

1. Personal Details

Name	Dr. Disha Wadhawan	
Designation	Assistant Professor	
Department	Physics	
Email	dishawadhawan@dr.du.ac.in , wadhawan.disha2708@gmail.com	

2. Educational Qualification

Degree	Institution	Year
PhD (Theoretical Condensed Matter Physics)	Department of Physics & Astrophysics, University of Delhi	2017
M.Sc. Physics	Miranda House, University of Delhi	2010
B. Sc. (H) Physics	Miranda House, University of Delhi	2008

3. Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
Research Scholar & University Teaching Assistant	Department of Physics & Astrophysics, University of Delhi.	22/08/2010 – 25/10/2016	NA

4. Full time Teaching Experience

S.no	Designation	Institution	Time Period	Nature of Appointment
1.	Assistant Professor	Daulat Ram College, University of Delhi	05/08/2019- till date	Ad-hoc
2.	Assistant Professor	Gargi College, University of Delhi	20/07/2017- 03/08/2019	Ad-hoc
3.	Assistant Professor	Gargi College, University of Delhi	01/03/2017- 29/04/2017	Ad-hoc
4.	Assistant Professor	Miranda House, University of Delhi	05/01/2017 – 28/02/2017	Guest

5.	Assistant Professor	Miranda House, University of Delhi	05/08/2016- 08/11/2016	Guest
Total			4.5 years	

6. Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
Daulat Ram College, University of Delhi	Member, College Website Committee	Completed	2020-2021	1 year
Daulat Ram College, University of Delhi	Member, Quiz Society	Ongoing	July, 2021- till date	3 months +
Daulat Ram College, University of Delhi	Member, Debating Society	Ongoing	July, 2021 – till date	3 months +
Daulat Ram College, University of Delhi	Member, College grievance Committee	Ongoing	July 2021 – till date	3 months +
Daulat Ram College, University of Delhi	Member, Help Desk Committee	Ongoing	September 2021 – till date	

7. Areas of Interest:

Bosonization in low dimensions, quantum fluctuations, low dimensional quantum physics at mesoscopic scale, 2-D Topological insulators, Geometric phases in Quantum Hall and Quantum spin Hall systems, Amplitude and intensity interferometry.

8. Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1.	B.Sc. (H) Physics	Advanced Mathematical Physics- I	V	2019
2.	B.Sc. (H) Chemistry & Maths	Communication System	III	2019
3.	B.Sc. (H) Physics	Classical Dynamics	VI	2020
4.	B.Sc. (H) Chemistry & Maths	Embedded System	II	2020
5.	B.Sc. (H) Physics	Thermal Physics	III	2020

6.	B.Sc. (H) Physics	Mechanics	I	2020
7.	B.Sc. (H) Physics	Classical Dynamics	VI	2021
8.	B.Sc. (H) Physics	Computational Physics Skills	III	2021
9.	B.Sc. (H) Physics	Advanced Mathematical Physics - I	VI	2021

9. Research Guidance Given:

Name of student	Gender	Degree for which guidance	Date of Registration	Supervisor/ Cosupervisor	University	Title of Thesis	Date of submission of thesis	Date of Award of
NA	NA	NA	NA	NA	NA	NA	NA	NA

10. Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/teaching –learning-evaluation/technology programmes/Faculty Development Programme

S.No.	Details	Place	Period		Year	Sponsoring/Organising Agency
			From	To		
NA	NA	NA	NA	NA	NA	NA

11. MOOCs completed with e-certification

S.No.	Details of MOOC	Subject	Certification providing agency	Date of certification	Level (UG/PG/Other)	Year	E-certification no.
NA	NA	NA	NA	NA	NA	NA	NA

12. Contribution towards development of e-content/MOOCs in 4- quadrants

S.No.	Details of E-contents/ MOOCs in 4-quadrants	Quadrants developed	No. of Modules	Course	Sponsoring agency	Year	Level (UG/PG/Other)
NA	NA	NA	NA	NA	NA	NA	NA

13. Contribution towards conduct of MOOCs

S.No.	Details of MOOC	Subject	Sponsoring agency	Level (UG/PG/Other)	Year	E-certification no.
NA	NA	NA	NA	NA	NA	NA

