

## 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-Quinolincarbaldehyde 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: 1. <b>V92: B.Sc. (Phy, Chem, Maths) {2015 Pattern}</b> 2. <b>V100: B.Sc. (Bot, Chem, Zoo) {2023 Pattern}</b> 3. <b>V142: M.Sc. Chemistry {2022 Pattern}</b>

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### **Awards and Achievements:**

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

### **Workshop & Conferences Attended:**

1.	Participated in a One-Day Workshop on “How to Write a Research Proposal to Secure Funding from ICSSR”, organized by Prof. Ram Takwale Research & Development Centre, 1 December 2025.
2.	Participated in a One-Day Workshop on “Right to Information Act 2005”, 28 November 2024.
3.	Participated in a National-Level Workshop on “Research Visibility, Ethical Publishing & Use of AI Tools in Research”, 19 & 20 November 2024.
4.	Participated in a One-Day Workshop on “Place-Based Education in Higher Education” by Prof. Asmund Asmas (University of South Eastern Norway) & Dr. Vaibhav Jadhav (Savitribai Phule Pune University), 10 November 2025.
5.	Participated in a One-Day Workshop on “Use of AI in Day-to-Day Work & Research”, organized by Prof. Ram Takwale Research & Development Centre, 23 August 2025.
6.	Participated in a One-Day Workshop on “Online Course Development” by the School of Digital Education, 30 July 2025.
7.	Participated in a One-Day Workshop on “Reading for Researchers”, organized by Prof. Ram Takwale Research & Development Centre, 4 July 2025.
8.	Participated in a Two-Day Online Workshop on “Data Analysis”, organized by Prof. Ram Takwale Research & Development Centre, 2 & 3 July 2025
9.	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 <sup>th</sup> to 25 <sup>th</sup> June 2025.
10.	Participated in a Two-Day Online Workshop on “Script Writing & PPT Designing”, organized by Prof. Ram Takawale Research & Development Center, 5 & 6 June 2025.

11.	Successfully Completed the Training of Trainer on Curriculum Pedagogy and Assessment held from 19 <sup>th</sup> to 3 <sup>rd</sup> May 2025 Organised by Maharashtra State Faculty Development Academy Pune, Maharashtra, India.
12.	Participated in National Level Workshop on “Research Paper Writing” On 26 <sup>th</sup> & 27 <sup>th</sup> November 2024, Organised by Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra, India.
13.	Participated in the Faculty Development Programme (FDP) on “Design, Develop & Deliver Online/Blended Learning Courses” held from 29 <sup>th</sup> April to 5 <sup>th</sup> May 2024, Yashwantrao Chavan Maharashtra Open University, Nashik, Maharashtra, India.
14.	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.
15.	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.
16.	Participated in the two-day national symposium on “2 <sup>nd</sup> 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.
17.	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 <sup>+</sup> , Hg <sup>2+</sup> and Fe <sup>3+</sup> 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 functionalized tetraphenylethylene and their explosive sensing properties.	Journal of Photochemistry and Photobiology A: Chemistry	2024
8.	Pyrimido Fused Benzothiazole-Tetraphenylethene Chromophore: Design, Synthesis, Mechanochromic, AIE Characteristics and Selective Detection of Fe <sup>3+</sup> 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)**