



DEPARTMENT OF Physics
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Titl e	Ms.	First Name	Sanju	Last Name	Meena	Photograph
Designation		Assistant Professor				
Address		Second floor 138-B Block C8, Keshav-Puram, Delhi, 110035				
Phone No Office						
Residence Mobile		9560902297				
Email		Sanjumeena.physics@dsc.du.ac.in Sanjujarwal32r@gmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		University of Delhi			Pursuing	
M.Sc. Physics		Indian Institute of Technology-Delhi			2017	
B.Ed.		University of Rajasthan			2015	
B.Sc.		Maharani's college, University of Rajasthan, Jaipur			2014	
Career Profile						
<ul style="list-style-type: none"> ➤ Assistant Professor at Dyal Singh College New Delhi (July 2023 to till date) ➤ Assistant Professor at Ramjas College, University of Delhi August 2018 – Jan 2023. ➤ ACADEMIC ACHIEVEMENTS ❖ Inspire award Department of Science & Technology, (Govt. of India) ❖ Balika Protsahan Puraskar in 12th class (Govt. of Rajasthan) ❖ Gargi Puraskar in 10th class. (Govt. of Rajasthan) ❖ UGC-JRF physical science, June 2017. ➤ Fellowship/ Grant ❖ Fellowship Rs. 80000/year under the Department of Science & Technology for higher education. 						
Administrative Assignments (From 1st July 2019 onwards)						
<ul style="list-style-type: none"> ❖ Worked as Member in Admission Committee of Dyal Singh College, University of Delhi, in the Academic Sessions 2023-2024. ❖ Worked as Member in Alumni Committee of Physics Department, Dyal Singh College, University of Delhi, in the Academic Sessions 2023-2024. ❖ Worked as Member in Parent Teacher Committee Member of Physics Department, Dyal Singh College, University of Delhi, in the Academic Sessions 2023-2024 ❖ College Gender Sensitizing Committee team member, Ramjas College, DU enclave, 2022-23. 						

<ul style="list-style-type: none"> ❖ Department Admission team member, Ramjas College, DU enclave, 2019-2022. ❖ Department NAAC team member, Ramjas College, DU enclave, 2021-23. ❖ Department workload committee team member, Ramjas College, DU enclave, 2021-22. ❖ Worked as a paper coordinator and examiner in practical exam of undergraduate examinations, DU.
Areas of Interest / Specialization
Density Functional Theory/2D-Monolayer-based devices
Subjects Taught
<ul style="list-style-type: none"> ❖ Light and Matter ❖ Wave and Oscillation ❖ Wave and optics ❖ Applied Physics ❖ Quantum Physics ❖ Mathematical Physics-III ❖ Advanced Mathematical Physics-I ❖ Digital Empowerment ❖ Network Analysis ❖ Mechanics ❖ Computational Physics: Programming with Python, Mathematical Physics-III Lab, Analytical with Python
Research Guidance
N.A.
Publications Profile
<ul style="list-style-type: none"> ❖ S. Meena, N. Sharma, and J. Jogi, sub-5 nm 2D Semiconductor based Monolayer Field Effect Transistor: Status and Prospects, <i>Physica Status Solidi A: Applications and Materials Science</i>, DOI: 10.1002/pssa.202200526, <i>Wiley publication</i>. ❖ S. Meena and J. Jogi, Monolayer Transition Metal Oxides (MTMOs): CoO, FeO and NiO-A First Principles Study, <i>Advanced Functional Materials and Devices</i>, Springer Nature, ISSN No. 2021 978-981-16-5971-3.
Conference Organization/ Presentations (From 1 st July 2019 onwards)
<ul style="list-style-type: none"> ❖ Worked as a Member of the Organizing Committee and Participated in Three Day “<i>Nation Conference SSNTDs-21</i>” (online) Organized by Department of Physics, Ramjas College, University of Delhi. (January 29-31, 2021). <p style="color: red; text-align: center;">PARTICIPATION AS PAPER/POSTER PRESENTER</p> <ul style="list-style-type: none"> ❖ Presented research work as Oral Presentation in International Conference on “Advanced Functional Materials and Devices” (AFMD-2021) organization by Department of Physics & IQAC, ARSD College, University of Delhi during 03-05 March 2021.

