DR. KULDEEP KUMAR
Assistant Professor | Department of Physics
Government Degree College, Nowshera, Jammu & Kashmir



ACADEMIC PROFILE

Assistant Professor in the Department of Physics, Government Degree College, Nowshera, Jammu & Kashmir.

EDUCATIONAL QUALIFICATIONS

Matriculation (10th) | 1998

10+2 (12th) | 2000

Qualification	Year	Institution / University	Specialization
B.Sc.	2003	GGM Science College	—
M.Sc. Physics	2006	University of Jammu	Condensed Matter Physics
M.Phil.	2007	University of Jammu	Nuclear Physics
Ph.D.	2023	Banasthali Vidyapith, Rajasthan	Material Physics

TEACHING EXPERIENCE

Currently serving as Assistant Professor in the Department of Physics, Government Degree College, Nowshera, Jammu & Kashmir.

REFRESHER / ORIENTATION PROGRAMMES

Period	Programme	Organising Institution	Grade / Outcome
22 July – 4 August 2026	Two-Week Online Multidisciplinary Refresher Course on "Environmental Challenges and Sustainability in Action"	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University	A+
22–31 January 2024	NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme	UGC-MMTTC, Shri Mata Vaishno Devi University, Katra	Participation
6–20 June 2022	Online Inter-Disciplinary Two-Week Refresher Course on "Managing Online Classes & Co-creating MOOCs 15.0"	Teaching Learning Centre, Ramanujan College, University of Delhi	A+
21 October – 4 November 2019	Research Course in Environmental Sciences	University of Jammu	Grade A

FACULTY DEVELOPMENT / TRAINING PROGRAMMES

Duration	Programme	Organising Institution
1 week	International E-Workshop on Language Translation Skills	Higher Education Department, Govt. of J&K, in collaboration with National Translation Mission, Mysuru, Govt. of India
1 week	National E-Workshop on "Leveraging Education for Harnessing Entrepreneurship, Research & Innovation" (LEHERI-2020)	Higher Education Department, Govt. of J&K, in collaboration with Grassroots Innovation and Augmentation Network (GIAN), India
10 days	Faculty Development Programme on "ICT Tools for Reaching and Teaching Remote Learners in Higher Education"	Govt. PG College for Women, Gandhi Nagar, Jammu
1 day	One Day Workshop on "Website Development, Management and Content Updating" (19 August 2026)	Internal Quality Assurance Cell, SCS Govt. Degree College Mendhar

RESEARCH PUBLICATION

Gupta, P., Kattayat, S., Kumar, K., Ahmad, M. A., Parikh, P., & Alvi, P. A. (2026). *Achieving high optical gain at room temperature from SSQW GaAlAs/GaAsP/GaAlAs heterostructure.* Journal of the Korean Physical Society. Published online 16 October 2026.

Author position: Third author (as shown in the supplied article screenshot).

PAPERS PRESENTED AT CONFERENCES / SEMINARS

Level	Contribution / Title	Event	Organiser
International	Paper presentation on "Surface functionality and optical band gap studies of $[CdCl_4]^{2-}$ $[C_{17}H_{14}O_5S]^+$ Hybrid Material"	International Conference on Advances in Basic Sciences	GDC Memorial College, Bhiwani, Haryana
National	Paper presentation on "$[HgCl_4]^{2-}$ $[C_7H_{14}O_5S]^+$ Hybrid Inorganic-Organic Material: Surface and optical studies"	2nd Session of J&K Science Teachers Congress	GGM Science College, Jammu
International	Paper presentation on preparation and properties of hybrid porous material	Two-Day International Conference on "Recent Advances in Interdisciplinary Sciences"	Department of Electronics, University of Jammu
National	Participation	National Seminar on "Recent Advances in Material Sciences"	Department of Physics & Electronics, GCW Parade, Jammu

WEBINARS

Role	Webinar	Organising Institution
Participation	Three Days Webinar on "E-Learning Tools for Teaching & Learning"	Department of Computer Sciences, Govt. MAM PG College, Jammu
Participation	National Webinar on "Holistic Mental Health & Emotional Wellbeing"	Psychological Cum Career Counselling & Placement Cell, Higher Education Department, Govt. of J&K and GCW Parade, Jammu
Participation	Webinar on "Roadmap for Placements"	Psychological Cum Career Counselling & Placement Cell, Higher Education Department, Govt. of J&K and GCW Parade, Jammu

CONTRIBUTIONS TO THE COLLEGE

- Coordinator, Internal Quality Assurance Cell (IQAC).
- Nodal Officer, PM-USHA.
- Convener, College Development and Planning Committee.
- Convener, Purchase Committee.
- Convener, Local Fund Committee.
- Convener, Internal Assessment/Examination Committee.
- Convener, Income Tax Committee.
- Convener, Advisory Committee.
- Convener, NSS Advisory Committee.

EXTRA-CURRICULAR ACTIVITIES

- Working as Associate NCC Officer (ANO), NCC Boys Unit, Government Degree College, Nowshera.