




Faculty Profile on University Website

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महात्मा ज्योतिबा फुले
कृषिविद्यापीठ, बरेली

Title	Dr.	First Name	AMIT	Last Name	KUMAR	Photograph
Designation	Guest Faculty					
Department	Physics					
Address	(Campus)	Department of Physics				
	(Residence)	Anupam Nagar, Budaun Road, Bareilly (U.P.) India				
Mobile	8006476564					
Email	Personal	dwivediamit90@gmail.com				
	University Domain					
Professional Networking ID, ie. LinkedIn, Twitter etc.	linkedin.com/in/ amit-kumar-433017139 https://www.researchgate.net/profile/Amit-Kumar-261 @DrAmitK18646864					
Educational Qualifications (Graduation Onwards)						
Course/ Degree	Institution	Year	Details/Thesis Topic/Subjects			
B.Sc	Bareilly College Bareilly	2008	Physics, Mathematics			
M.Sc	M.J.P.R.U Campus, Bareilly	2010	Physics			
B.Ed	C.C.S. University Meerut	2011	Science			
Ph.D	University of Lucknow, Lucknow	2018	Physics			
Career Profile						
Organization / Institution		Designation	Duration	Nature of Duties		
M.J.P. Rohilkhand University, Bareilly		Guest Faculty	December to June 2011	Teaching and other departmental activities		
M.J.P. Rohilkhand University, Bareilly		Guest Faculty	Jan 2014 to onwards	Teaching and other departmental activities		
Research Interests / Specialization- Vibrational Spectroscopy/Condensed Matter Physics						
Research Experience in Years- 8 Years						
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	Pu blo ns	Vidwa n	Google Scholar	
Teaching Experience (Subjects/Courses Taught)						
8 Years, Solid State Physics, Atomic and Molecular Physics, Engineering Physics and Digital electronics Lab of M.Sc. I and II SEM						
Honors & Awards & Fellowship FOR OUTSTANDING WORK						
Name of Award/Fellowship			Awarded By			

	Name of Governmental Agency	Name of Government Supported Organization/Department	Name of International Recognized Body
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Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)		Research Papers Published in International Journals	08	Papers Presented in Seminars/Conferences	12	Seminars/Conferences Organized	02 (webinar)	Research Projects (Completed)	
Books (Co-authored)		Research Papers Published in Other Journals		Seminar/Conferences Attended	17	Workshops Organized	01 (E-workshop)	Research Projects (Ongoing)	
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/Conferences		Memberships of Academic/Professional Bodies		Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books	01			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/Indexd/ Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No.	Citations	Impact Factor
2014	Experimental and theoretical (FT-IR, FT-Raman, UV-vis, NMR) spectroscopic analysis and first order hyperpolarizability studies of non-linear optical material: (2E)-3-[4-(methylsulfanyl)phenyl]-1-(4-nitrophenyl)prop-2-en-1-one using Density Functional Theory	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>	1386-1425	51	4.831
2014	Molecular structure (monomeric and dimeric) and hydrogen bonds in 5-Benzyl 2-Thiohydantoin studied by FT-IR and FT-Raman spectroscopy and DFT calculations	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>	1386-1425	20	4.831

2017	Molecular Structure, Spectroscopic (FT-IR, FT Raman, UV, NMR and THz) Investigation and Hyperpolarizability Studies of 3-(2-Chloro-6-fluorophenyl)-1-(2-thienyl) prop-2-en-1-one	<i>Journal of Molecular Structure</i>	0022-2860	32	3.841
2017	Conformational stability, spectroscopic signatures and biological interactions of proton pump inhibitor drug lansoprazole based on structural motifs	<i>RSC Advances</i>	2046-2069	8	4.036
2017	Molecular structure, nonlinear optical studies and spectroscopic analysis of chalcone derivative (2E)-3-[4-(methylsulfanyl) phenyl]-1-(3-bromophenyl) prop-2-en-1-one by DFT calculations	<i>Journal of Molecular Structure</i>	0022-2860	27	3.841
2019	Vibrational Spectroscopic Characterization, Electronic Absorption, Optical Nonlinearity Computation and Terahertz Investigation of (2E) 3-(4-ethoxyphenyl)-1-(3-bromophenyl) prop-2-en-1-one for NLO device fabrication	<i>Journal of Molecular Structure</i>	0022-2860	04	3.841
2022	Spectroscopic and quantum chemical study on a non-linear optical material 4-[(1E)-3-(5-chlorothiophen-2-yl)-3-oxoprop-1-en-1-yl] phenyl 4-methylbenzene-1-sulfonate	<i>Journal of Molecular Structure</i>	0022-2860		3.841
2022	Spectroscopic Investigation and Density Functional Theory prediction of First and Second order Hyperpolarizabilities of 1-(4-Bromophenyl)-3-(2,4-dichlorophenyl)-prop-2-en-1-one	<i>Journal of Molecular Structure</i>	0022-2860		3.841

(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							
	International	Proceedings of International	A comparative study of structural and	Prof. Poonam Tandon, Professor, Department of Physics, University	2016	978-93-5267-364-3		

		Confere nce on Perspec tives in Vibrati onal Spectro scopy 2016	nonlinear optical properties of two chalcone derivatives	of Lucknow, India. Dr. Karthick Thangavel, Post- Doctoral Fellow, Department of Physics, University of Lucknow, India.				
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(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution
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(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

(j) Memberships of Academic/Professional Bodies

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