

## Faculty Detail Performa

### Sitakshi Gupta

Name	Sitakshi Gupta	
Designation	Assistant Professor	
Department	Physics	
Email	<a href="mailto:sitakshi.gupta19.sg@gmail.com">sitakshi.gupta19.sg@gmail.com</a> , <a href="mailto:sitakshi@dr.du.ac.in">sitakshi@dr.du.ac.in</a>	

### Educational Qualification

Degree	Institution	Year
B. Sc. (H) Physics	Hansraj College, University of Delhi, Delhi	2013
M. Sc. Physics (Overall 2 <sup>nd</sup> rank holder at University level)	Jamia Millia Islamia University, Delhi	2015
National Eligibility Test (NET)	CSIR	2016

### Full Time Research Experience:

Designation	Institute	Time period	Nature of Appointment
IGDTUW Junior Research Fellow (JRF)	Indira Gandhi Delhi Technical University for Women, Delhi	1 <sup>st</sup> Oct 2016 to 30 <sup>th</sup> Sept 2018	N/A
IGDTUW Senior Research Fellow (SRF)	Indira Gandhi Delhi Technical University for Women, Delhi	1 <sup>st</sup> Oct 2018 to 31 <sup>st</sup> Jan 2019	N/A

### Full time Teaching Experience

S.No	Designation	Institution	Time Period	Nature of Appointment
1.	Assistant Professor	Daulat Ram College, University of Delhi	January 2022-Till date	Adhoc
2.	Assistant Professor on Guest Basis by New Selection Committee	Miranda House, University of Delhi	August 2021-December 2021	Guest
3.	Assistant Professor on Guest Basis by New	Miranda House, University of Delhi	November 2020-July 2021	Guest

	Selection Committee			
4.	Assistant Professor on Guest Basis by New Selection Committee	Miranda House, University of Delhi	January 2020-June 2020	Guest
5.	Assistant Professor on Guest Basis by New Selection Committee	Miranda House, University of Delhi	September 2019-December 2019	Guest
6.	Guest Faculty	Hansraj College, University of Delhi	February 2019-April 2019	Guest
7.	Teaching cum Research Fellow (IGDTUW JRF+SRF)	Indira Gandhi Delhi Technical University for Women, Delhi	October 2016-January 2019	Stipend-based
8.	Guest Faculty	Indira Gandhi Delhi Technical University for Women, Delhi	August 2015-September 2016	Guest

### Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
N/A	N/A	N/A	N/A	N/A

### Areas of Interest in Teaching:

Mechanics, Mathematical Physics, Electromagnetic Theory, Digital Systems and Applications, Classical Dynamics

### Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1.	B.Sc. (H) Physics	Mathematical Physics-I	I	2022
2.	B.Sc. (H) Physics	Classical Dynamics	VI	2022
3.	B.Sc. (H) Physics	Mechanics (Th+Lab)	I	2021, 2020
4.	B.Sc. (H) Physics	Linear Algebra & Tensor Analysis	V	2021
5.	B.Sc. (H) Physics	Electromagnetic Theory	VI	2020, 2021
6.	B.Sc. (H) Physics	Digital Systems & Applications (Th+Lab)	III	2019
7.	B.Sc. (H) Physics	SEC- Electrical Circuit & Network Skills	IV	2019
8.	B.Sc. (H) Maths	GE- Mechanics (Th+Lab)	II	2019
9.	B.Sc. Physical Sciences	SEC- Computational Physics Skills (Th+ Fortran Lab)	VI	2019
10.	B.Tech. Mechanical & Automation Engineering	Applied Physics-I/II (Th+Lab)	I/II	2015, 2016, 2017, 2018

