



GOVERNMENT G.N.A. P.G. COLLEGE, BHATAPARA (C.G.)
(Affiliated to Pt. Ravishankar Shukla University Raipur)

Faculty Details

Title	First Name	Last Name	Photograph
Dr.	Deepak Kumar	Yadav	
Designation	Assistant Professor (Physics)		
Address	Govt. G.N.A.PG College Bhatapara		
Phone Number	Office	-	
	Residence	-	
	Mobile	9079192900	
Email Id	raodeepak945@gmail.com		
Web Page	https://researchid.co/raodeepak945		
Educational Qualification			
Degree	Institution	Year	
Ph.D.	University of Rajasthan	2025	
GATE	IIT-G	2018	
NET	CSIR-UGC	2017,2018	
M.Sc.	Central University of Haryana	2017	
B.Sc.	University of Rajasthan	2015	
Career Profile			
<p>Dr. Deepak Kumar Yadav is currently serving as an Assistant Professor in the Department of Physics at Govt. G.N.A. P.G. College, Bhatapara since June, 2023. He completed his Ph.D. in Physics from the University of Rajasthan and has qualified national-level examinations such as CSIR-NET and GATE. His academic and research interests lie in the fields of solid-state physics, hydrogen storage materials, nanocomposites, green synthesis, and renewable energy technologies. Dr. Yadav has made significant contributions to research through publications in reputed Scopus and SCI-indexed journals, focusing particularly on improving hydrogen absorption and desorption kinetics and developing environmentally sustainable materials. Alongside his research work, he is actively involved in teaching undergraduate and postgraduate students, mentoring them, and contributing to various academic activities. With a strong interdisciplinary approach, he combines experimental and applied physics to address contemporary challenges in energy and sustainability. His research impact is reflected in his growing citation metrics, including a notable h-index and multiple scholarly contributions. Dr. Yadav is committed to academic excellence, innovative teaching practices, and advancing knowledge in the field of physics.</p>			
Administrative Assignments			

Sports Incharge – Session 2025-26**NSS P.O.- Session 2023-24,2024-25**

Student Union Committee - Member, Anti-Ragging Committee - Member, College Development & Infrastructure Committee - Member, NEP 2020 Committee - Member, Guest Lecturer Selection Committee - Member, Research Committee – Member, Skill Development and Personal Development Committee – Member.

Areas of Interest / Specialization

Condensed Matter Physics Experimental (Hydrogen Storage, Thin film Deposition & Green Synthesis of Nanoparticles)

Subjects Taught

Mechanics, Electromagnetism, Optics, Electronics and Solid-State Devices, Introduction of Statistical Mechanics, Mathematical Physics-1, Thermal Physics

Research Guidance

Publications Profile

<https://scholar.google.com/citations?user=jfvI0EkAAAAJ&hl=en>

Chapters in Books:

Book Title	Publisher	ISBN
Green Chemistry	Green Chemistry, Civil Publication, Bilaspur	978-81-996794-1-2

Conference Organization/ Presentations (in the last five years)

Title	Conference/Workshop	Place
Design Architecture of Microbial Supercapacitors: Key Components, Mechanisms of Electricity Generation, Challenges, and Future Perspectives	3 rd International Conference on Renewable Energy on 17-18 March 2026	University of Rajasthan
Thermodynamic and Kinetic Effect of VCL3 on the Hydrogen Storage Properties of Magnesium Hydride	3 rd International Conference on Renewable Energy on 17-18 March 2026	University of Rajasthan
Application of Field Theory in Daily Life	National Workshop on Fields & Galois Theory	MBGPG College, Haldwani, Uttarakhand & Prof. B.L. Sharma Higher Mathematics Trust

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

NA

Association With Professional Bodies

Life Member Indian Association of Physics Teachers

Other Activities**Participation in Orientation Courses/ Refresher Courses/ Workshops/ FDPS etc.**

Course	Organized by	Duration
Faculty Development Programme	IQAC- IGGPG College Bhilai	07-10-2023 to 14-10-2023
NEP Orientation & Sensitization Programme	MMTTC- University of Rajasthan	15-04-2024 to 27-04-2024
Orientation Programme (Guru Dakshta Programme)	UGC-MMTTC IGNTU, Amarkantak	02.12.2024 to 31.12.2024
Faculty Development Programme (IKS)	Department of Chemistry & Geography, Govt. Lahiri P.G. College, Chirimiri (Chhattisgarh)	05.04.2025 to 12.04.2025
Refresher Course in Physics	UGC-MMTTC, Central University of Haryana, Haryana	09.02.2026 to 21.02.2026

Seminars/ Conferences Attended:**Programmes Organized and Conducted:**

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