




महात्मा ज्योतिबा फुले
कृषिविद्यालय, बरेली

Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	M. NASEEM	Last Name	SIDDIQUE	Photograph
Designation	GUEST TEACHER					
Department	PHYSICS					
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Web-Page	https://scholar.google.co.in/citations?user=76KUn2AAAAAJ&hl=en					
Educational Qualifications (Graduation Onwards) (Included NET/JRF/GATE or other exams)						
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
Ph.D	Aligarh Muslim University, Aligarh	2021	Applied Physics			
M.Tech	Aligarh Muslim University, Aligarh	2014	Nanotechnology			
M.Sc	Aligarh Muslim University, Aligarh	2011	Physics			
B.Sc	MJPRU, Bareilly	2009	Physics, Math			
CSIR-JRF-NET	CSIR	2015	Physics			
GATE-2015	MHRD	2015	Physics			
CSIR-NET	CSIR	2014	Physics			
GATE-2012	MHRD	2012	Physics			
UP-CET	Dr. Rammanohar Lohia Avadh University, Ayodhya	2013	Physics			
Career Profile						
Organization / Institution	Designation	Duration	Role			
Aligarh Muslim University, Aligarh	Senior Research Fellow	01/01/2018-09/10/2020	Research			
Aligarh Muslim University, Aligarh	Junior Research Fellow	01/01/2016-31/12/2017	Research			
Research Interests / Specialization						
Unresolved fundamental questions concerning the synthesis of perovskite and double perovskite structures and their performances for optoelectronic devices such as light emitting diodes (LEDs) and solar cells. The point defects induced magnetic properties by the doping of nonmagnetic element in perovskite structures.						
Teaching Experience (Subjects/Courses Taught)						
Quantum Mechanics, Condensed Matter Physics, Electrodynamics, Nanoscience etc.						
Publications /Academic Activities (Numbers Only)						
Books & Monographs (Single Author)	Research Papers Published in International Journals	16	Papers Presented in Seminars/ Conferences	12	Seminars/ Conferences Organized	Research Projects (Completed)
Books (Co-authored)	Research Papers Published in Other Journals	12	Seminar/ Conferences Attended	13	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		Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books				Resource Lectures Delivered					

Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)

(b) Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2021	Intrinsic structural distortion assisted optical and magnetic properties of orthorhombic rare-earth perovskite La _{1-x} EuxCrO ₃ : Effect of t-e hybridization	Journal of Alloys and Compounds 850 (2021) 156748	0925-8388	
2020	Tunable luminescence in Ce ³⁺ /Mn ²⁺ co-doped ZrO ₂ nanophosphor integrated with theoretical studies on possible (ZrO ₂) _n clusters using DFT method	Journal of Alloys and Compounds / 853 / 157378 / 2020	0925-8388	
2020	Lattice defects formulated ferromagnetism in nonmagnetic La (III) ion doped NiO nanostructures: Role of oxygen vacancy	Journal of Alloys and Compounds 825, 154-071 (2020)	0925-8388	
2019	Enhanced optical properties of pure and Sr doped NiO nanostructures: A comprehensive study	Optik 185, 599-608 (2019)	0030-4026	
2019	Exploring the Ce ³⁺ ions doping effect on optical and magnetic properties of NiO nanostructures	Journal of Magnetism and Magnetic Materials 500, 166323 (2019)	0304-8853	
2019	Dielectric relaxation and Hopping conduction mechanism in Ni _{1-x} Sr _x O nanostructures	Materials Chemistry and Physics 239, 121959 (2019)	0254-0584	
2020	Electrical and thermal transport properties of Ni _{1-x} Ce _x O nanostructures	Materials Chemistry and Physics 251, 123-160 (2020)	0254-0584	
2020	Large enhancement in UV emission and photocatalytic performance of Al-doped Co ₃ O ₄ Nanostructures under visible light	Optical Materials 107, 110-101 (2020)	0925-3467	
2019	Improved Photocatalytic Activity of Sr doped SnO ₂ Nanoparticles: A role of Oxygen Vacancy	Applied surface science 463 976-985 (2019)	0169-4332	
2019	Defect assisted improved room temperature ferromagnetism in Ce doped SnO ₂ nanoparticles	Applied surface science 483 463-471(2019)	0169-4332	
2017	Enhanced room temperature ferromagnetism in Ni doped SnO ₂ nanoparticles: A comprehensive study	Journal of Applied Physics 122, 083906 (2017)	0021-8979	
2018	Influence of reduced graphene oxide on structural, optical, thermal and dielectric properties of	Advanced Powder Technology 29, 3415-3426 (2018)	0921-8834	

	SnO₂ nanoparticles			
2018	Enhanced dielectric properties of Fesubstituted TiO ₂ nanoparticles	Physica B: Condensed Matter 534,1-4 (2018)	0921-4526	
2020	Influence of Mg ²⁺ ion on the Optical and Magnetic Properties of TiO ₂ Nanostructures: A key role of oxygen vacancy	Optik - International Journal for Light and Electron Optics 223 (2020) 165340	0030-4026	
2019	Enhanced optical properties of pure and Sr doped NiO nanostructures:A comprehensive study	Optik 185, 599-608 (2019)	0030-4026	
2018	Enhanced electrical and thermal properties of pure and Ni substituted ZnO nanoparticles	Journal of nanostructures and nano objects 16 (2018) 156-166	2352-507X	
2021	Influence of La ³⁺ ion and Oxygen Vacancy on Electrical Conduction and Thermal Stability of NiO Nanostructures: An Electron Paramagnetic Resonance based Study	Materials Chemistry and Physics	0254-0584	Communicated...