**Research Publications  
(2018-2021)**

**International**

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1.	Sitakshi Gupta, Chhaya Ravikant, Amarjeet Kaur, One-pot wet chemical synthesis of reduced graphene oxide-zinc oxide nanocomposites for fast and selective ammonia sensing at room temperature, Sensors and Actuators A: Physical, Volume 333 (2021) 112965. <a href="https://doi.org/https://doi.org/10.1016/j.sna.2021.112965">https://doi.org/https://doi.org/10.1016/j.sna.2021.112965</a>	July 2021	3.4	Yes	SCI & Scopus	0924-4247
2.	Sitakshi Gupta, Chhaya Ravikant, Reduced Graphene Oxide-Zinc Oxide Nanocomposites for Gas Sensing Applications (Review), Advanced Materials Proceedings, Volume 3 (2018) 193-198. DOI: 10.5185/amp.2018/025.	April 2018	N/A	No	N/A	2002-4428
3.	Sitakshi Gupta, Chhaya Ravikant, Nanocomposites of Reduced Graphene Oxide-Tin Oxide for Air-Pollution Monitoring by Toxic Gas Detection: A Review, Annals of Multidisciplinary Research; Volume 8 (2018) 30-35.	January 2018	N/A	No	N/A	2249-8893

**National**

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
Nil	Nil					

**Research Guidance: Nil**

Name of student	Gender	Degree for which guidance given	Date of Registration	Supervisor/ Co-supervisor	University	Title of Thesis	Date of submission of thesis	Date of Award of Degree
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### Research Projects ongoing (Nil)

S.No	Name of Research Project	Funding Agency	National/International	Duration (Start date and end date)	Amount Sanctioned	Amount Received
N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### Research projects Completed (Nil)

S.No	Name of Research Project	Funding Agency	National/International	Duration (Start date to end date)	Amount Sanctioned	Amount Received
N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### Publications: Books

S.No	Book Details (Authors, Book title, Year)	Publisher	Date of publishing (DDMMYY)	Authored/Edited	ISBN No
Nil	Nil				

#### Book Chapters/Articles

S.No	Details (Authors, Book title, Article title, Year, page range of article)	Publisher	Date of Publication (DDMMYY)	Authored/Edited	ISBN No
Nil	Nil				

**E- Modules**

S.No	Details (Authors, Title, Year, URL)	Publisher	Date of Publication (DDMMYY)	Authored/Edited	Link
Nil	Nil				

**Conference Proceedings publication**

S.No	Details (Authors, Book title, Article title, Year, page range of article)	Date of Publication (DDMMYY)	Name of conference	Venue of conference	ISBN No
Nil	Nil				

**Conference Attended and Paper presentation**

S. No	Type of Event	Name of Event	Venue of conference	Date of conference(Start date – End Date)	Attended	paper presented	No. of Papers presented
1.	E- International Conference	2 <sup>nd</sup> International Conference on Advances in Smart Materials & Emerging Technologies  (ASMET-2021)	Department of Applied Sciences & Humanities, Indira Gandhi Delhi Technical University for Women in association with OPTICA (formerly OSA)  Platform: Cisco Webex	20 <sup>th</sup> -21 <sup>st</sup> December 2021	Yes	Yes	01

2.	National Conference	National Conference on Chemistry of Chalcogenides	Organized by: Department of Applied Chemistry, Defence Institute of Advanced Technology, Pune	24th-25th March 2021	Yes	Yes	01
3.	International Conference	International Conference on Advances in Smart Materials & Emerging Technologies (ASMET-2020)	Organized by: Department of Applied Sciences & Humanities, Indira Gandhi Delhi Technical University for Women	23 <sup>rd</sup> -24 <sup>th</sup> January 2020	Yes	Yes	01
4.	International Conference	International Conference on Recent Trends in Materials & Devices (ICRTMD-2019)	Organized by: Amity Institute of Applied Sciences & Amity Institute for Advanced Research and Studies (Materials & Devices)	18 <sup>th</sup> -19 <sup>th</sup> December 2019	Yes	Yes	01
5.	International Conference	6 <sup>th</sup> International Conference on Ecotoxicology and Environmental Sciences	Organised by Institute of Ecotoxicology and Environmental Sciences, Kolkata and Netaji Subhas Institute of Technology, Delhi	19 <sup>th</sup> -21 <sup>st</sup> February 2018	Yes	Yes (SILVER MEDAL AWARD for Outstanding Oral Presentation)	01