- ❖ Presented research work Present in International Conference on Renewable Energy and Sustainable Technology (ICREST 2024) organization by Department of Applied Science Jamia Millia Islamia University, Delhi during 04-06 June 2024.

CONFERENCE & WORKSHOPS PARTICIPATION

- ❖ Participated in workshop “Advanced Simulation Methods: DFT, MD and Beyond” IIT, Delhi, March 2019.
- ❖ Participated in the short-term course Python 3.4.3 training organized at Kirori Mal College in July 2020 semester, the Spoken Tutorial Project, IIT Bombay.
- ❖ Participant in 2nd national conference on “New trends in nanotechnology and applications” (NTNA-2020) Organized by Department of Physics, ARSD College, University of Delhi. (06-07 February 2020).
- ❖ Virtual Symposium on Recent Technological Advancements in Wide/Ultra-Wide Bandgap Semiconductor Materials, Devices and Applications: A Step Towards Atma Nirbhar Bharat held on to 10th April 2021 at BITS Pilani.
- ❖ “JNU - CDAC HPC Workshop”, Workshop on "Basics of High-Performance Computing" organized jointly by JNU and C-DAC under the aegis of National Supercomputing Mission. 19 April 2021 to 30 April 2021.
- ❖ Short term course “Emerging Nanoscale Devices, Circuits and Its Applications” Organized by Department of Electronics and Communication Engineering, Delhi Technological University Delhi-110042.
- ❖ Two days online lecture series “Fundamentals and Application of Technology Driven Sensors” organized by IEEE-electronic devices society Delhi chapter, India. 24-09-2021 to 25-09-2021.
- ❖ Training program on new measurement technologies & simulation techniques in Electronic IEEE Electron device society- Delhi chapter, Department of Electronic University of Delhi October 17- 2022.

Research Projects (Major Grants/Research Collaboration) (From 1st July 2019 onwards)

N.A.

Awards and Distinctions (From 1st July 2019 onwards)

N.A.

Association With Professional Bodies

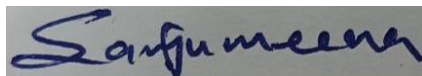
N. A.

Other Activities like MOOCs/ Patents etc. (From 1st July 2019 onwards)

FACULTY DEVELOPMENT PROGRAMME (FDP)

- ❖ Programming in Python, Kirori Mal College, University of Delhi in collaboration with Mizoram University under PMMMNTT, Ministry of Education. (2023)
- ❖ Python programming for electronics organized by Department of Electronic Science, University of Delhi south campus, New Delhi. (2023)

- ❖ One Week (Online) Faculty Development Programme on “Principles of Radiation Detection and Measurement and Experimental Techniques” being organised by IQAC, Ramjas College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College during 3rd –9th April 2023.
- ❖ Participated in the QIP short term program "*Role of numerical techniques in chemical engineering with MATLAB*" organized by Department of Chemical Engg. and Department of Mathematics IIT, Roorkee, 11th to 15th January 2021.
- ❖ Four-Week Online Faculty Induction/Orientation Program on Faculties of Higher education 21st August 2023 to 19th September 2023 Teaching and Learning Centre, Ramanujan College, University of Delhi, India
- ❖ Refresher Course on Advanced Research Methodology (21 November – 25 December 2023) Teaching and Learning Centre, Ramanujan College, University of Delhi, India
- ❖ One-Week Online “Faculty Development Program” on “Developing MOOCs” Faculties of Higher education 25 Dec 2023 to 31Dec 2023, Teaching and Learning Centre, Ramanujan College, University of Delhi, India
- ❖ One-Week Online “Faculty Development Program” on “Advanced Python Programming for All” Teaching and Learning Centre, Ramanujan College, University of Delhi, Under the Ministry of Education, Pandit Madan Mohan Malviya's national mission of teacher training and ARSD College University of Delhi (9 oct 2023 to 15 oct 2023)



Signature of Faculty Member