14. Organising seminars/ conferences/workshops, other college/university activities.

S.No.	Year	Details	Place	Period		Sponsoring/Organising Agency
				From	To	
NA	NA	NA	NA	NA	NA	NA

15. Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula**Development of Innovative Pedagogy e module**

S.No.	Name of the Module	Subject	Stream	Organization for which it was developed	Year	Level (UG/PG/Other)	Weblink

NA	NA	NA	NA	NA	NA	NA	NA

16. Research Projects ongoing 2017-21

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received
NA	NA	NA	NA	NA	NA	NA

17. Research projects Completed

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received
NA	NA	NA	NA	NA	NA	NA

18. Books published

S.No	Authors (year)Name of Book. Publisher, ISBN No	Publisher	Date of publishing	Authored/Edited	ISBN No
NA	NA	NA	NA	NA	NA

19. Book Chapters/Articles published

S.No	Author(year) Title of Chapter/Article,in Edited Book: Title of book, Publisher, Vol, Page no	Date of publishing	Authored/Edited	ISBN No
NA	NA	NA	NA	NA

20. E- Modules Published

S.No	Author (year) Title, Module, Subject ,Organisation, Weblink	Date of publishing	Authored/Edited	Link
NA	NA	NA	NA	NA

21. Research Publications:

S.No	Author/s(Year) Journal Name, Vol, series, pg no, ISSN	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No
1.	Disha Wadhawan and Sourin Das, “Dissipation and quantum noise in chiral circuitry”, Physica E, 121, 114117 (2020), ISSN: 1386-9477	23 rd March 2020	3.570	Yes	Yes
2.	Disha Wadhawan , Krishanu Roychowdhury, Poonam Mehta and Sourin Das, “Multielectron geometric phase in intensity Interferometry”, Physical Review B 98, 155113 (2018), ISSN: 2469-9950	5 th October 2018	3.736	Yes	Yes

22. Conference Proceedings publication

S.no	Title of Paper (Year) Title of conference proceedings , Vol, series, Pg no , ISBN	Date of Publishing	Peer Reviewed	Venue of conferenc
------	---	--------------------	---------------	--------------------

			Yes/No	e
	NA	NA	NA	NA

23. Conference Attended and Paper presentation

S.no	Type of Event	Name of Event	Venue of conference	Date of conference	Attended only Yes/no	paper presented Yes/No	Title of Paper Presented
1.	Workshop	NIUS Teacher Development workshop on Thermal and Statistical Physics 2019	Homi Bhabha Center for Science Education	December 10 – 13, 2019	Yes	No	No
2.	Lecture series	Century of Quantum Mechanics and Still Going Strong	Online on Zoom Platform organized by Applied Physics Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda (MSUB), Gujarat Science Academy (GSA), Indian Physics Association (IPA) Baroda Chapter and Indian Association of Physics Teachers (IAPT-RC7) in	June 15- 17, 2020	Yes	No	No

			association with National Academy of Sciences, India (NASI) Delhi Chapter				
3.	Faculty Development Program	National Level Five Day faculty development program on “Scilab”	Online on Telegram Platform organized by St. Peter’s Engineering College in Association With IIT-Bombay (Remote Learning Through Spoken Tutorial)	June 15 – 19, 2020	Yes	No	No
4.	Webinar	Wave Optics- I "Interference and Diffraction"	Online on Zoom Platform organized by IAPT (Indian Association of Physics Teachers), Regional Council -1 (RC - 1)	27 th June, 2020	Yes	No	No
5.	Webinar	New chemistry and physics in magnetic oxides	Online on WebEx platform organized by National Academy of Sciences India (NASI)-Delhi Chapter & MHRD-Institution Innovation Council (IIC), Deen Dayal Upadhyaya	3 rd July, 2020	Yes	No	No

