



Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Surya Pratap	Last Name	Goutam	Photograph
Designation		Assistant Professor				
Department		Department of Physics				
Address	Campus	Constituent Government College, Sahaswan, Badaun, Department of Physics, M. J.P. Rohilkhand University, Bareilly,(UP) INDIA				
	Residence	Avas Vikas Colony, Civil Lines Badaun- 243601				
Mobile No.		8739032297				
Email ID		Personal		suryabbau@gmail.com		
		University Domain		-		
Professional Networking ID, i.e. LinkedIn, Twitter etc.		Linkedin: Linkedin				
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution			Year	Details/Thesis Topic/Subjects	
B.Sc	Bareilly College Bareilly			2011	Physics, Mathematics	
M.Sc.	B.B.A. (Central) University, Lucknow			2013	Applied Physics	
Ph.D.	B.B.A. (Central) University, Lucknow			2019	Applied Physics	

Career Profile					
Organization / Institution		Designation	Duration	Nature of Duties	
Department of Applied Science and Humanities, Invertis University, Bareilly-UP 243123, India		Assistant Professor	July 2019 to March 2021	Teaching & Research	
Constituent Government College, Sahaswan, Budaun, Department of Physics, MJP Rohilkhand University, Bareilly, U.P. (U.P. State Govt. University)		Assistant Professor	December 2022 to onwards	Teaching & Research	
Research Interests / Specialization:					
Nanoscience and Nanotechnology, Photocatalyst, Wastewater Treatment, Green Synthesis, Nano Fabrication					
Research Experience in Years: 7 Years					
No of Research Scholars Successfully Guided: -----					
Name of Programme		Awarded		Under Supervision	
Ph.D.		-----		-----	
M.Phil.		-----		-----	
Dissertation (M.Ed./M.A., M.Sc.)		08		-----	
Researcher/ Expert ID	Scopus	Orcid	Publons	Vidwan	Google Scholar
	<u>Research Gate</u>	<u>ORCID</u>	<u>Publons</u>	-	<u>Google Scholar</u>
Teaching Experience (Subjects/Courses Taught): 04 Years					
Solid State Physics, Quantum mechanics, Nanomaterials, Electronics, Thermodynamics					
Honours / Awards & Fellowship FOR OUTSTANDING WORK:-----					
1. Awarded “Best Research scholar Award” for outstanding contribution in Applied Physics					

Name of Award/ Fellowship	Awarded By		
	Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body
Best Research Scholar Award	Agro environmental Development Society (AEDS)	Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad, Prayagraj, Uttar Pradesh, India	-----

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	---	Research Papers Published in International Journals	11	Papers Presented in Seminars/ Conferences	08	Seminars/ Conferences Organized	02	Research Projects (Completed)	--
Books (Co-authored)	---	Research Papers Published in Other Journals	---	Seminar/ Conferences Attended	13	Workshops Organized	--	Research Projects (Ongoing)	--
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	01	Sessions Chaired in Seminars/ Conferences	01	Membership of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	01
Chapters in Edited Books	06			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
2008	Green synthesis of TiO ₂ nanoparticles using leaf extract of <i>Jatropha curcas</i> L. for photocatalytic degradation of tannery Wastewater	Chemical Engineering Journal	1385-8947	481	16.74
2023	Green Synthesis of Fe Doped TiO ₂ Nanoparticles Using <i>Aegle marmelos</i> Leaves Extract for the Photocatalytic Degradation of Rhodamine B Dye	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2250-1762	01	1.1
2016	Sunlight irradiation induced synthesis of silver nanoparticles using glycolipid biosurfactant and exploring the antibacterial activity	Journal of Bioengineering and Biomedical Science	2164-6635	41	--

2017	Green Synthesis and characterization of Aluminium Oxide Nanoparticles using Leaf Extract of Rosa	Advance Science, Engineering and Medicine	2164-6635	13	.98
2018	Synthesis of Titanium dioxide (TiO ₂) via sol-gel Method and Fabrication of Dye sensitized Solar Cell	Advance Science, Engineering and Medicine	2164-6635	01	.98

