

CURRICULUM VITAE

Dr. ABHISHEK UPADHYAY

Assistant Professor
Department of Chemistry
B.S.N.V. Postgraduate College (K.K.V.)
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Personal details

Gender	Male
Marital status	Married
Nationality	Indian
Date of birth	July 8, 1987

Academic Qualifications

Degree/ Certificate	Institute	Year of award
Graduation	University of Allahabad	2008
Post-graduation	University of Allahabad	2011
B.Ed.	C.S.J.M. University, Kanpur	2012
NET	CSIR-UGC	2013
Ph.D.	University of Allahabad	2019

Ph.D. Supervisor: Prof. R. K. P. Singh, Electrochemical laboratory of Green synthesis, Department of Chemistry, University of Allahabad, Prayagraj U.P. 211002

Thesis title --“ELECTRO ORGANIC SYNTHESIS, A NOVEL SYNTHETIC ROUTE OF ORGANIC COMPOUNDS.”

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PROFESSIONAL EXPERIENCE (In Years)

Teaching Experience: 3 (UG)

Research Experience: 8

Research Interest:

My research interest is basically focused on exploring novel methodologies for the synthesis of biologically important heterocyclic compounds.

Research Area:

- Synthetic Organic Chemistry.
- Heterocyclic Chemistry
- Synthetic Catalysis
- Computational Chemistry

Research outcome:

I have published **7 research papers** in various reputed international and national journals such as **Tetrahedron Letters, New journal of chemistry (RSC) etc.** with high impact factors.

Professional Competence:

- Development of new methodologies for organic synthesis.
- Capable of collaborative and independent research.
- Maintain good interpersonal relationships.
- Demonstrated skills in spectroscopic and chromatographic techniques.
- Identifying research problems and solving them independently.
- Analysis by spectroscopic data *viz.*, NMR, HPLC, mass spectra and IR.

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List of Publications

- 1) *An efficient one pot three component synthesis of fused pyridines via electrochemical approach.* **Tetrahedron Letters**, 2016, 57, 5599, **Abhishek Upadhyay**, Laxmikant sharma, Vinay Kumar singh, Rana Krishna Pal Singh*.
- 2) *Zinc-mediated synthesis of 3-Alkynyl-3-hydroxyindolin-2-ones by addition of iodoalkynes to isatins.* **Tetrahedron letters**, 2017, 58, 156-158, Vinay K. Singh, **Abhishek Upadhyay**, Rana Krishna Pal Singh.*
- 3) *Electrocatalytic one pot synthesis of medicinally relevant 4H benzo[g]chromene and pyrano[2,3-g]chromene scaffold via multicomponent-domino approach.* **Tetrahedron Letters**, 2017, 58, 4323- 4327, **Abhishek Upadhyay**, Laxmi Kant Sharma, Vinay K. Singh, Rahul Dubey, Narendra Kumar, Rana Krishna Pal Singh*
- 4) *Electrochemical approach for synthesis of 3-substituted indole derivatives.* **Tetrahedron Letters**, 2017, 58, 407- 410, Vinay K. Singh, Rahul Dubey, **Abhishek Upadhyay**, Rana Krishna Pal Singh.*
- 5) *Electrochemically induced one pot synthesis of 1,4-dihydropyrano [2,3-c]-pyrazole-5-carbonitrile derivatives via a four component-tandem strategy.* **Tetrahedron Letters** 2017, 58, 1245-1249, **Abhishek Upadhyay**, Laxmi Kant Sharma, Vinay K. Singh, Rahul Dubey, Narendra Kumar, Rana Krishna Pal Singh*
- 6) *A convenient electro-catalyzed multicomponent synthesis of 4H-thiopyran derivatives.* **New journal of chemistry**, 2017, 41, 7836-7839, R. Dubey, V.K. Singh, Laxmi Kant Sharma, **Abhishek Upadhyay**, Narendra Kumar and Rana Krishna Pal Singh.*
- 7) *An efficient one pot four-component synthesis of spiro[indoline-3,4'-pyrano[2,3-c]pyrazole] derivatives via electrochemical approach.* **Asian journal of chemistry**, 2021, 33, 1685-1691, **Abhishek Upadhyay***, R. K. P. Singh.

Symposium, Conferences and workshop:

- Participated in 22nd ISCB **International Conference** (ISCBC-2016) on **Indian Society of Chemists & Biologists** on “Recent trends in Affordable and Sustainable Drug Discovery and Development” held at

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Uka Tarsadia University Surat, Gujrat, India (Feb 6-8, 2016).

- Participated in [International Conference](#) (ICRAMCS-2016) on “**Recent Advances in Material and Chemical Sciences**” at Department of Chemistry, Bundelkhand University, Jhansi, U.P., India (March 2-5, 2016)
- Participated in [National Seminar](#) (ISCA-2016) Allahabad on “**Science and Technology for Indigenous Development in India**” at Department of Chemistry, University of Allahabad, Allahabad (Feb 19-21, 2016).
- Participated in [7 days short term training program](#) on “**Chitin & Chitosan Science: A Research Gateway**” organized by Department of Chemistry, Motilal Nehru National Institute of Technology, Allahabad (December 14-20, 2016).
- Participated in [National Seminar](#) (ISCA-2017) Allahabad on “**Science and Technology for National Development**” at Department of Chemistry, University of Allahabad, Allahabad (Feb 11- 13, 2017).
- Participated in [National Seminar](#) (ISCA-2018) Allahabad on “**Reaching the Unreached through Science and Technology**” at Department of Chemistry, University of Allahabad, Allahabad (Feb 24- 25, 2018).
- Participated in [International Conference-cum-Workshop](#) (MMISLIBS-II 2018) on “**Laser Induced Breakdown Spectroscopy** ” at Department of Physics, University of Allahabad, Allahabad, U.P., India (February 19-21, 2018)
- Participated in [International Conference](#) (BioSangam 2018) on “**Innovation and Translational Dimensions: Food, Health and Environmental Biotechnology**” at Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad, U.P., India (March 9-11, 2018).
- Participated in [National Seminar](#) (NSCSEES- 2019) on “**Consumerism, Social Equity and Environmental Sustainability**” at B.S.N.V. Postgraduate College (KKV), Lucknow, U.P., India (Feb 1-2, 2019).
- Participated in [National Seminar](#) (NSPSSEAI- 2020) on “**Prospect of Science & Society in the Era of AI**” at B.S.N.V. Postgraduate College (KKV), Lucknow, U.P., India, in association with Vigyan Bharti and The institution of Engineers (March 3-4, 2020).
- Participated in [National Webinar](#) on “**The role of chemistry in sanitization and personal hygiene in context of COVID-19** ” at Department of Chemistry, B.S.N.V. Postgraduate College (KKV), Lucknow, U.P.,

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India (May 19, 2020).

- Participated in [National Webinar](#) on “**Role of mathematical modeling in the perspective of COVID-19 Pandemic**” at B.S.N.V. Postgraduate College (KKV), Lucknow, U.P., India (Sep. 26, 2020).
- Participated as **Keynote Speaker** in [National Webinar](#) on “**Green Chemistry**” at Department of Chemistry, Janta College, Bakewar, Etawah, U.P., India, (Dec. 23, 2020).

I hereby declare that all the information given above is true to the best of my knowledge.



Abhishek Upadhyay