(c) Articles

1. **M. Naseem Siddique**, Ateeq Ahmed and P. Tripathi Structural and Room Temperature Dielectric Properties of Ethylene Glycol Assisted Pure and Al doped NiO Nanoparticles, AIP Conference Proceeding, 1942, 050010 (2018).
2. **M. Naseem Siddique**, Ateeq Ahmed, Tinku Ali and P. Tripathi
Investigation of Optical Properties of Nickel Oxide Nanostructures using Photoluminescence and Diffuse Reflectance Spectroscopy” AIP Conference Proceeding, 1953, 030027 (2018).
3. **M. Naseem Siddique**, Ateeq Ahmed, Tinku Ali and P. Tripathi
Frequency Dependent Dielectric Properties of Sr Doped NiO Nanostructures, AIP Conference Proceeding, 1953, 050037 (2018).
4. **M. Naseem Siddique**, Ateeq Ahmed, Tinku Ali and P. Tripathi
Optical band gap and enhanced photoluminescence in Ni_{1-x}Al_xO (x=0.01, 0.03) nanostructures, AIP Conference Proceeding, 2115, 030063 (2019).
5. **M. Naseem Siddique**, Ateeq Ahmed, Tinku Ali and P. Tripathi
Optical band gap, Urbach energy and Defect related Photoluminescence in Ni_{0.95}Al_{0.05}O Nanostructures, IOP Conference Proceeding, 577 (2019) 012036.
6. Ateeq Ahmed, P. Tripathi, **M. Naseem Siddique**, and Tinku Ali
“Microstructural, Optical and Dielectric Properties of Al-incorporated SnO₂ Nanoparticles” IOP Conference Proceeding: Materials Science and Engineering 225 (2017) 012173.
7. Ateeq Ahmed, **M. Naseem Siddique**, Tinku Ali and P. Tripathi
Structural, Optical and Dielectric Properties of Sn_{0.97}Ce_{0.03}O₂ Nanostructures, AIP Conference Proceeding, 1953, 050036 (2018).
8. Ateeq Ahmed, **M. Naseem Siddique**, Tinku Ali and P. Tripathi
Superparamagnetic Behavior in Sn_{0.95}Mg_{0.05}O₂ Nanoparticles, AIP Conference

<p>Proceeding, 1942, 050055 (2018).</p> <p>9. Ateeq Ahmed, M. Naseem Siddique, T. Ali, and P. Tripathi, Enhanced photocatalytic performance of Ni doped SnO₂ nanoparticles, AIP Conference Proceeding, 2115, 030158 (2019).</p> <p>10. Ateeq Ahmed, M. Naseem Siddique, T. Ali and P. Tripathi, Frequency Dependent Dielectric Response in Sr doped SnO₂ Nanoparticles, IOP Conference Series: Materials Science and Engineering, 577, 012041 (2019).</p> <p>11. T. Ali, Ateeq Ahmed, M. Naseem Siddique, Tabish Aftab, P.Tripathi, Influence of Ag Substitution on Structural and Dielectric Properties of TiO₂ Nanoparticles, AIP Conference Proceeding, 1942, 050056 (2018).</p>
<p><u>(d) Seminar/Conference Presentations</u></p> <ol style="list-style-type: none"> 1. Advanced Materials World Congress (AMWC) 23–26 August 2015 Stockholm, Sweden 2 Nanotechnology for chemical applications TEQIP-II AMU Aligarh (India) 3 Nanoscience and Nanotechnology ALIGARH NANO-III AMU Aligarh, India 4 Nanoscience and nanotechnology ALIGARH NANO IV AMU Aligarh, India 5. International conference of recent trends in chemicals science (ICRCS -2017) Jan. 12-13, 2017 at Bikaner (Rajasthan), India 6. International conference on condensed matter and Applied Physics (ICC-2017), NOV. 24-25, 2017, Bikaner (Rajasthan), India- 7. 62rd DAE Solid State Physics Symposium (DAE-SSPS 2017), Dec. 26 – 30, 2017, DAE Convention Centre, Bhabha Atomic Research Centre, Anushaktinagar, Mumbai, India 8. International conference on Advances in Materials Manufacturing Applications (ICONAMMA-18), Aug. 16-18, Bengaluru, Karnataka, India – 560035 9. 63rd DAE Solid State Physics Symposium (DAE-SSPS 2018), December 18-22, 2018 Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India. 10. 64th DAE Solid State Physics Symposium (DAE-SSPS 2019), December 18-22, 2019, Indian Institute of Technology Jodhpur, Rajasthan
<p><u>(e) Resource Lectures Delivered</u></p>
<p><u>(f) Seminars/Conferences/Workshops Organized</u></p>
<p><u>(g) Public Service / University Service / Consulting Activity</u></p>
<p><u>(h) Memberships of Academic/Professional Bodies</u></p>

Signature of Faculty Member
(in Hard Copy Only)

Note: Please submit this file to E-mail ID: rkg@mjpru.ac.in through your own E-mail ID.