2017	Coriander extract mediated synthesis of zinc oxide nanoparticles and their structural, optical and antibacterial properties	Journal of Nanoscience and Nanotechnology	2455-0191	31	--
2019	Perovskite Structured Nanomaterials: An advanced Key for Development of Nanotechnology	Sensor Letters	1546-1971	01	.98
2018	A density functional theory study on structural stability and electronic properties of CO _x O _y (x+y= 4-12)	Advance Science, Engineering and Medicine	2164-6635	02	.98
2015	Size dependent structural, electronic and vibration al properties of CdmSn (m+n=2-6) Nano clusters: A DFT Study	International Journal of Advance Research	2320-5407	05	7.33
2020	Synthesis of Copper Oxide Nanoparticles using Green Leaves Extract of Azadirachta Indica I	Invertis Journal of Renewable Energy	2454-7611	-----	-----
2018	Synthesis of Iron Oxide Nanoparticles using leaf extract of Ocimum sanctum for Wastewater Treatment	proceeding paper in an international conference (EIAEASSD2018) on Emerging Issues in Agricultural, Environmental and Applied Sciences for Sustainable Development.	978-93-88237-24-6	-----	-----

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation on Google/web of science
National	International							
	01	Bioremediation of Industrial Waste for Environmental Safety: Industrial Waste and its Managemet	Green Synthesis of Nanoparticles and Their Applications in Water and Wastewater Treatment	Springer Nature, Singapore	2020	978-981-13-1890-0	--	85

	02	Bioremediation of Industrial Waste for Environmental Safety Volume II	Emerging and ecofriendly technologies for the removal of organic and inorganic pollutants from	Springer Singapore	2020	13-978-9811334252	--	17
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			industrial wastewat ers					
	03	Industrial Applic ations of Green Solvents	Applic at ion of Super critical Carbon Dioxide in the Leather Industry	Material s Resear ch Forum, LLC, The USA	2019	978-1-6 4490-02 2-2	--	02
	04	Bioremediation for Environmental Sustainability	Biogenic nanoparti cles for removal of heavy metals and organic pollutants from water and wastewat er: advances, challenge s, and future prospects	Elsevier	2021	978-0-1 2-82052 4-25	--	14
	05	Microbio me Under C hanging Climate: Implicati ons and Solution s	Impacts of UV Ra diation and inte raction with Climate Change	Woodhe ad Publi shing	2022	B978-0- 323-905 71-8.00 012-2	--	01
	06	Emerging Domains of Material Science	Materials Science and Molecula r Modeling	Thanuj Internation al Publishers	2022	978-81- 952529- 6-1		--

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

Reso urce pers on	Detail of Event	Title of Lecture	Date	Institution
Internation Al Conferenc E	International conference on Emerging Issues in Agricultural,	Green Synthesis of Nanomaterials for wastewater	27-29 November	Sam Higginbottom University of Agriculture, Technology and

Environmental and Applied Sciences for Sustainable Development held at Biotech Conference Hall, Sam Higginbottom University of Agriculture, Technology and sciences, Allahabad, Uttar Pradesh, India from 27-29 November, 2018	treatment		sciences, Allahabad, Uttar Pradesh, India
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(f) Seminars/Conferences/Workshops Organized:

1. Member of Organizing Committee in International Conference on Nanoscience and Nanotechnology-2013, November 18-20, 2013, Department of Applied Physics, School For physical sciences, Babasaheb Bhimrao Ambedkar University (A Central University) Vidya Vihar, Raebareilly Road, Lucknow
2. Acted as Convenor of international symposium “Emerging Smart Materials for Advancement of Science and Technology (ESMAST-2021)” at Invertis University Bareilly.
3. Acted as a member of Editorial Committee for an International Conference “International Conference on Recent Advances in sciences -2020’ at Invertis University Bareilly.