6.	National Conference	National Conference on Climate Change and Disaster Risk Reduction in Urban System	Organised by Aditi Mahavidyalaya, University of Delhi.	26th March 2018	Yes	Yes	01
7.	International Conference	International Conference on Nanomaterials and Nanotechnology	Vinoba Bhave Research Institute, Allahabad	1 <sup>st</sup> -3 <sup>rd</sup> March 2017	Yes	Yes	01
8.	National Conference	2 <sup>nd</sup> National Conference on Environmental Concerns of 21 <sup>st</sup> Century: Indian and Global Context	Zakir Husain Delhi College (Eve.)	29 <sup>th</sup> -30 <sup>th</sup> March 2017	Yes	Yes	01

**Faculty Development Program/ Refresher Course/ Orientation Course/Workshop**

S.No	FDP/Refresher Course/ orientation course	Title	Organizers	Venue	How many days (Start date-end Date)
1.	Faculty Development Programme (FDP)	Learning Advanced E-tools for MOOCs Development & Research	Motilal Nehru College (E), University of Delhi in	Online Platform Zoom	Two Week September 1 - September 14,

		(Obtained grade A+)	collaboration with Teaching Learning Centre, Ramanujan College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Human Resource Development		2020
2.	One-day workshop	Characterization Techniques & Data Analysis Tools in Materials Science	Department of Applied Sciences & Humanities under the aegis of IGDTUW Anveshan Foundation and OSA IGDTUW Student Chapter	Online	(One-Day) 2 <sup>nd</sup> Sept 2020
3.	E-Faculty Development Programme	Skill Development in Academic and Research	Department of Commerce , Telangana Social Welfare Residential Degree College for Women, Warangal West	Online	Three-day, 14 <sup>th</sup> , 17 <sup>th</sup> -18 <sup>th</sup> August, 2020
4.	E-Faculty Training Program (E-FTP)	Pedagogical Training for Effective Online Teaching & Learning	Deen Dayal Upadhyay College, University of Delhi and K.T.H.M College, Nasik	Online	(One week) 3 <sup>rd</sup> -10 <sup>th</sup> August 2020



			under IQAC and DBT Star Program		
5.	Two-Day Workshop	Grant Writing Process for Innovative & Entrepreneurial Ideas	Organized by Chitkara University, Punjab & Indira Gandhi Delhi Technical University for Women, Delhi	Online	30 <sup>th</sup> -31 <sup>st</sup> July 2020 (Two-day)
6.	Faculty Empowerment Workshop	Application Of ICT Tools In Higher Education	Motilal Nehru College (Day) & Motilal Nehru College (Evening), University of Delhi, New Delhi	Online on Zoom platform	11th -12th June 2020 (Two-day)
7.	One-day Workshop	Intellectual Property Rights (IPR)	IGDTUW Anveshan Foundation in association with Consortium of Women Entrepreneurs of India (CWEI)	Indira Gandhi Delhi Technical University for Women (IGDTUW), Kashmere Gate, Delhi	9 <sup>th</sup> March 2017 (one-day)
8.	AICTE recognized Short Term Course	Communication Skills through ICT	Curriculum Development Centre, National Institute of Technical Teachers Training and Research (Chandigarh), MHRD	IGDTUW	5 <sup>th</sup> -9 <sup>th</sup> December 2016 (5-day)

9.	AICTE recognized Short Term Course	Optimization using MATLAB	National Institute of Technical Teachers Training and Research (Chandigarh), MHRD	IGDTUW	24 <sup>th</sup> -28 <sup>th</sup> December 2016 (5-day)
10.	One-day workshop	Research Methodology and Tools	Research Wing, IGDTUW	IGDTUW	(1-day) 6 <sup>th</sup> November 2015

**Resource Person/Organizing Team (Conference/seminar/ workshop/training programme/educational trips)**

S. No	Type of Event	Name of Event	Venue	Date of Event (Start Date-End Date)	State your role: Convener/Member organizing committee/Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1.	Two-day Workshop	Enhancing Programming Skills With Python and XCOS	Department of Physics, Daulat Ram College, University of Delhi	13th-14th January 2022	Member of Organizing Committee	Two days	125-130 approx
2.	Online Lecture Series	Understanding Physics: Basics & Beyond	Department of Physics, Daulat Ram College, University of Delhi	12 <sup>th</sup> Jan 2022 onward	Member of Organizing Committee	Weekly (for one month)	120-125 approx.
3.	International Conference	2 <sup>nd</sup> International Conference on Advances in Smart Materials & Emerging Technologies	Department of Applied Sciences & Humanities, Indira Gandhi Delhi Technical University for Women	20 <sup>th</sup> -21 <sup>st</sup> December 2021	1) Session Coordinator 2) Member of Local Organising Committee 3) Member of	Two-day	90-95 approx.

