

BIO-DATA



Recent Photograph

1.	Name	Dr. Snehal Kargirwar			
2.	Designation	Assistant Professor			
3.	Residential Address				
4.	Date of birth				
5.	Total Experience	13 years			
i.	Teaching	13 Years			
ii.	Industrial	01 Year ABN Metals, Nagpur			
6.	Qualifications				
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
	PhD	2012	RTM Nagpur University	Polymer Chemistry	
Additional Qualification:					
7.	Employment Record				
	Institution	Year (From To)	Designation		
	FCRIT	Sep 2020 till date	Assistant Professor		
	SIES Graduate School of Technology, Navi Mumbai	August 2015 to August 2019	Assistant Professor		
	Priyadarshini Institute of Engineering and Technology, Nagpur	2012-2013	Assistant Professor		
	Smt. Rajshree Mulak College of Engineering, Nagpur	2009-2012	Assistant Professor		
	Shri. Shivaji Science College, Nagpur	2007-2009	Assistant Professor		
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught				
	Subjects Taught at UG level				
	Sr.No.	Name of Subject	Semester		
	1	Engineering Chemistry I	I		
	2	Engineering Chemistry II	II		
9.	Research Experience				
10.	Professional Societies Fellowship / Membership life member : Life member of Indian Women Scientist Association (IWSA)				
11.	Short Term Training Programmes attended -04				
12.	Research Projects : Completed Minor Research Project received from Mumbai University of amount 40,000/- (Ref: APD/ICD/2018-19/593, 16th March, 2019 , Research Project No: 456)				

Ongoing Research Project: Institute level Research Funding (ILRF) received of amount 1,75,000 in academic year 2023-24.

List of Journal Papers Published -

1. "Synthesis of Nanostructured Conducting Polymers for Gas Sensing Applications" Snehal Kargirwar, *International Journal of Chemical Sciences*, Vol 20 Iss 03, 430, 2022.
2. Published 11th chapter "Silver Nanoparticles and Its Polymer Nanocomposites— Synthesis, Optimization, Biomedical Usage, and Its Various Applications" in Polymer Nanocomposites in Biomedical Engineering" book (**Springer Publications**) ISBN 978-3-030-04740-5 page 331-373, April 2019.
3. "Polyaniline/ZnO nanocomposites for the removal of methyl orange dye from waste water" Neha V. Nerkar, Subhash B. Kondawar, **Snehal Kargirwar Brahme**, Yun Hae Kim, *International Journal of Modern Physics B* Vol. 32, No. 19 (2018) 1840085.
4. "Ultrasonicated Organic Acid Doped Polyaniline Nanotubes for Anionic Dyes Detection in Waste Water" Neha V. Nerkar, **Snehal R. Kargirwar**, S. B. Kondawar, D. V. Burghate, P. D. Burghate, *International Journal of Science and Research (IJSR)*, 195-198, 2015.
5. "Fluorescence Study of Polyaniline Doped with Organic Acids" **Snehal R. Kargirwar**, S.B. Kondawar, *Asian J. Research Chem.* 8(1): 36-38, Jan 2015.
6. "Morphology and electrical conductivity of self-doping polyanilines synthesized via self-assembly process" **S.R. Kargirwar**, S.R. Thakare, M.D. Choudhary, S.B. Kondawar, S. R. Dhakate *Adv. Mat. Lett.* 2011, 2(6), 397-401, 2011.
7. "Dielectric studies of Phenylenediamine doped with organic acids" **Snehal R. Kargirwar**, Sanjay R. Thakare, M. D. Choudhary *Der Chemica Sinica*, 2012, 3(1): 204-209.
8. "Effect of dopant on the nanostructured morphology of phenylenediamine synthesized by template free method" **S. R. Kargirwar**, S. R. Thakare, M. D. Choudhary, D. K. Burghate *Int.J.Nano Dim.* 2(4): 223-226, Spring 2012.
9. "Thermal Stability Study Of Conducting Polyaniline Doped With Picric Acid" **Snehal R. Kargirwar**, Sanjay R. Thakare, M.D.Choudhari *Materials Science – An Indian Journal* Vol. 7, Issue 5, 2011.
10. "Preparation and Characterizations of Phenylenediamine Nanofibers" **Snehal R. Kargirwar**, Sanjay R. Thakare, M. D. Choudhary and S. B. Kondawar *International Journal of Pure & Applied Chemistry* Vol. 6(3), 2011, 269-271.
11. "Synthesis and characterization of nanostructure ZnS/CdS reinforced conducting polyaniline nanocomposites", S. B. Kondawar, S.D.Bompilwar, S.R.Kargirwar and V.A.Tabhane; *Macmillan Advanced Research Series (2010)* Vol.3, 293-298, ISBN 10:0230-33193-9.

13. List of National and International Conferences -

1. International Conference on Nano Material and Green Technology for Sustainability (ICNMGT-2024)
October 25th – 26th, 2024.

Synthesis of Eco Friendly Polymer Membrane using Zinc Oxide (ZnO) as a Nanoparticle for the Removal of Organic Pollutants

2. The 2nd International Conference on Nanomaterials and Advanced Composites (NAC 2019) organized by National Taiwan University of Science and Technology, Taipei, Taiwan Aug 8th-14th, 2019

"Electrospun Polyaniline/Polyacrylonitrile(PANI/PAN) Composite Nanofibers for Detection of Volatile Organic Gases."

3. 8th International Conference on Advanced Materials and performances, Pune

	<p>July 11th -15th, 2017 “Synthesis of Polyaniline nanotubes by self assembly process”.</p> <p>4 <u>International conference on new horizons in synthetic and material chemistry , Mumbai</u> 26-28 Nov, 2015 "Removal of sulfonated dyes from waste water by adsorption method using conducting polyaniline nanotubes".</p> <p>5.<u>International Conference of Materials and Advanced Technology, Singapore</u> Jun 30 – Jul 5, 2013. “Adsorption of Sulfonated Dyes Using Self-doping Polyanilines Synthesized by Self-assembly Process”.</p> <p>6. <u>National Conference on Advance Material and Technology, Nagpur</u> Dec 29 – 30, 2009 Department of Chemistry, Shri. Shivaji Science College “Self doping effects on the morphology, electrochemical and conductivity properties of self-assembled polyaniline of polyaniline doped with organic acids”.</p> <p>7. <u>International conference on Nanomaterials and Applications, Kolhapur</u> Dec 9 – 11, 2008 Department of Chemistry, Shivaji University “Synthesis of Polyaniline Nanotubes”.</p>
13.	<p><u>Achievements</u></p> <ol style="list-style-type: none"> 1. Selected and participated in Taiwan-India Exchange Project at National Taiwan University of Science & Technology, Taipei, Taiwan on Aug 08-14, 2019. 2. Received second prize in Intercollegiate Science exhibition under Yuva Mahotsava-2009 at Shivaji Science College, Nagpur
14	<p>Invited Lectures in FDP/ STTP – Nil</p>