

Dr. Gauri Manas Lohar (M. Phil., Ph.D.)

Present position

- **Assistant Professor**

Contact Details



+91 9823433857



gauri.lohar@fergusson.edu, gauri.lohar@despune.org



<https://www.linkedin.com/in/dr-gauri-lohar-b2898425>

Work Experience

- **Teaching:** 13 years
- **Research/Industrial:** 8 years

Personal Profile

An ambitious and talented professional with a proven 13+ years academic background in science and valuable experience in teaching and researching. Have acquired diverse professional skills through studying, researching and working in an academic and professional environment.

Course(s) Taught (Only Titles)

1. Fundamentals of Physical Chemistry
2. Advanced Physical Chemistry
3. Electroanalytical and thermal methods of analysis
4. Pharmaceutical chemistry
5. Analytical Spectroscopy
6. Physical Chemistry Practicals
7. Analytical Chemistry Practicals

Field of Specialization/Areas of Interests

- **Specialization:** Physical Chemistry
- **Area of Interest:** Polymers, environmental remediation, drug delivery and nanomaterials.

Education

- **Ph.D. - (Chemistry):** from 2016 to 2020
Title of the Thesis: Radiation induced synthesis of graft copolymers for environmental remediation
Name of University: Department of Chemistry, Savitribai Phule Pune University
Year of Award- July 2020
- **M. Phil. - (Chemistry):** from 2011 to 2014
Title of the Thesis: Gamma radiolytic synthesis and sorption studies on graft copolymer of starch with acrylonitrile
Name of University: Department of Chemistry, Savitribai Phule Pune University

Year of Award- December 2014

- **Master of Science- (Physical Chemistry):** 2009
University: Department of Chemistry, University of Pune
- **Bachelor of Science- (Chemistry):** 2007
Fergusson College College, Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. First prize in Best oral paper presentation, A. Bhandarkar, A. Joshi, G. Lohar, International Conference on Recent Trends in Science and Technology, Willingdon College, Sangli-MH, India, 29th June 2022.
2. Second prize in poster paper presentation, P. Shirsat, A. Varma, G. Lohar, Dr. T.R. Ingle Memorial National Symposium (TRI-2020) at Sir Parshurambhau College Pune, India, 14th and 15th February , 2020

Member of College Committees/ Professional Bodies and Others

College Level: Member of Board of Studies

Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
Synthesis of nano-embedded graft copolymer for drug delivery system	SEED money	30,000/-	2022-23	Short Term research project	ongoing
Synthesis of polysaccharide grafted copolymer for environmental remediation.	STAR PROGRAM ME (CE)	25,000/-	2019-2020	Short Term research project	Completed
Synthesis characterization of gum ghatti grafted copolymer with acrylic acid/acrylamide.	LIFE PROGRAM ME "COLLEGE OF EXCELLENCE" (CE)	10,000/-	2018-2019	Short Term research project	Completed
Synthesis and characterization of Gel - NIPAM copolymer by γ - irradiation method	STAR PROGRAM ME (CE)	25,000/-	2017-2018	Short Term research project	Completed
Synthesis of starch-g-acrylamide hydrogels and its possible applications	STAR PROGRAM ME (CPE)	10,000/-	2016-2017	Short Term research project	Completed
Synthesis of graft copolymer of sawdust with	STAR PROGRAMM	10,000/-	2014-2015	Short Term research project	Completed

polyaniline for removal of direct blue dye	E (CPE)				
--	---------	--	--	--	--

Research Publications in National and International Journals

1. **Lohar G.**, Joshi S., Amidoximated functionalized sodium alginate graft copolymer: An effective adsorbent for rapid removal of cationic dyes. Materials Today: Proceedings - 2019. DOI: [10.1016/J.MATPR.2019.10.130](https://doi.org/10.1016/J.MATPR.2019.10.130)
2. **Lohar G.**, Joshi S., Comparative study of uranium and thorium metal ion adsorption by gum ghatti grafted poly(acrylamide) copolymer composites. RSC Advances- 2019. DOI: [10.1039/C9RA08212C](https://doi.org/10.1039/C9RA08212C)
3. **Lohar G.**, Joshi S., Synthesis and characterization of gum ghatti grafted chelating copolymers for an effective removal of uranyl ions. Journal of Polymer Research - 2019. DOI: [10.1007/S10965-019-1781-X](https://doi.org/10.1007/S10965-019-1781-X).
4. Gonte R., **Shelar G.**, Balasubramanian K., Polymer–agro-waste composites for removal of Congo red dye from wastewater: adsorption isotherms and kinetics; Desalination and Water Treatment – 2014. DOI: [10.1080/19443994.2013.833876](https://doi.org/10.1080/19443994.2013.833876)

