



Dr. Purnima Talele

Assistant Professor

Department of Basic Sciences, Humanities & Management,

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Education:

Ph.D. (Biophysical Chemistry)	Indian Institute of Technology Bombay	2011-2016
M.Sc. (Physical Chemistry) First Rank in University	North Maharashtra University	2008-2010
B.Sc. (Chemistry) First Rank in University	North Maharashtra University	2005-2008
Gold Medalist		

Professional Experience:

- **Assistant Professor**
- S.G.G.S. Institute of Engineering and Technology (SGGSIE&T), Nanded, Present
- **Dr. D. S. Kothari Postdoctoral Fellow**
- Department of Chemistry, University of Mumbai, 2021-2023
- **National Postdoctoral Fellow (SERB)**
- Department of Chemistry, Indian Institute of Technology Madras, 2017- 2019
- **Assistant Professor**
- School of Engineering, MIT-ADT University, Pune, 2017
- **Post-doctoral Researcher**
- Department of Chemistry, Indian Institute of Technology Madras, 2017
- **Research Associate,**
- Department of Chemistry, Indian Institute of Technology Bombay, 2016
- **DST INSPIRE Fellow**
- Department of Chemistry, Indian Institute of Technology Bombay, 2013-2016
- **Teaching Assistant,**
- Department of Chemistry, Indian Institute of Technology Bombay, 2011-2012
- **Lecturer**
- University Department of Chemical Technology, NMU Jalgaon, 2010-2011

Awards / Fellowships:

- Dr. D. S. Kothari Postdoctoral fellowship Award 2021 from University Grants Commission (UGC), Government of India.
- National Postdoctoral Fellowship Award 2017 from Science and Engineering Research Board (SERB), Government of India.
- Travel Award from The Protein Society for attending and presenting research work in 29th Annual Symposium of The Protein Society, Barcelona, Spain, July 2015
- Senior Research Fellowship from Department of Science and Technology (DST), Government of India in 2013 based on the work done as Junior Research fellow (DST INSPIRE Fellow).
- Junior Research Fellowship from DST in 2012 based on First Rank in university examination (DST INSPIRE Fellow).
- Teaching Assistantship from IIT Bombay based on GATE Exam 2011
- Qualified a highly competitive national level exam, Graduate Aptitude Test in Engineering (GATE 2011, GATE 2012).
- First Rank in University in M.Sc. (Physical Chemistry) examination (2010), North Maharashtra University.
- First Rank in University in B.Sc. (Chemistry) examination (2008), North Maharashtra University.
- First position in Chemistry Talent Search Examination in 2005.

Research Interests:

- Lipid nanoparticles/ protein nanoparticles, development of drug delivery systems
- Protein folding, misfolding, aggregation and related diseases
- Structural and Kinetic studies of amyloid systems
- Protein-ligand, protein-drug, protein-protein and protein-lipid interactions

Publications:

International Journals =10

Google Scholar Profile:

<https://scholar.google.co.in/citations?user=yfWRI8cAAAAJ&hl=en>