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

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
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(h) Administrative Positions/Assignments Held

Responsibilities & Positions held with Past Employer)

Post	Organization	Duration	
		From	To

Responsibilities & Positions held with Present Employer

Post	Organization	Duration	
		From	From
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(i) Seminar/Conferences/ Workshops

1. Second International Conference, Kathmandu Symposia on Advanced Materials -2014 (KASAM-2014), September 7-10, 2014 held in Kathmandu, Nepal.
2. Characterization and Functionalization of Nano-materials (CFN-2015) Department of Physics, Banaras Hindu University, Varanasi-221005 (India), March-09-13, 2015, under UG

networking program.

3. 6th IJAA-JSPS International Conference on “Contemporary Advances of Science and Technology (IC-CAST-2015), organized by Banaras Hindu University, Varanasi, India, during August 7-9, 2015.
4. International Workshop on Futuristic Materials: Characterization, Properties and applications in technology (CFMCPAT-14) July 17-22, 2014 organized by department of applied physics, faculty of engineering and technology, Mahatma Jyotiba Phule Rohilkhand University, Bareilly- 243003, India.
5. International Pharmaceutical conference-2015 on “Nano-formulations and Translational research: Small Getting Bigger” organized by Department of Pharmaceutical Sciences Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh, India on 2nd and 3 rd February 2015.
6. International Conference on Nanoscience and Nanotechnology-2013, November 18-20, 2013, organized by Department of Applied Physics, School For physical sciences, Babasaheb Bhimrao Ambedkar University (A Central University) Vidya Vihar, RaebareillyRoad, Lucknow-226025, Uttar Pradesh, India.
7. National workshop “Innovation and Technology Transfer to Industries: Role of Universities (ITTE-2014), 10th and 11th March 2014. Center for Industry Institute partnership program, Babasaheb Bhimrao Ambedkar University, Lucknow-226025.
8. 103rd Indian Science Congress held at University of Mysore from January 3-7, 2016.
9. 104th Indian Science Congress held at S.V. UniversityTirupati from January 3-7, 2017.
10. National Conference on “Application of High Pressure: Techniques and Novel Materials in the Frontiers of Science” organized by National Centre of Experimental Mineralogy and Petrology, the University of Allahabad during October 25-26, 2013.
11. National workshop on “ Material Synthesis, HP-HT and use of electron microscopy” organized by National Centre of Experimental Mineralogy and Petrology, the University of Allahabad during 16-22, 2016.
12. 2nd Lucknow Science Congress, March 27-28, 2014, Babasaheb Bhimrao Ambedkar University, Lucknow, Leveraging Science and innovation for development.
13. International Conference on Nanoscience and Nanotechnology (ICNN-2017) September 22-24, organized by department of applied physics, School for physical sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow-226025
14. International Symposia on Advances in Materials Characterization (ISAMC-2014) July 14, 2014, organized by Department of Applied Physics, School For physical sciences, Babasaheb Bhimrao Ambedkar University (A Central University) Vidya Vihar, Rae BareillyRoad, Lucknow-226025, Uttar Pradesh, India.
15. 4th International Conference on Recent Advances and Science (ICRAS-2020) held on February28-29, 2020 at Invertis University, Bareilly (UP), India.

(j) Memberships of Academic/Professional Bodies:			
<ol style="list-style-type: none"> 1. Life Time Member of Indian Science Congress Association, India 2. Life Time Member of Agro Environmental Development Society 			
(k) Participation in Community Service / Exchange Programme / Consulting Activity			

(l) International Academic Exposure:-----			
Second International Conference on material science, entitled “Kathmandu Symposia on Advanced Materials” - 2014 (KASAM- 2014), held in Kathmandu, Nepal.	--	September 7-10, 2014	Kathmandu, Nepal
(m) Any Other Details:			

Signature of Faculty Member