Participation in Conferences/Seminars/Symposia/Workshop:

Participation in Conferences

1. A. Bhandarkar, A. Joshi, G. Lohar, International Conference on Recent Trends in Science and Technology, Willingdon College, Sangli-MH, India, 29th June 2022.
2. A. Bhandarkar, A. Joshi, G. Lohar, National Conference on Chemistry for Sustainable Development- Academia & Industry Perspective, Department of Chemistry, K J Somaiya College of Science and Commerce, Mumbai- India, 22th & 23th April 2022.
3. P. Shirsat, A. Varma, G. Lohar, Dr. T.R. Ingle Memorial National Symposium (TRI-2020) at Sir Parshurambhau College Pune, India, 14th and 15th February, 2020
4. G. Lohar S. Joshi, International Conference on Functional Materials and Simulation Techniques 2019, (ICFMST-2019), Department of Chemistry, Chandigarh, University, Punjab- India 7th and 8th June 2019.
5. S. Chaouduri, G. Lohar S. Joshi, “International conference on Emerging trends in chemical and environmental science”, (ETCES-2019), Department of Chemistry, S. N. Arts, D. J. Malpani Commerce & B. N. Sarda Science College, Sangamner, MH, India, 3rd and 4th January 2019.
6. G. Lohar S. Joshi, International conference SPSI, MACRO 2018, Indian Institute of Scientific Education and Research (IISER) Pune, MH, India, 19th to 22th December 2018.
7. R. Dholakia, S Vishwakarma, G. Lohar S. Joshi, National conference on Recent Developments in Chemical Sciences (RDCS 2018), Department of Chemistry University of Mumbai, Mumbai, MH, India, March 8th and 9th, 2018.
8. G. Lohar S. Joshi, Department of Chemistry, Savitribai Phule Pune University, Pune MH, India, 18th and 19th January 2016
9. S. Nikam, G. Shelar, S. Joshi, Innovation 2015, Fergusson college Pune, Maharashtra, India, 17th June 2015.
10. J. Rathod, S. Nikam, G. Shelar, S. Joshi, National Conference on Advances in chemical sciences with special reference to molecular spectroscopy, material science and organic electronics.(NCACS-2014), Department of Chemistry, Fergusson College, Pune, MH, India, 19th and 20th December 2014.
11. G. Shelar, S. Joshi, “National conference on Frontiers in Physical, Chemical and biological sciences (FPCBS-2013)” Department of Chemistry, University of Pune, Pune MH, India, 4th to 6th October 2013

12. Participation in “30th Annual conference Indian Council of Chemistry " ICC- Department of Chemistry, Osmania University, Hyderabad, India 28th to 30th December 2011

Workshops Attended:

1. One day workshop on Literature Review, organized by Center for Publication Ethics, Savitribai Phule Pune University, Pune, Maharashtra, India, 22th October 2021.
2. One day workshop on Research Metrics, organized by Center for Publication Ethics, Savitribai Phule Pune University, Pune, Maharashtra, India, 4th May 2021
3. One day workshop on Scholarly journals: the basics organized by Center for Publication Ethics, Savitribai Phule Pune University, Pune, Maharashtra, India, 7th April 2021
4. Workshop on “Experimental Methods In Analytical Electrochemistry And Advanced Chemical Engineering” organized by Ujjain Engineering College, Ujjain-456010, MP, India, 23th November 2020
5. One day Workshop on Radiation and Photochemistry” Department of Chemistry, University of Pune, ISRAPs and RPCD Division BARC, Pune, MH, India, 1st and 2nd February 2012.

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/University	Nature of contribution	Dates
1	National conference on Advances in Chemical Sciences with reference to Molecular Spectroscopy, Material Sciences and Organic Electronics	Fergusson College, Pune.	Member of organizing committee	2014

Additional skills/Activities

- Evaluated and guided the innovative ideas at KPIT SPARKLE 2022, Pre-Finale event.
- Teacher coordinator SOEC 2021.