		(ASMET-2021)	in association with OPTICA (formerly OSA)  Platform: Cisco Webex		Abstract Booklet Design Team		
4.	Experimental Workshop for UG Science Students	‘Flavor of Research’- Investigative Projects in Multidisciplinary Context	DSK Centre for Research & Innovation in Science Education, Miranda House, University of Delhi	30 <sup>th</sup> June- 9 <sup>th</sup> August, 2020	Joint Project Mentor  (Project title: Particle Size Analysis for MoS <sub>2</sub> and ZnO-GO nanomaterials)	1 month 10 days	Approx. 50-60
5.	International Conference	International Conference on Advances in Smart Materials & Emerging Technologies  (ASMET-2021)	Department of Applied Sciences & Humanities, Indira Gandhi Delhi Technical University for Women in association with IGDTUW OSA Student Chapter	23 <sup>rd</sup> -24 <sup>th</sup> January 2020	Member of Student Organizing Committee	Two-day	120 approx.
6.	Training Programme	Undergraduate Physics Revision Classes: Summer 2019	Department of Physics & Astrophysics, University of Delhi	June 17-29, 2019	Resource Person  (conducted 2 sessions on Waves & Optics)	12 days	35-40

### Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award (DDMMYY)	Type of Honor received
1.	Jamia Merit Scholarship for 1 <sup>st</sup> Position Holders	Jamia Millia Islamia	Government	For being the Topper of the Course (M.Sc. Physics) in the First year(1 <sup>st</sup> + 2 <sup>nd</sup> semester) in M.Sc. Physics	Academic session (2013-14)	Scholarship

### Extension Activity ( Community related program ): NIL

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/student s /Faculty benefitted
NIL	NIL					

### Membership of Professional Bodies

S.No	Type of Membership	Organisation	Year of Membership(Start Date )
1.	5-year Member	International Association of Advanced Materials	1 <sup>st</sup> March 2017

**Lectures Attended:**

1. Webinar Series on Nanoscience and Nanotechnology organized by School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, India during September 11-13, 2020.
2. Lecture on “Principle and Applications of Microscopic Techniques in Materials Science” as part of the DBT STAR Lecture Series on Characterization Techniques in Materials Science, organized by the Department of Physics, Bishop Moore College, Mavelikara during 29-30 July 2020.
3. Two-days Webinar on ‘Recent Advances in Nanoscience and its Applications’ held between July 27-28 2020 by Special Centre for Nanoscience, JNU.
4. National Webinar on Sensor Materials and Applications organized by the Department of Physics, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai – 600 048, Tamil Nadu, India held on 26th July 2020.
5. Webinar on “Understanding Plagiarism and its Consequences Using URKUND as a Plagiarism Tool” organized by Delhi Library Association (DLA) in collaboration with eGalactic, Pune (Maharashtra) on 24th July 2020.
6. National Webinar on “Density Functional Theory- In the absence of Spectrometers” organized by the Department of Physics, K.L.E. Society’s S. K. Arts College and H. S. Kotambri Science Institute, Vidyanagar, Hubballi on 22nd July 2020.
7. E-International Symposium on Synthesis and Characterization of Smart Materials and Their Potential Applications, during 14th-17th June, 2020 using CISCO Webex platform.
8. International Conference on People, Environment, Science & Pandemic: jointly organized by Research Cell, Community Engagement; Outreach Cell and Department of Environmental Science of Bhagini Nivedita College, University of Delhi from June 5-7,2020.
9. International Webinar on “Advancements in Condensed Matter Physics, 2020 (ACMP 2020 )” organized by the Department of Physics, Albert Einstein School of Physical Sciences, Assam University, Silchar, India.

