Curriculum vitae

Dr. Dipak Uddhav Giram

Assistant Professor (Chemical Engineering)
SGGSIE&T, Nanded
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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.
  Year of passing - 2025
  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- June 2025)

Teaching Assistant

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

Courses Taught

- Chemical Process Calculations
- Process Equipment Design & Drawing-I
- Process Equipment Design & Drawing-II
- Aadvanced Separation Techniques
- Air Pollution and Control
- Sustainable Chemical Technology

Publications

Research Paper

- Giram D, Das A & Bhanvase B, Comparative study of ZnO-TiO_2 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 TiO_2 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. A review on Fe doped ZnO photocatalyst for dye degradation, Pollution Journal **(Under review)**
- Giram D. & Das A. Sono-assisted synthesis of Ce doped ZnO nanocatalyst for enhanced photocatalytic dye (rhodamine b) degradation, Journal of Materials Science: Materials in Electronics **(Submitted)**

Book Chapter

- Giram D. & Das A. Fe doped ZnO nanoparticles: Synthesis, characterization and its application for the photocatalytic degradation of Ciprofloxacin, Sustainable Environment: Proceedings of Environment 2024 **(Revision Completed)**

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 SGGSIE&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 Vaijnath, District-Beed
- Date of Birth: 12/12/1994
- Gender: Male
- Marital Status: Married
- Languages Known: English, Marathi, Hindi
- Category: OBC

References

Name	*Designation*	*Address*
Dr. Prakash G. Jadhav	Associate Professor & Head	Department of Chemical Engineering, (SGGSIE&T), Nanded: 431606 Email: pgjadhav@sggs.ac.in Mob No: 9421868758
Dr. Sandeep.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

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**