


Faculty Profile

Name of Faculty: <i>Dr. Harish Manohar Shinde</i>		
Designation: <i>Assistant Professor</i>		
Qualification: <i>M.Sc., B.Ed., Ph.D.</i>		
Specialization : <i>Inorganic Chemistry</i>		
Official Email ID: harishshinde.dypcet@dypgroup.edu.in shindeharish87@gmail.com		
Memberships	<i>Life and professional member of InSc International publisher registered under ministry of MSME and corporate affairs, Govt. of India.</i>	
Courses Taught	<ul style="list-style-type: none"> • <i>Applied Chemistry</i> • <i>Engineering Chemistry</i> • <i>Industrial Chemistry</i> • <i>Inorganic Chemistry</i> • <i>Analytical Chemistry</i> • <i>Organic Chemistry</i> • <i>Physical Chemistry</i> 	
Roles and Responsibilities	<ul style="list-style-type: none"> • <i>Website Co-ordinator (F.Y. B. Tech.)</i> • <i>Class Teacher</i> • <i>Internship Co-ordinator (2 batches)</i> • <i>Capstone project Co-ordinator</i> • <i>CHB In-Charge</i> 	
Research Contribution	<ul style="list-style-type: none"> • <i>Biosynthesis of ZrO₂ nanoparticles from Ficus benghalensis leaf extract for photocatalytic activity H. M. Shinde, T. T. Bhosale, N. L. Gavade, S. B. Babar, R. J. Kamble, B. S. Shirke, K. M. Garadkar, J. Mater. Sci:</i> 	

Mater. Electron. (Springer), 29 (2018) 14055. Impact factor: 2.22

- *Eco-friendly synthesis of Ag-ZrO₂ nanocomposites for degradation of Methylene Blue* **H. M. Shinde**, S. V. Kite, B. S. Shirke and K. M. Garadkar *J. Mater. Sci: Mater. Electron. (Springer)*, <https://doi.org/10.1007/s10854-021-05983-7>. Impact factor: 2.22
- *CuO-Islands on nanostructured ZrO₂ surface Act as the ppm Level Ammonia Gas monitor working at room temperature* B. S. Shirke, **H. M. Shinde**, K. M. Garadkar, D. R. Patil, Weber *Advanced Physics. (Wesley and Eber publishing)*, 1 (2015) 1.
- *Biosynthesis of SnO₂ nanoparticles by aqueous leaf extract of Calotropis gigantea for photocatalytic applications* T. T. Bhosale, **H. M. Shinde**, N. L. Gavade, S. B. Babar, V. V. Gawade, S. R. Sabale, R. J. Kamble, B. S. Shirke, K. M. Garadkar, *J. Mater Sci: Mater Electron. (Springer)*, 29 (2018) 6826. Impact factor: 2.220
- *Green synthesis of ZnO nanoparticles by using Calotropis procera leaves for the photodegradation of methyl orange* V. V. Gawade, N. L. Gavade, **H. M. Shinde**, S. B. Babar, A. N. Kadam, K. M. Garadkar, *J. Mater. Sci: Mater. Electron. (Springer)*, 28 (2017) 14033. Impact factor: 2.220
- *Evolution of waste iron rust into magnetically separable g-C₃N₄-Fe₂O₃ photocatalyst: An efficient and economical waste management approach* Santosh Babar, Nana Gavade, **Harish Shinde**, Prasad Mahajan, Ki Hwan Lee, Narayan Mane, Ashish Deshmukh, Kalyanrao Garadkar, Vijaykumar Bhuse, *ACS Applied Nano Materials. (ACS publication)*, 1 (2018) 4682.
- *An innovative transformation of waste toner powder into magnetic g-C₃N₄- Fe₂O₃ photocatalyst: Sustainable e-waste management* Santosh Babar, Nana Gavade, **Harish Shinde**, Anil Gore, Prasad Mahajan, Ki Hwan Lee, Vijaykumar Bhuse, Kalyanrao Garadkar, *J. Environ. Chem. Eng. (Elsevier)*, 7 (2019) 103041. Impact Factor: 4.300
- *Visible light-driven high photocatalytic activity of Cu-doped TiO₂ nanoparticles synthesized by hydrothermal*

