Singh, M. Saquib, **J. Tiwari**, F. Tufail, J. Singh, and J. Singh, (2017) "Glycerol Promoted Synthesis of Tetrahydrocyclopenta [b]pyran via a Multicomponent-Tandem Strategy Under Catalyst free Conditions" *Heterocyclic letters*, 7, 907-917.

19. F. Tufail, M. Saquib, A. Mishra, J. Tiwari, S. P. Verma, P. Dixit, J. Singh & J. Singh, (2020) "Potash Alum as a Sustainable Heterogeneous Catalyst: A One-Pot Efficient

Synthesis of Highly Functionalized Pyrrol-2-ones and Furan-2-ones" *Polycyclic Aromatic Compounds*, DOI: 10.1080/10406638.2020.1768415.

## List of Conferences/Seminars/Workshops Attended and Presentations

- A national conference attended on "Chemistry at the Interface Of Innovative Researches in Science and Technology" organized by Department of Chemistry, University of Allahabad, Allahabad, India, Feb 27-28, 2014.
- An Author Workshop Attended which is organized by Springer and University of Allahabad, Allahabad, India, 30<sup>th</sup> October, 2015.
- **3.** A paper presentedon "*Construction of five membered heterocyclic Scaffold via* [3+2] *cycloaddition reaction in aqueous micellar system*" in a National symposium on "**Science and Technology for Human Development**" organized by Indian Science Congress Association, Department of Chemistry, University of Allahabad, Allahabad, India 14-15 March 2015.
- 4. A paper presented on "Catalyst free, multicomponent-tandem facile synthesis of pyrido[2,3-d]pyrimidines using glycerol as a recyclable promoting medium" in a National symposium on "Science and Technology for National Development" organized by Indian Science Congress Association, Department of Chemistry, University of Allahabad, Allahabad, India February 19-21, 2016.
  - 5. A paper presented on "Visible Light Driven Synthesis of Functionalized, Dihydropyrano[2,3c]chromenes via a Multicomponent-Tandem Strategy under Solvent and Catalyst Free Conditions" in a National Symposium on "Chitin & Chitosan Science: A Research Gateway" organized by Department of Chemistry, Motilal Nehru National Institute of Technology, Allahabad, India, December 14-20, 2016.
  - 6. A paper presented on "Visible Light Promoted Synthesis of Dihydropyrano[2,3c]chromenes under Solvent and Catalyst Free Conditions and its spectroscopy characterization" in International Symposium-cum-workshop on "Laser Induced Breakdown Spectroscopy" organized by Department of Physics, University of Allahabad, Allahabad, India, February 19-21, 2018.
  - 7. A paper presented on "Catalyst free glycerol mediated green synthesis of 5'thioxospiro[indoline-3,3'-[1,2,4]triazolidin]-2-ones/spiro[indoline-3,3'-[1,2,4] triazolidine]-2,5'-diones" in National Seminar on "Reaching the Unreached through Science and Technology" organized by Indian Science Congress Association,

Department of Chemistry, University of Allahabad, Allahabad, India, February 24-25, 2018.

- 8. A paper presented on "Supramolecular Catalysis: An Efficient Sustainable Multicomponent Approach to Novel Diversified Pyrazoline Derivatives" in National Seminar on "Sustainable Dvelopment in India: Issues and Challenges" organized by Saroj Lal Ji Mehrotra Science Faculty S. S. Khanna Girls Degree College Allahabad, India, November 27-28, 2018.
  - 9. A paper presented on "Organocatalytic mediated green approach: A versatile new L-valine promoted synthesis of diverse and densely functionalized 2-amino-3-cyano-4H-pyrans" in National Seminar on "Future India: Science and Technology" organized by Indian Science Congress Association, Department of Chemistry, University of Allahabad, Allahabad, India, February 22-24, 2019.

## Awards and Honours:

- Qualified National Eligibility test (CSIR-JRF/NET) conducted by CSIR in December, 2013 and obtained 38 ranks in all over India.
- > Qualified Graduate Aptitude Test in Engineering (GATE) in 2014.
- Awarded Junior Research Fellowship (CSIR-JRF) from 22-09-2014 t0 30-09-2016.
- Awarded Senior Research Fellowship (CSIR-SRF) from 01-10-2016 to 30-06-2019.