

CURRICULUM VITAE

Name: Dr. Dnyaneshwar Irappa Bhusanur

Designation: Academic Coordinator (Assistant Professor Level)

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Education:



Doctor of Philosophy	University: Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad Discipline: Science Year of Passing: 2023 Research Topic: Design, Synthesis, Self-Assembly and Sensing Applications of Functionalized Tetraphenylethylene
Master of Science	University: Savitribai Phule Pune University Discipline: Science Year of Passing: 2016 Dissertation Topic: In Vitro Study of Synthesized 3-Quinolinecarbaldehyde through Vilsmeier–Haack Cyclisation of N-arylacetamide and their Hydrazones
Bachelor of Science	University: Shivaji University, Kolhapur Discipline: Science Year of Passing: 2014

Work Experience:

Position held	Name of the Organization / Institution	Duration			Responsibilities Performed
		From	To	Years	

Academic Coordinator (Assistant Professor Level)	Yashwantrao Chavan Maharashtra Open University	10/03/2024	Till Today		Programme Coordinator: V92: B.Sc. (Phy, Chem, Maths) {2015 Pattern} V100: B.Sc. (Bot, Chem, Zoo) {2023 Pattern} V142: M.Sc. Chemistry {2022 Pattern} V154: M.Sc. Chemistry {2023 Pattern} - Currently working for the UGV02: B.Sc. (Honours) (Chemistry) {2025 Pattern} curriculum development and Coordination of SLM as per NEP-2020.
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Awards and Achievements:

1.	Secured All India Rank of 2406 (AIR 2406) in the Graduate Aptitude Test in Engineering (GATE) conducted by IIT Guwahati in 2018.
2.	Secured All India Rank of 100 (AIR- 100) in the CSIR-UGC NET conducted by the Council of Scientific and Industrial Research (CSIR) in Dec 2017.
3.	Secured All India Rank of 61 (AIR- 61) in the CSIR-UGC NET conducted by the Council of Scientific and Industrial Research (CSIR) in June 2017.

Conferences Attended:

1.	Successfully Completed the NEP2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP), University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi from 17 th to 25 th June 2025.
2.	Successfully Completed the Training of Trainer on Curriculum Pedagogy and Assessment held from 19 th to 3 rd May 2025 Organised by Maharashtra State Faculty Development Academy Pune, Maharashtra, India.
3.	Participated in National Level Workshop on “Research Paper Writing” On 26 th & 27 th November 2024, Organised by Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra, India.
4.	Participated in the Faculty Development Programme (FDP) on “Design, Develop & Deliver

	Online/Blended Learning Courses” held from 29 th April to 5 th May 2024, Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra, India.
5.	Delivered a talk entitled “Design, synthesis, crystallization and self-assembly of isoindigo tetraphenylethylene conjugate” in the two-day national symposium on “Emerging Materials: Chemistry and Challenges” 2022, at Rajarshi Shahu Mahavidyalaya, Latur, Maharashtra, India.
6.	Participated in the two-day national symposium on “Symposium on Polymers and Advanced Material for Coatings and Energy (SPACE-22)” 2022, organized by Centre of Excellence on Polymers Coatings, held at CSIR-Indian Institute of Chemical Technology, Hyderabad, India.
7.	Participated in the two-day national symposium on “2 nd Indo-Korea Virtual Conference on Development of Advanced Material for Future Technologies, 2021” Organized by KAIST, Daejeon, South Korea and Vellore Institute of Technology, Chennai, India.
8.	Participated in the International Conference on “Herbal and Synthetic Drug Studies- HSDS-2016” Organized by Abeda Inamdar Senior College of Arts, Science and Commerce (Autonomous), Pune, Maharashtra, India.

Publications:

Sr. No.	Title of the Research Paper	Name of the Journal / Publisher	Year of Publication
1.	Synthesis, crystal structure and supramolecular self-assembly of tetraphenylethylene subunit appended isoindigo derivatives	Journal of Molecular Structure	2022
2.	Novel merocyanine-derived receptor: Synthesis, crystal structure and picric acid recognition, spectroscopic and theoretical study	Journal of Molecular Structure	2023
3.	Thiophene functionalized naphthalene diimide for the sensitive detection of nitroaromatics	Indian Journal of Chemistry (IJC)	2023
4.	Synthesis and evaluation of phosphonato-triphenylamine fluorophore as a highly sensitive chemosensor for nitroaromatics	Journal of Photochemistry and Photobiology A: Chemistry	2023
5.	Aminobenzothiazole fused tetraphenylethene AIEgen: Ag ⁺ , Hg ²⁺ and Fe ³⁺ sensing applications in aqueous medium.	Journal of Photochemistry and Photobiology A: Chemistry	2024
6.	Synthesis, Photophysical Properties and Self-Assembly of a Tetraphenylethylene-Naphthalene Diimide Donor-Acceptor Molecule.	Chemistry–An Asian Journal	2024
7.	Synthesis of octa-benzothiazole	Journal of Photochemistry and	2024

	functionalized tetraphenylethylene and their explosive sensing properties.	Photobiology A: Chemistry	
8.	Pyrimido Fused Benzothiazole-Tetraphenylethylene Chromophore: Design, Synthesis, Mechanochromic, AIE Characteristics and Selective Detection of Fe ³⁺ ions.	Indian Journal of Chemistry (IJC)	2024
9.	Aggregation induced emission based on benzo[4,5] thiazolo[3,2-a]pyrimidine-3-carbonitrile fused tetraphenylethylene for visualization of latent fingerprints and anticounterfeiting applications	Journal of Molecular Structure	2025
Book Chapter			
1.	Design and construction of amphiphilic and bolaamphiphilic material based self-assembled micellar nanostructures.	Academic Press	2022

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(Dr. Dnyaneshwar I. Bhusanur)