



Faculty Profile on University Website

www.mjpru.ac.in

Title	Prof./Dr./Mr./ Ms. Dr.	First Name	Sushm ita	Last Name	Gupta	Photograph
Designation		Assistant Professor				
Department		Applied Chemistry				
Address	Campus	-				
	Residence	House no. 420, Sadar, Cantt. , Bareilly. 243001.				
Mobile No.		9412328099				
Email ID		Personal	drsushmitagupta12@gmail.com			
		University Domain	drsushmitagupta12@gmail.com			
Professional Networking ID, i.e. Linkedin, Twitter etc.		Zoom	drsushmitagupta12@gmail.com			
		Facebook				
Educational Qualifications (Graduation Onwards)						
Course/Degree		Institution		Year	Details/Thesis Topic/Subjects	
B.Sc. (Hons.)		B.H.U., Varanasi		1993	Botany, Zoology, Chemistry	
M.Sc.		B.H.U., Varanasi		1995	Organic Chemistry	
Ph.D.		B.H.U., Varanasi		1999	Preparation, Characterization and Electrical Conductivity of Monometallic and Bimetallic Complexes of Nitrogen and Sulphur Ligands. Life Sciences	
GATE		MHRD, Govt. of India.		1996		
Career Profile						
Organization / Institution			Designation	Duration	Nature of Duties	

M.J.P.R. University, Bareilly	Assistant professor	From 11-07-2007 to till date	Teaching , research and other academic & administrative activities		
Research Interests / Specialization					
Co-ordination complexes and their electronic applications.					
Research Experience in Years 11 years except Ph.D.					
No of Research Scholars Successfully Guided 03 (Working since 2014) thesis has not yet completed. Most probably will be submitted this year.					
Name of Programme		Awarded		Under Supervision	
Ph.D.		NA			
M.Phil.		NA			
Dissertation (M.Ed./M.A.)		NA			
Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
		https://orcid.org/0000-0002-2321-9043			
Teaching Experience (Subjects/Courses Taught)					
B.Tech. : Engineering Chemistry, Applied Organic Chemistry & Environmental Studies- 13 years M.Sc. : Applied Organic Chemistry, Physical Chemistry I ,Analytical Chemistry and Bio-inorganic Chemistry- 13 years Ph. D. Course work ; Analytical Chemistry and Bio-inorganic Chemistry					
Honours/ Awards & Fellowship FOR OUTSTANDING WORK NA					
Name of Award/ Fellowship		Awarded By			
		Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body	

Enrolment in : Foreign Assignment Panel		Govt. of India							
Banaras Hindu University Research Scholarship		Banaras Hindu University		Department of Chemistry					
Junior Research Fellowship		Institute of Vegetable Research, Varanasi.		ICAR					
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)		Research Papers Published in International Journals	3	Papers Presented in Seminars/ Conferences	5	Seminars/ Conferences Organized		Research Projects (Completed)	
Books (Co- authored)		Research Papers Published in Other Journals	1	Seminar/ Conferences Attended	17	Workshops Organized	1	Research Projects (Ongoing)	1
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	1	Sessions Chaired in Seminars/ Conferences		Membersh ip of Academic/ Profession al Bodies		Foreign Countries Visited for Academic Assignmen ts	
Chapters in Edited Books	1			Resource Lectures Delivered					