	<p><i>Method Ravi Kamble, Smita Mahajan, Vijaya Puri, Harish Shinde, Kalayanrao Garadkar, Mater. Sci. Res. India., 15 (2018) 197. Impact factor: 0.565</i></p> <ul style="list-style-type: none"> • <i>Structural and Electrical Property of Zirconium Oxide Nanoparticles Prepared by Microwave Assisted Sol-gel Method, National Conference on Drug Designing and Discovery [ISBN978-93-5126-349-4]</i> • <i>Catalytic Deoxygenation over Supported Zirconium Oxide Nanoparticles, Vishwawarana National Research Journal, Vol.1, (2015) 22-25.</i> • <i>Nanocrystalline TiO₂ sensitized with CdS quantum dots for photoelectrochemical study RA Pawar, SB Teli, HM Shinde, VM Bhus Applied Physics A, 2023 (2023)</i>
<p>FDP/Workshop Attended</p>	<ul style="list-style-type: none"> • <i>Presented paper (oral) at National Conference on “Drug Designing & Discovery”, held on 6 th and 7th September 2013, organized by Department of Chemistry, Devchand college, Arjunnagar, Nipani</i> • <i>Presented paper (poster) at National Conference on “Recent Trends in Chemical Sciences”, held on 8 th and 9th September 2014, organized by Department of Chemistry, Devchand college, Arjunnagar, Nipani</i> • <i>Presented paper (poster) at National Conference on, “Current Trends in Chemical and Nano Sciences”, held on 17th and 18th January 2014 organized by Department of Chemistry, Shivaji University, Kolhapur</i> • <i>Presented paper (poster) at National Seminar on “Applications of Chemical and Material Sciences for Sustainable Development” held on 20th February 2016, organized by Department of Chemistry, Shivaji University, Kolhapur.</i> • <i>Presented paper (poster) at National conference on “Innovative Research in Chemical Sciences” held on 1 st and 2nd February 2017 at Department of Chemistry, Shivaji University, Kolhapur</i> • <i>Presented paper (poster) at National conference on “Recent Trends in Nanoscience & Nanotechnology for Clean & Sustainable Development” held on 3 rd February 2018, organized by Department of Chemistry and Physics, Vasant Mahavidyalaya, Kaij, Beed.</i>

- *Presented paper (poster) at National Conference on “Recent advances in Agrochemicals and Integrated Pest Management” held on 6 th March 2018, Organized by Department of Agrochemicals and Pest Management, Shivaji University, Kolhapur*
- *Presented paper (Poster) at International Conference on “Energy, Environment and Ethics in Research” held on 7th February 2019, Organized by Y.C Warana Mahavidyalaya, Warananagar*
- *Presented paper (Poster) at National Conference on “Recent Trends in Chemistry and Materials Science” held on 9 th February 2019, Organized by Department of Chemistry, Shivaji University, Kolhapur.*
- *Presented paper (Poster) at National Conference on “Emerging Trends in Chemical and Material Sciences” held on 6 th and 7th March 2019, Organized by Department of Chemistry, Shivaji University, Kolhapur.*
- *Attended State level seminar on “Solution from Synthesis to Characterization” held on 26th to 27th March 2018, organized by, Shivaji University, Kolhapur.*
- *Attended Workshop on “Scientific Writing” held on 31st January 2018, organized by Research Colloquium of Shivaji University Kolhapur.*
- *Attended Workshop on “Intellectual Property Rights” held on 10th March 2018, organized by Intellectual Property Rights Cell of Shivaji University Kolhapur.*
- *Attended International e-Conference on "Emerging Trends and Challenges in Chemical Sciences" held on 10th March 2021, organized by Department of Chemistry, Vasant Mahavidyalaya, Kaij, Beed*
- *Presented paper (Poster) at National Conference on “Emerging Trends in Chemical and Material Sciences” held on 6th and 7th March 2019, Organized by Department of Chemistry, Shivaji University, Kolhapur.*
- *Attended workshop on Peer review excellence: IOP training and certification (IOP publishing)*
- *One-week Faculty Development Program on Innovative Practices in Teaching Learning Process (19th to 23rd dec. 2023)*

	<ul style="list-style-type: none"> Presented paper (Poster) at National Seminar on “Recent scenario in Chemical Sciences and material Sciences” held on 3rd and 7th March 2023, Organized by Department of Chemistry, Shri VY College peth Vadgaon.
Awards	<ul style="list-style-type: none"> International Year of Chemistry-2011 Science Exhibition (Model Presentation) Secured First Prize organised by Department of Chemistry, Shivaji University Kolhapur Golden Jublie Research Fellow of Shivaji University, Kolhapur, Year: 2018-2020 Awarded with Young Researcher Award 2023 by, InSc International publisher registered under ministry of MSME and corporate affairs, Govt. of India for the year 2023-24.