DEPARTMENT OF PHYSICS & ASTROPHYSICS | UNIVERSITY OF DELHI

Faculty Willing to Register Ph.D. Students — Academic Year 2026–27

DEPARTMENT TEACHERS

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
1	Prof. Somorendro Shougaujam Singh	Department of Physics & Astrophysics, University of Delhi	High Energy Physics of Quark Gluon Plasma And Atomic Physics	sssingh@physics.du.ac.in
2	Dr. Roli Verma	Department of Physics & Astrophysics, University of Delhi	Optics, Photonics, Sensors, Plasmonics, Fluorescence spectroscopy	roli@physics.du.ac.in
3	Dr. Mangilal Choudhary	Department of Physics & Astrophysics, University of Delhi	Experimental Plasma Physics (Fundamental and Applied)	mchoudhary@physics.du.ac.in
4	Dr. Dheeraj Kumar Singh	Department of Physics & Astrophysics, University of Delhi	Nanomaterials for Energy and Environmental Applications, Spectroscopy	dsingh@physics.du.ac.in
5	Prof. Amarjeet Kaur	Department of Physics & Astrophysics, University of Delhi	Experimental Condensed matter Physics-Material Science	amarkaur@physics.du.ac.in
6	Dr. Anjali Sharma Kaushik	Department of Physics & Astrophysics, University of Delhi	Material Science	asharma@physics.du.ac.in
7	Prof. Thakur Prasad Yadav	Department of Physics & Astrophysics, University of Delhi	Physics of Materials, Experimental Condensed Matter Physics, Nanomaterials, Hydrogen Energy, High Entropy Alloys / Quasicrystals	tpyadav@physics.du.ac.in
8	Dr. Archana Mishra	Department of Physics & Astrophysics, University of Delhi	Theoretical Condensed Matter Physics	amishra@physics.du.ac.in

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
9	Prof. Binay Kumar	Department of Physics & Astrophysics, University of Delhi	Experimental Condensed Matter: Crystals and Nanoparticles, Energy Harvesting	bkumar@physics.du.ac.in
10	Dr. Natasha Sharma	Department of Physics & Astrophysics, University of Delhi	High Energy Physics	nsharma@physics.du.ac.in
11	Dr. I. Panneer Muthuselvam	Department of Physics & Astrophysics, University of Delhi	Experimental Condensed Matter Physics	panneermuthuselvami@physics.du.ac.in
12	Dr. Devinder Singh	Department of Physics & Astrophysics, University of Delhi	Experimental Condensed Matter Physics/ Materials Science	devinderauup@gmail.com
13	Dr. Pradeep Kumar Shukla	Department of Physics & Astrophysics, University of Delhi	Chemical Physics, Computational Materials Science	pkshukla@physics.du.ac.in
14	Dr. Krishnakanta Mondal	Department of Physics & Astrophysics, University of Delhi	Computational Materials Science, Energy Storage Applications	kmondal@physics.du.ac.in
15	Dr. Arun Kumar Awasthi	Department of Physics & Astrophysics, University of Delhi	Astronomy and Astrophysics, Solar Physics	arun@physics.du.ac.in
16	Prof. Sourav Sur	Department of Physics & Astrophysics, University of Delhi	General Relativity and Cosmology	sourav@physics.du.ac.in
17	Prof. Samit Kr. Mandal	Department of Physics & Astrophysics, University of Delhi	Nuclear Physics, Nuclear Astrophysics, Nuclear Instrumentation	smandal@physics.du.ac.in
18	Prof. D. N. Gupta	Department of	Laser-Plasma Physics, Plasma Simulations,	dngupta@physics.du.ac.in

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
		Physics & Astrophysics, University of Delhi	Terahertz Radiation generation	
19	Dr. Suman Chowdhury	Department of Physics & Astrophysics, University of Delhi	Computational Condensed Matter Physics : Studying Electronic and Thermoelectric Properties of Different Two-Dimensional Materials	sumanchowdhury88@gmail.com
20	Prof. Awadhesh Prasad	Department of Physics & Astrophysics, University of Delhi	Dynamical Systems	awadhesh.prasad@gmail.com
21	Prof. Shashi Verma	Department of Physics & Astrophysics, University of Delhi	Experimental Nuclear Physics	sverma@physics.du.ac.in
22	Prof Suresh Kumar	Department of Physics & Astrophysics, University of Delhi	Experimental Nuclear physics	skumar@physics.du.ac.in
23	Dr. Arun Kumar	Department of Physics & Astrophysics, University of Delhi	Experimental High Energy Physics	akumar7@physics.du.ac.in
24	Vikram Rathee	Department of Physics & Astrophysics, University of Delhi	Non-equilibrium behavior of colloids and liquid crystals	vr21@physics.du.ac.in
25	Sanjay Kumar Chamoli	Department of Physics & Astrophysics, University of Delhi	Experimental Nuclear Physics (Pure and Applied)	skchamoli@physics.du.ac.in
26	Om Prakash	Department of Physics & Astrophysics, University of Delhi	Experimental condensed matter physics, unconventional superconductors	om.prakash@physics.du.ac.in
27	Debabrata Mishra	Department of Physics &	Sensing and energy devices	dmishra@physics.du.ac.in