Details of Publications /Academic Activities (2010 Onwards)															
(a) Authored Books/ Monographs															
Name of Book		Year of Publication		Publisher		ISBN No									
(b) Edited Books															
Year of Publication		Title		Publisher		ISBN		DOI No.		Citations					
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals															
Year of Publication			Title			Name of Journal			ISSN No		Citations		Impact Factor		
(d) Chapter/Paper Published in Edited Books															
Publication		Title of the Book		Title of the Chapter		Name & Address of Publisher		Year		ISB N		DOI		Citation Google/web of science	
National	International														
<u>InSc publishing house</u>		<u>COVI D -19 A Drill Down Analysis</u>		<u>Symptoms and Pathogenesis of COVID - 19</u>		<u>Dr. Amit Verma, Hema Verma ,Anurag Verma ,Mohd Asif Khan</u>		<u>2020</u>		<u>9788 1946 3702 8</u>					
(e) Invited as Resource Lectures Person/Examiner/Expert															
Resource person		Detail of Event		Title of Lecture		Date		Institution							
(f) Seminars/Conferences/Workshops Organized															
<u>National workshop on 'Innovative Research on Materials in Science and Engineering' Joint Secretary, at F.E.T., M. J. P.R. U., Bareilly. From 17-22 April ,2016.</u>															
(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)															
Year		Name of Project		Funding Agency		Amount		Duration							
								From		Till					
2019		Synthesis, Characterization and Study of Complex Polymeric		TEQIP -III		2 Lakh		September 2019		September 2021					

	advanced materials for semiconductor or applications.				
(h) Administrative Positions/Assignments Held					
Post	Organization	Duration			
		From	To		
(i) Seminar/Conference Presentations 3 Details enclosed on separate sheet					
(j) Memberships of Academic/Professional Bodies					
(k) Participation in Community Service / Exchange Programme / Consulting Activity					
(l) International Academic Exposure					
(m) Any Other Details					

Slyupta

Signature of Faculty Member

RESEARCH WORK

Title of the project: "Synthesis, Characterization and study of complex polymetallic advanced materials for semiconductor applications:

Funding agency : TEQIP III
Duration : 2years (Started from 2019)

Ph.D. Students working under my supervision.

1. Vikky Singh: 'Preparation and characterization as well as electrical behaviour of heterobimetallic complexes of dithio ligands.'
2. Deepshikha: 'Synthesis and characterization of Chromophoric materials and their applications in photo optical fields.'
3. Samarveer Singh: 'Preparation, characterization and photovoltaic applications of some organic and metal based compounds.'

Published Papers

1. 'Electrical conductivity and molecular properties of organo dithio heterobimetallics [PhHg]₂[M(dithio)₂]{M=Ni,Cu or Zn; dithio=isomaleonitrile dithiolate (i-MNT²⁻), 1,1-dicarbo ethoxy-2, 2-ethylenedithiolate(DED)²⁻ or tri thiocarbonate(CS₃²⁻)}', Sushmita Gupta and Nanhai Singh, Synthetic Metals, **110**(2000) 207-212.
2. 'Solid state and electrical conductance properties of some new bimetallic salts and heterobimetallic coordination polymers derived from bis (1-ethoxycarbonyl-1-cyanoethylene-2, 2-dithiolato) cuprate(II)ion', Sushmita Gupta and Nanhai Singh, Synthetic Metals, **107** (1999) 167-174.
3. 'Preparation, Spectroscopic investigation and antibacterial activity of some organomercury (II) and organotin (IV) dithio complexes', Sushmita Gupta , Nanhai Singh and Gopal Nath App Organometal. Chem. **14**, (2000)484-492.
4. 'Mixed ligand complexes of cobalt (II) and Nickel(II) with 2-Sulphonylbenzothiazolate and (N,N) chelating ligands'. Sushmita Gupta and Nanhai Singh, Indian Journal of Chemistry, Vol **41A**, April(2002) p. 771-773.
5. 'Boond boond jahareela dansh' Nanhai Singh and Sushmita Gupta, Danik Jagran (Hindi News Paper), May 13 (1998).

Book Chapter in editor edited book:

1. 'Symptoms, Transmission and Pathogenesis of COVID-19,; Sushmita Gupta, Anjali Sharma and Vikky Singh, COVID-19. A drill Down Analysis ISBN:9788194637028(2020) Publisher: InSc publishing House.

