

Mr. Dipak Uddhav Giram

Assistant Professor

Shri Guru Gobind Singhji Institute of Engineering and
Technology (SGGSIET), Nanded-431606

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Objective

To obtain a challenging position as an assistant professor, where I can utilize my passion for teaching, research expertise, and commitment to academic excellence to contribute effectively to the growth and development of students.

Educational Qualification

- **Ph. D. (Chemical Engineering)**
Visvesvaraya National Institute of Technology (VNIT), Nagpur.
Thesis Submitted (July, 2024)
Thesis Title: Synthesis, characterization, and application of modified ZnO nanomaterials for enhanced dye degradation
- **M. Tech. (Chemical Engineering)**
Laxminarayan Innovation Technological University (LITU), Nagpur.
Year of passing - 2019, CGPA-8.00
Thesis Title: Ultrasound-assisted preparation of doped zeolite as a photocatalyst for wastewater treatment
- **B. Tech. (Chemical Engineering)**
Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIE&T), Nanded.
Year of passing - 2016, CGPA -7.74

Teaching Experience

- Assistant professor (July, 2024- Present)

Teaching Assistant

- Worked as a teaching assistant for fluid mechanics, mechanical operation, and technical analysis laboratory

Courses Taught

- Chemical Process Calculations
- Heat Transfer
- Fluid mechanics
- Process Equipment Design & Drawing-II

Publications

- Giram D, Das A & Bhanvase B, Comparative study of ZnO-TiO₂ nanocomposites synthesized by ultrasound and conventional methods for the degradation of methylene blue dye, *Indian Journal of Chemical Technology*, 30 (2023) 693–704. DOI: 10.56042/ijct.v30i5.5200
- Giram D. & Das A., Synthesis and characterization of Fe doped ZnO nanoparticles for the photocatalytic degradation of eriochrome black-T dye, *Indian Journal of Chemical Technology*, 31 (1) (2024) 39–43. DOI: 10.56042/ijct.v31i1.4985
- Giram D. Shrivastav T. & Das A. Ultrasound-assisted synthesis of Fe doped TiO₂ nanoparticles for enhanced photocatalytic degradation of ciprofloxacin, *Journal of Scientific and Industrial Research*, 83 (2024) 711-720. DOI: 10.56042/jsir.v83i7.874
- Giram D. & Das A. Fe doped ZnO nanoparticles: Synthesis, characterization and its application for the photocatalytic degradation of Ciprofloxacin, *Materials today: Proceeding* (Under review)
- Giram D. & Das A. A review on Fe doped ZnO photocatalyst for dye degradation, *Journal of Chemical Reviews* (Under review)

Conferences and workshops

- International conference on “Advanced Sustainable Futuristic Materials (ASFM-2024)”, 26-27 April, 2024 at NEERI, Nagpur
- Virtual international conference on “Advance in Chemistry and Chemical Engineering2021(ACCE-2021)”, 16-17 April, 2021 at SVNIT, Surat
- Virtual international conference on “Green Technologies for Sustainable Development-2021(GTSD-2021)”, 09 -11 March, 2021 at DDU Nadiad, Gujrat
- Virtual national conference on “Emerging Science and Technology for Energy and Environment Management” (ESTEEM-2021)”, 21-22 January, 2021 at NIT Bhopal.
- Short term training program (STTP) on “Instrumentation Techniques for the Environmental Remediation & Hands-on Training (ITER-2024)”, 9-13 May, 2024 at SVNIT, Surat
- One-week FDP on “Research, Conception, Techniques and Publication (RCTP-2022)”, 5-9 December, 2022 at VNIT, Nagpur
- A five-day FDP on “Recent innovations in nanotechnology for sustainable

future”, 3-7October 2022 at VNIT, Nagpur

- One-week GIAN course on “Green Processing and Synthesis” 2-6 May, 2022 at VNIT, Nagpur
- A five-day online FDP on “Teaching and Learning Strategies for Frontiers in Membranes for Wastewater Treatment” 8-12 March, 2021 at NIT, Warangal
- Two-week Online AICTE sponsored FDP on Catalysis and Reaction Engineering, 22Feb-6 March at LIT, Nagpur
- One day HAZOP workshop in event “Azeotropy-15” at IIT, Bombay
- Participated in CHEM-E-TIMER event “Azeotropy-15” at IIT, Bombay

Achievements and Awards

- Gate qualified (AIR 1909)
- First prize in quiz competition (Chem-spark event) at SGGSI&T, Nanded
- National scholarship (July, 2029 – July, 2024)

Skills

- Computer skills: Microsoft word, Excel and Power point presentation (PPT)
- Research skills: Experimental Design, Data analysis and Academic writing
- Analysis skills: XRD, FTIR, UV-Visible, FESEM and EDS

Personal information

- Address: At. Dharmapuri, Taluka-Parli, Di-Beed
- Date of birth: 12/12/1994
- Gender: Male
- Marital Status: Married
- Languages known: English, Marathi, Hindi
- Category: OBC

References

<i>Name</i>	<i>Designation</i>	<i>Address</i>
Dr. Prakash G. Jadhav	Associate Professor & Head	Department of Chemical Engineering, (SGGSIE&T), Nanded: 431606 Email: pgjadhav@sggs.ac.in Mob No: 9421868758
Dr. S.B. Mundhe	Assistant Professor	Department of Chemical Engineering, (SGGSIE&T), Nanded: 431606 Email: sbmundhe@sggs.ac.in Mob No:9823208720

Dr. Arijit Das	Assistant Professor	Department of Chemical Engineering, VNIT, Nagpur: 440 010 Email: arijitdas@che.vnit.ac.in Mob No: 8894088982
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Declaration

I hereby declare that all the information provided in this curriculum vitae is true, complete, and accurate to the best of my knowledge and belief

Date:

Place:

Dipak U. Giram