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
		Astrophysics, University of Delhi		
28	P. Senthil Kumar	Department of Physics & Astrophysics, University of Delhi	Condensed matter physics	pskumar@physics.du.ac.in
29	M. Naimuddin	Department of Physics & Astrophysics, University of Delhi	High energy physics (CMS and neutrino experiments), detector and instrumentation	nayeemsworld@gmail.com
30	Sanjeev Kumar Verma	Department of Physics & Astrophysics, University of Delhi	Theoretical Physics, Astrophysics, Cosmology	skverma@physics.du.ac.in
31	Dr.Raju Roychowdhury	Department of Physics & Astrophysics, University of Delhi	field theory, gravity and mathematical physics	rroychowdhury@physics.du.ac.in
32	Ashok Kumar	Department of Physics & Astrophysics, University of Delhi	Experimental Particle Physics	ashok.hep@gmail.com
33	Rakesh Kumar Mishra	Department of Physics & Astrophysics, University of Delhi	Biological Physics, Statistical Mechanics, Computational Biology	rkumarmishra@physics.du.ac.in
34	Jyoti Rajput	Department of Physics & Astrophysics, University of Delhi	Atomic and Molecular Physics	jrajput@physics.du.ac.in
35	Sarvesh Kumar	Department of Physics & Astrophysics, University of Delhi	Plasma physics, Accelerator Physics, Materials Sciences	sariuac@gmail.com
36	Ksh Newton Singh	Department of Physics & Astrophysics,	Gravitation, Astrophysics	nsingh@physics.du.ac.in

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
		University of Delhi		
37	Prof. Brijesh Kumar	Department of Physics & Astrophysics, University of Delhi	Nanoelectronics and Laser-Matter Interaction	brijesh@physics.du.ac.in
38	Dr. Yana Bagbi	Department of Physics & Astrophysics, University of Delhi	Material Physics (Primary research area lies within Experimental Condensed Matter Physics, with a core focus on Nanotechnology, Water Remediation, and Electrochemical sensors)	yanabagbi@gmail.com
39	Jai Singh	Department of Physics & Astrophysics, University of Delhi	Condensed Matter Physics/ Nanomaterails	jai@physics.du.ac.in
40	Dr. Shiv Poojan Patel	Department of Physics & Astrophysics, University of Delhi	Experimental Condensed Matter Physics	sppatel@physics.du.ac.in
41	Jagadish Kumar	Department of Physics & Astrophysics, University of Delhi	Condensed Matter Theory	jagadish@physics.du.ac.in
42	Ajit Kumar Mahapatro	Department of Physics & Astrophysics, University of Delhi	Nanoelectronics, Thermoelectrics, Experimental Condensed Matter Physics	amahapatro@physics.du.ac.in
43	Subhajit Paul	Department of Physics & Astrophysics, University of Delhi	Soft Condensed Matter, Statistical Physics, Complex Systems, Biological Physics	spaul@physics.du.ac.in

COLLEGE TEACHERS

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
1	Dr. Yogesh Kumar	ARSD College	Condensed Matter Physics	ykumar@arsd.du.ac.in
2	Dr. Jasvir Dalal	Rajdhani College	Functional Materials, EMI Shielding, Photocatalysis, Luminescence, Sensing,	jasvir@rajdhani.du.ac.in

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
			Conducting Polymers, 2D Materials, Metal Oxides, Metal–Organic Frameworks (MOFs)	
3	Prof. Pradip Kumar Jha	Deen Dayal Upadhyaya College	Theoretical condensed matter	pkjha.physics@gmail.com
4	Dr. M. Anil Kumar	Sri Venkateswara College	Quantum Optics, Quantum Optomechanics & Quantum Random Number Generation	anil@svc.ac.in
5	Dr. Raghvendra Pandey	ARSD College	Experimental and Computational Condensed Matter Physics	raghvendra@arsd.du.ac.in
6	Dr. Devendra Kumar Rana	ARSD College	Material Science	drana@arsd.du.ac.in
7	Dr. Shankar Subramanian	ARSD College	Supercapacitors and batteries	sssubramaniam@arsd.du.ac.in; shankar3274@gmail.com
8	Prof. Arijit Chowdhuri	Acharya Narendra Dev College	Condensed Matter Physics	arijitchowdhuri@andc.du.ac.in
9	Prof. Monika Tomar	Miranda House	Material Science (Experimental)	monikatomar@gmail.com
10	Prof. Punita Verma	Kalindi College	Accelerator-based Atomic Physics	punitaverma@kalindi.du.ac.in
11	Dr. Daljeet Kaur	SGTB Khalsa College	High Energy Physics	daljeet@sgtbkhalsa.du.ac.in
12	Prof. Vandna Luthra	Gargi College	Material Science, Nano Materials, Computational Physics and Astronomy	vandna_arora@yahoo.com
13	Prof. Sunil Kumar	Ramjas College	Complex Systems Networks and Nonlinear Dynamics	skumar@ramjas.du.ac.in
14	Dr. Rakesh Malik	ARSD College	Experimental Material Science (Gas Sensors)	malik.physics@gmail.com
15	Prof. Sukanta Dutta	SGTB Khalsa College	High Energy and Astroparticle Physics	sukanta.dutta@sgtbkhalsa.du.ac.in
16	Dr. Kajal Jindal	Kirori Mal College	Experimental and Theoretical Condensed Matter Physics	Kajalmh18@kmc.du.ac.in
17	Dr. Reema Gupta	Hindu College	Experimental Condensed Matter Physics	Reema.gupta.25@gmail.com
18	Sangeeta D Gadre	Kirori Mal College	Complex Systems	sdgadre@gmail.com
19	Vivek Kumar Verma	Hindu College	Material Science	vivekverma@hinducol

No.	Name of Faculty	Affiliation	Specialization / Broad Research Area	Email ID
				lege.ac.in
20	Chetana Jain	Hansraj College	Astrophysics	chetanajain11@gmail.com
21	ANANT PANDEY	Sri Venkateswara College (Department of Physics)	Radiation Physics	apandey@svc.ac.in
22	Narendra Singh	Zakir Husain Delhi college	Theoretical Atomic Physics	nsingh76@yahoo.co.in