			College, University of Delhi				
6.	Webinar	Engaging UG Physics Students in Pedagogical and Research Projects	Online on Zoom Platform by Cambridge University Press	6 th July, 2020	Yes	No	No
7.	Workshop	3 Day National Online Experimental Workshop Simulation in Physics	Online on Zoom Platform organized by Indian Association of Physics Teachers (IAPT) – Asian Physics Olympiad (APhO) Cell	July 10 – 12, 2020	Yes	No	No
8.	Webinar	Wave Optics- II "Polarization"	Online on Zoom platform organized by IAPT (Indian Association of Physics Teachers), Regional Council -1 (RC - 1)	11 th July, 2020	Yes	No	No
9.	Workshop	'Going Online: Classroom, Field Work & Research'	Online on Zoom Platform	July 11-12, 2020	Yes	No	No
10.	Lecture	Online Lecture on Electrostatics-1	Online on Zoom Platform organized by IAPT (Indian Association of Physics Teachers), Regional Council -1 (RC - 1)	18 th July, 2020	Yes	No	No
11.	E-Faculty Development Program	"Empowering Teaching Learning Process Using Google Classroom & Other ICT Tools: A Comprehensive Practical Approach "	Online on Google Meet platform Organized by Dept. of Commerce, Daulat Ram College,	July 21 – 23, 2020	Yes	No	No

			University of Delhi				
12.	Lecture	Online Lecture on Electrostatics-2	Online on Zoom Platform organized by IAPT (Indian Association of Physics Teachers), Regional Council -1 (RC - 1)	25 th July, 2020	Yes	No	No
13.	Three days National Online workshop on "Challenges of teaching Physics Laboratory courses in Online Mode"	Online organized by Department of Physics & Astrophysics, University of Delhi, Department of Physics, Kalindi College (under the aegis of its IQAC) and partial sponsorship of The National Academy of Sciences India (NASI), Delhi Chapter	January 23, 2021	January 25, 2021	Yes	No	No
14.	Online National Seminar on "Exploring Physics with Experts"	Department of Physics, Kalindi College, University of Delhi in association with The National Academy of Sciences India (NASI), Delhi Chapter	February 10, 2021	February 10, 2021	Yes	No	No
15.	Women in Science Event: WISE (International Symposium on International day for Women and Girls in Science)	Online organized by Gargi College, University of Delhi in association with IQAC.	February 11, 2021	February 11, 2021	Yes	No	No
16.	Webinar on Light Matter Interactions and Characterization	Online organized by Department of Physics St. Xavier's College, Tamilnadu.	August 19, 2021	August 19, 2021	Yes	No	No

	techniques						
17.	Webinar on "Basics of Income Tax & E-Filing of ITR for Salaried Individuals for FY 2020-21",	Online organized by Department of Commerce, Daulat Ram College, University of Delhi	September 1, 2021	September 1, 2021	Yes	No	No
18.	ICTS online discussion meeting on Topological aspects of strong correlations and gauge theories	Online by International Centre for Theoretical Sciences, Bangalore, India	September 6, 2021	September 10, 2021	Yes	No	No

24. Resource Person (Invited Lecture/Paper Presentation/ Chairing session/judging/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1.	Workshop	Workshop on Quantum Mechanics and its Applications	Daulat Ram College, University of Delhi, Delhi	September 24, 2019	Member organizing committee	1 day	Approx. 150
2.	Training Programme	Resource Generation Camp for Experimental Component of the Physics Olympiad Programme	Homi Bhabha Centre for Science Education, Mumbai.	January 19 – 21, 2020	Speaker	2 days	Approx. 30
3.	Educational Trip	Vigyan Samagam – Mega Science Exhibition	National Science Centre, Delhi	14 th February, 2020	Coordinator	1 day	Approx. 30

4.	Webinar	"Art and Science of Mentoring"	Online on Google Meet platform organized by Physics Dept., Daulat Ram College, University of Delhi	1 st June, 2020	Co-Convener	2 hours	Approx. 200
5.	In-House Skill Development Program under IQAC	On "Enhancing Learning Through ICT Tools "	Department of Physics, Daulat Ram College, University of Delhi	17 th August 2020	19 th August, 2020	3 days	90
6.	In-House Skill Development Program under IQAC	On "Enhancing Learning Through ICT Tools "	Department of Physics, Daulat Ram College, University of Delhi	17 th December , 2020	19 th December, 2020	3 days	90

25. Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Honor received
NA	NA	NA	NA	NA	NA	NA

26. Extension Activity (Community related program)

S.No	Type of Activity	Centre and Venue	Title of Event	Role in the event	Date/period of Event	No of members of the community/students /Faculty benefitted
NA	NA	NA	NA	NA	NA	NA

27. Membership of Professional Bodies

S.No	Type of Membership	Organisation	Year of Membership
NA	NA	NA	NA

Lisha Wadhawan.

Signature