

Dr. Suhas D. Doke

Assistant Professor, Department of Chemical Engineering

Gharda Institute Of Technology, Lavel., Tal-Khed, Dist. Ratnagiri.



Education & Academic Roles

- **PhD in Chemical Engineering**, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat—specialized in synthesizing silica nanoparticles, aerogels, and hydrogels
- Served as **Assistant Professor** at Aditya Silver Oak Institute of Technology, Ahmedabad (2022–Sep 2023), and at Sinhgad College, Pune Sept 2023–July 2025.

Prior Research & Industry Experience

- **Junior Research Fellow & Project Assistant-II**, CSIR-NEERI, Nagpur (2014–2017): Led thermal treatment projects (pyrolysis/gasification) on solid and hazardous waste, focusing on clean fuel generation and CO₂ capture/modeling.

Research Expertise & Innovations

- **Nanoparticle Synthesis**: PhD work in silica nanoparticles, aerogels, hydrogels.
- **Process Optimization**: Research in pyrolysis, gasification, combustion and reforming utilizing pinch analysis and HSC Chemistry
- **Waste Biomass Utilization**: Developed scalable methods to convert biomass into energy products.
- **Patents & Publications**: 2 granted patents, 8 peer-reviewed papers.

Grants & Recognition

- **GUJCOST Award**: Secured funding for National STTP on CO₂ sequestration and utilization
- **Google Scholar Profile**:

Professional Engagement

- Guest lectures, webinars, and guided student research across institutes.
- Mentored undergraduate and graduate students; praised for deep technical insights and project guidance

Contact Information

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