Poster or Paper presentation

1. 'Semi conducting behaviou rof inorganic complex best materials': Nanhai Singh and Sushmita Gupta, presented in National Seminar on "Ceramic Engg. Challenges of 21st Century", Feb 18 -19, 1998 at Department of Ceramic Engg. Institute of Technology, Banaras Hindu University, Varanasi.
2. "Basic criteria for the synthesis of chromophore for dye sensitization solar cells", Sushmita Gupta and Ritu Rani Chaudhary, poster presentation in International seminar on: New Frontiers of Challenges in Materials Science, held by Department of Physics, F.E.T., M.J.P.R.U. Bareilly(2013).
3. "Dye sensitized solar cells as new generation energy resources": Sushmita Gupta paper presented in the National Conference on: Impact of Rapid Advancement in Management, Science and Technology, held by Rajshree institute of Management &Technology.Bareilly (2015).
4. Synthesis, characterization study of semi conductivity behaviour of the some chalcone based mono and bimetallic derivatives, Sushmita Gupta, paper presented in the International Conference, "New scintillation on materials horizon", held by Department of Physics, F.E.T., M.J.P.R.U. Bareilly. (2016)
5. Effect of global warming on climate change, Sushmita Gupta and Pratiksha, presented in National Seminar on, "Climate change, environment and economic development", held by Department of Humanities, F.E.T., M.J.P.R.U. Bareilly. (2014)

ORGANISATION OF WORKSHOP:

1. Organization of one week National workshop under faculty Development Programme(FDP) on "Innovative Research on Materials in Science and Engineering from 17-22 April' 2016 as Joint Secretary, at F.E.T., M.J.P.R.U. Bareilly.
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Participation in training or workshop:

1. Short Term Training Programme on "Designing and Synthesis of Peptide Antigens for Diagnosis" organized by Peptide Synthesis Laboratory, CIF Bioengineer, Division of Animal Biotechnology, Indian Veterinary Research Institute, Izatnagar, under the ICAR-Niche Area of Excellence programme .(10 to 17 Feb.'2010)
2. One month (01 to 29 June' 2012) Orientation programme conducted by University Grant Commission Academic Staff College, University of Lucknow.
3. National Workshop on "Communication for Change Management in Classroom" Organized by Deptt. Of Humanities, M. J. P.R. U. Bareilly.(09 to 13 Dec.' 2013)
4. National workshop under faculty Development Programme "Recent Advances on organic & Polymer Chemistry (RAOPC-14)" FROM 17 TO 22 Feb.' 2014, at Deptt. of Applied Chemistry, F.E.T., M.J.P.R.U. Bareilly.
5. Faculty Development Programme on "MATLAB and SIMULINK PROGRAMMING" organized by department of CS & IT, M.J.P.R.U. Bareilly in collaboration with National Institute of Electronics and Information Technology, Gorakhpur(Ministry of Communication and I.T., Government of India, New Delhi) under TEQIP-II Scheme of one week duration from 04.02.2014 to 08.02.2014.
6. International workshop on Futuristic Materials: Characterization, Properties & applications in Technology, July17-22, 2014, Organized by Department of Physics, F.E.T., M.J.P.R.U. Bareilly, under Faculty development Programme.
7. Workshop on "Innovative Research on Materials in Science and Engineering" at F.E.T., M.J.P.R.U. Bareilly from 17-22 April' 2016, , under Faculty development Programme.
8. Workshop on "Water Quality Monitoring, Network Design, Sampling, Analysis and Quality Assurance, at Department of Chemical Engineering, F.E.T., M.J.P.R.U. Bareilly 27-31 March' 2017, , under Faculty development Programme.
9. Faculty Development Programme on Entrepreneurship at Deptt. Of Business Administration, sponsored by NSTEDs Department of Science & Technology, Government of India, Organized by ABESEC startups (ASL/ABES Engineering College, Gaziabad in association with Dept. of Business Administration M.J.P.R.U. Bareilly.(2-8 Jan.' 2018)
10. International Symposium on "Trends in Durg, Discovery and Development" organized by Department of Chemistry, University of Delhi on 5-8 Jan.' 2018.