




Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Mrinal	Last Name	Jauhari	Photograph 
Designation	Guest Faculty					
Department	Physics					
Address	(Campus)	Department of Physics				
	(Residence)	186-D Kanoon Goyan, Bareilly-243001 UP				
Mobile	9457990707					
Email	Personal	Jauharimrinal@gmail.com				
	University Domain					
Professional Networking ID, ie. LinkedIn, Twitter etc.	https://scholar.google.com/citations?user=DPqI4FcAAAAJ&hl=hi					

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B.Sc.	Bareilly College Bareilly	2011	Physics, Mathematics, Chemistry
M.Sc.	M.J.P.R.U Campus, Bareilly	2013	Physics
Ph.D.	BARC, Mumbai (India)	2020	Physics

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
M.J.P. Rohilkhand University, Bareilly	Guest Faculty	January 2021 onwards	Teaching

Research Interests / Specialization- Structural Phase Transitions and Vibrational Spectroscopy of Solids

Research Experience in Years- 5 Year

No of Research Scholars Successfully Guided-

Name of Programme	Awarded	Under Supervision			
Ph.D	----	----			
M.Phil.	----	----			
Dissertation (M.Ed./M.A.)	----				
Researcher/Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
		0000-0002-0020-6696			https://scholar.google.com/citations?user=DPqI4FcAAAAJ&hl=hi

Teaching Experience (Subjects/Courses Taught)

Classical Mechanics, Nuclear Physics, Statistical Mechanics, Classical Electrodynamics

Honors & Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/Fellowship	Awarded By		
	Name of Governmental Agency	Name of Government Supported Organization/Depa	Name of International Recognized Body

				rtment			
Publications /Academic Activities (Numbers Only)							
Books & Monographs (Single Author)	Research Papers Published in International Journals	4	Papers Presented in Seminars/ Conferences	5	Seminars/ Conferences Organized		Research Projects (Completed)
Books (Co-authored)	Research Papers Published in Other Journals		Seminar/ Conferences Attended	8	Workshops Organized		Research Projects (Ongoing)
Books (Edited)	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences		Membership of Academic/ Professional Bodies	2	Foreign Countries Visited for Academic Assignments
Chapters in Edited Books			Resource Lectures Delivered				
Details of Publications /Academic Activities (2010 Onwards)							
(a) Authored Books / Monographs							
Name of Book	Year of Publication	Publisher	ISBN No				
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(b) Edited Books							
Year of publication	Title	Publisher	ISBN	DOI No.	Citations		
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(c) Papers Published in UGC Care Listed/Indexed/ Peer Reviewed Journals							
Year of Publication	Title	Name of Journal	ISSN No.	Citations	Impact Factor		
2019	Evidence of low temperature phase transition in BaTiO ₃ modified NaNbO ₃ : Raman Spectroscopy Study	Journal of Raman Spectroscopy	1097-4555	0	2.0		
2019	Probing of structural phase transitions in barium titanate modified	Journal of Raman Spectroscopy	1097-4555	1	2.0		

	sodium niobate using Raman scattering				
2018	Evidence for existence of functional monoclinic phase in sodium niobate based solid solution by powder neutron diffraction	Applied Physics Letters	0003-6951	2	3.597
2017	Effect of chemical pressure on competition and cooperation between polar and antiferrodistortive distortions in sodium niobate	Physical Review Materials	2475-9953	3	3.337

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/web of science
National	International							

(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution

(f) Seminars/Conferences/Workshops Organized -

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till

(h) Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To

(i) Seminar/Conference Presentations

- [1] International Workshop on “Futuristic Materials: Characterization, Properties & Applications in Technology” at M. J. P. Rohikhand University, Bareilly, Uttar Pradesh (2014)
- [2] 24th National Laser Symposium at RRCAT, Indore, Madhya Pradesh
Poster title, “Effect of pump and signal beam polarization on efficiency characteristics of aqueous KSR dye laser transversely excited by second harmonic of Nd-YAG laser”, Mrinal Jauhari, P. S. Kamble, S. Kundu and A. K. Ray.(2015)
- [3] ILA Short Course on “Laser spectroscopy”, RRCAT, Indore, Madhya Pradesh 2015
- [4] 16th Asia Oceania Neutron Scattering Association (AONSA) School at BARC, Mumbai, Maharashtra (2016)
- [5] 6th Conference on Neutron Scattering (CNS 2016) at BARC, Mumbai.
Poster title, “High temperature neutron diffraction study of modified KNbO₃”
- [6] DAE Solid State Physics Symposium (SSPS 2016) at Kalinga Institute of Industrial

Technology (KIIT), Bhubaneswar, Odisha.

Poster title, “ Structural and dielectric studies of modified KNbO₃”

[7] DAE Solid State Physics Symposium (**SSPS 2017**) at BARC, Mumbai. Poster title,
“Effect of chemical pressure on phase stability of NaNbO₃”

[8] National Seminar on Crystallography (**NSC 47**) at BARC, Mumbai.

Poster title, “Low Temperature Structural Phase Transitions in Lead-Free Piezo- ceramic
NNBT10” (**2019**)

(j) Memberships of Academic/Professional Bodies

Neutron Scattering Society of India (NSSI), Indian Laser Association (ILA)

(k) Participation in Community Service/Exchange Program/ Consulting Activity