



BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)
Kair, Near Najafgarh, New Delhi - 110043
Faculty Details proforma for College Web-site

Title	Ms	First Name	Shweta	Last Name	Yadav	
Designation		Assistant Professor				
Address		Flat No. 525, Rosewood apartment, Pocket A, sector 13, Dwarka, New Delhi 110078				
Phone No						
Office						
Residence						
Mobile		9873229966				
Email		Shweta.yadav@bn.du.ac.in				
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
B.Sc(H) Physics	Kalindi College (University of Delhi)				2007	
M.Sc Physics	University of Delhi				2009	
M.Tech. Nanotechnology	NIT, Kurukshetra				2011	
Ph.D	DTU, Delhi				Pursuing	
Career Profile						
Assistant professor(ad-hoc) at Bhagini Nivedita College from August 2012-till date						
Administrative Assignments						
Worked as Member of various staff council committees						
Areas of Interest / Specialization						
Material sciences, Nanomaterials, Luminescent materials						
Subjects Taught						
Mathematical Physics-I (B.Sc(H) Physics) Mathematical Physics-III(B.Sc(H) Physics) Thermal Physics- B.Sc(H) Physics Electromagnetic theory B.Sc(H) Physics) Thermal Physics and Statistical Mechanics- B.Sc-Physical Sciences Wave and Optics- B.Sc-Physical Sciences Modern Physics- B.Sc(H) Physics Electrical Circuit Analysis- B.Sc(H) Physics						
Time table of the subjects taught during the current semester						
S.No.	Subject	Days	Time	Classroom		
1	Statistical Mechanics	Monday, Tuesday	11:00 AM-1:00 PM; 9:00 -11:00 AM	Physics Lab; 22		
2	Electrical Circuit Analysis	Wednesday	11:00 AM-1:00 PM	Physics Lab		
3	Electrical Circuit Analysis Lab	Monday, Wednesday	9:00 -11:00 AM; 1:00- 3:00 PM	Physics Lab		



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4	Analog Electronics Lab	Thursday, Friday	1:00-3:00 PM; 9:00 - 11:00 AM	Physics Lab
5	Research Methodology Lab	Friday	11:00 AM-1:00 PM	
Research Guidance				
Publications Profile				
[1]	D. Haranath, S. Mishra, S. Yadav, R.K. Sharma, L.M. Kandpal, N. Vijayan, M.K. Dalai, G. Sehgal, V. Shanker, Rare-earth free yellow-green emitting NaZnPO ₄ :Mn phosphor for lighting applications <i>J.</i> , 221905 (2012) 1–6.			
[2]	S. Yadav, A.S. Rao, D. Meena, Optical characteristics, Judd-Ofelt analysis of enhanced luminescence by flux in thermally stable, novel Eu ³⁺ -doped BaZr(PO ₄) ₂ phosphor for indoor lighting applications, <i>Phys. B Condens. Matter.</i> 695 (2024) 416522. https://doi.org/10.1016/j.physb.2024.416522 .			
[3]	S. Yadav, A.S. Rao, D. Meena, Tunability of photoluminescent properties and energy transfer behaviour of thermally stable BaZr(PO ₄) ₂ : Dy ³⁺ , Eu ³⁺ phosphor for warm white LEDs and indoor lighting applications, <i>Opt. Mater. (Amst.)</i> 165 (2025) 117134. https://doi.org/10.1016/j.optmat.2025.117134 .			
Publications in the Last one year				
[1]	S. Yadav, A.S. Rao, D. Meena, Tunability of photoluminescent properties and energy transfer behaviour of thermally stable BaZr(PO ₄) ₂ : Dy ³⁺ , Eu ³⁺ phosphor for warm white LEDs and indoor lighting applications, <i>Opt. Mater. (Amst.)</i> 165 (2025) 117134. https://doi.org/10.1016/j.optmat.2025.117134 .			
Conference Organization/ Presentations (in the last three years)				
1. Presented Poster entitled “Novel red emitting barium zirconium phosphate phosphor for wLED applications” in “International Conference on Atomic, Molecular, Material, Nano and Optical Physics with Applications (ICAMNOP–2023)” from 20th-22th Dec, 2023, organised by Department of Applied Physics, Delhi Technological University, New Delhi, India 2. Presented Poster entitled “Structural, morphological and photoluminescent studies of Dy³⁺ doped BaZr(PO₄)₂ phosphor for white LEDs and indoor lighting applications” in “3rd International Conference on “Advanced Functional Materials and Devices				



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(AFMD-2025)” from 3rd-5th Mar, 2025, organised by Atma Ram Sanatan Dharma College, University of Delhi, India
Research Projects (Major Grants/Research Collaboration)
Awards and Distinctions
Received Commendable Research Award for excellence in research in recognition for the research during the year 2024 by Delhi Technological University
Association With Professional Bodies
Other Activities

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.