

Dr. ABHIJIT KANTANKAR



Designation: Assistant Professor

Qualifications: M.Sc. (Organic Chemistry), CSIR-NET, Ph.D. (Chemistry)

Alma Mater: Osmania University, Hyderabad, Telangana University, Nizamabad.

Awards & Recognitions:

- Received State Level First Prize in JIGNASA-2018 Study Project in Chemistry conducted by CCE, Telangana State.
- Received State Level Second Prize in JIGNASA-2020 Study Project in Chemistry conducted by CCE, Telangana State.

Teaching Experience: 12years

Research Experience: 8years

Additional Responsibilities/Contribution: NIRF Nodal Officer, Website Coordinator and Member of IQAC.

Number of Seminars/Conferences/Workshops attended:

International Level: 03,

National Level: 32,

State Level: 02.

Research Interest: Organic synthesis, Heterocyclic chemistry, Phyto-remediation, Phyto-absorption, Environmental Chemistry

Projects: “A Review on Analysis and Impact of Absorption and Assimilation of Physiologically Active Organic Drug Molecules and Their Complexes by Plants” (UGC-SERO Sponsored Minor Research Project, No.F.MRP-5569/15 GEN/(UGC-SERO)).

Memberships: 1. Life member of association of environmental Analytical Chemistry of India (AEACI), BARC, Trombay, Mumbai, India.

2. Member of Division of Organic Chemistry (DOC), American Chemical Society (ACS), Washington, DC, USA.

Research Papers:

1. **Abhijit, K.**, and Latha, P., A Quantitative Analysis of Chlorophyll Depletion by Aspirin and Paracetamol in *Oryza sativa*, *J. Pharmacy and Chemistry* , **2015**, 9(4), 3-5.
2. **Abhijit Kantankar***, P. Latha, L. Sandeep, D. Rashi And J. Venkatesh, Impact of ASA (Acetyl salicylic acid) and APAP (Acetyl para aminophenol) on morphological characteristics and yield formation of tomato plant (*Solanum lycopersicum l.*), *Ejpmr*, **2016**,3(11), 541-547.
3. **Abhijit, K.**, and Latha, P., Effect of physiologically active organic compounds like drugs on growth, development and yield formation of rice (*Oryza sativa*), *ijmart*, **2016** Volume III, Issue 1(1), 73-84.
4. Sunitha, M., **Abhijit, K** and *et. al.*, Impact of Effluents of Agro-based industries on ground water quality of Nizamaba District, *Int.J.Modern Chem. & Appl.Sci.*, **2016**, 3(2), 341- 343.
5. **Abhijit, K.**, Sirisha, G., Prasanna, M., Ayesha Nazneen, and Sushma, S., Quantitative analysis of absorption of APAP and ASA by *Oryza sativa L.* plants under variable pH conditions, *J. Applicable Chem.*,2019, 8(5), 2045-2050.
6. Y.Jayaprakash Rao and **K.Abhijit**, Synthesis of Novel Functionalized Pyrano Annulated/Oxazolone Pendent Chromone Derivatives as Potent Anti-Diabetic Agents, *Russ J Gen Chem.*, **2020**, 90, 1074–1082.
7. Rao, Y.J., **Abhijit, K.**, Mallikarjun, G. Hemasri, Y. Design and synthesis of novel benzyloxy-tethered-chromone-carboxamide derivatives as potent and selective human monoamine oxidase-b inhibitors. *Chem. Pap.*, **2021**, 75, 703–716.
8. **Kantankar, A.**, Rao, Y.J., Mallikarjun, G., Hemasri, Y., Kethiri, R.R., Rational design, synthesis, biological evaluation and molecular docking studies of chromone-pyrimidine derivatives as potent anti-cancer agents, *J.Mol.Struct.*,

2021, 1239, 130502.

9. **Kantankar et al.**, Impact of Paracetamol and Aspirin on Germination of Paddy Seeds (*Oryza Sativa L.*), *Madhya Bharti*, 13(82), 142-144.
10. **Kantankar et al.**, Impact of Pharmaceutical Effluents on Agroecosystem, *Madhya Bharti*, 13(82), 135-137.
11. **Kantankar et al.**, Electro Kinetic Enhanced Phytoremediation of ASA and APAP by *Oryza sativa L.* Plants, *Shodhasamhita : Journal of Fundamental & Comparative Research*, II(VIII), 34-36.

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Refresher Courses, Orientation Courses, Short-term Courses and Faculty

Development Programmes:

1. Attended and successfully completed Three week Refresher Course on Environmental Studies (Interdisciplinary) conducted by UGC-ASC-Osmania University, Hyderabad from 01.08.2012 to 25.08.2012.
2. Attended and successfully completed Four week Orientation Course conducted by UGC-ASC- University of Hyderabad, Hyderabad from 13.09.2013 to 10.10.2013.
3. Attended and completed Three week Refresher Course on Recent Trends in Chemical Sciences conducted by HRDC-University of Hyderabad, Hyderabad from 13.07.2016 to 02.08.2016.
4. Attended and successfully completed Three Day Short-term training programme on Mainstreaming Environment and Climate Science in Higher Education conducted Dr.MCR HRD Institute of A.P., Hyderabad from 26.06.2013 to 28.06.2013.
5. Attended and successfully completed One Week Short-term FIP course on ICT Tools in Higher Education conducted UGC-HRDC-RUSA, Osmania University, and Hyderabad from 28.08.2020 to 26.08.2020.
6. Attended and successfully completed Two Week Refresher Course on Drug Discovery, Drug Development and Analytical Interpretation of Data in

Pharmaceutical Research conducted by HRDC-JNTU, Hyderabad from 12.07.2021 to 26.07.2021.

7. Attended and successfully completed Two Week Refresher Course on Drug discovery, Drug development and Analytical interpretation of data in Pharmaceuticals research HRDC-JNTU, Hyderabad from 11.07.2022 to 22.07.2022.