CURRICULUM VITAE

Title (Ms. /Mr./Dr./Prof.)	Dr.	First Name	Pooja	Last Name	Devi	Photograph			
Designation	Assis	tant Profe	ssor						
Department	Physi	cs							
Address (Official)		ersity of	Physics, K Delhi), Ea						
Phone No.	88600	043047		N S					
Email	pooja	poojadevi@kalindi.du.ac.in							
Education	1								
Subject	Subject				Year	Details			
B.Sc. (Physics)			Govt. College for Women Rohtak Haryana		2011	Physics Hons.			
M.Sc. (Physics)			amjas Coll niversity o	-	2015	With Electronics Specialization			
NET			SIR		2014	Physical Education			
Ph.D.			University of Delhi		2025	Material Sciences			
Career Profile									
Organisation/Inst	Organisation/Institution				Duration	Role			
Department of Physics, Shyam Lal College, University of Delhi			Designation Assistant Professor (Ad-hoc)		8 Years (since 25/08/2015 to 15/08/2023)	Teaching undergraduate students			
Department of Physics, Kalindi College, University of Delhi			Assistant Professor (Permanent)		From 24/02/2024 to till date	Teaching and research with undergraduate students			

Research Interests/Specialization

Electronics, Nanotechnology, Material Sciences: Energy Storage Devices, Supercapacitors, Thin Film Technology,

AREAS OF RESEARCH

- · Study of multiferroic properties of various multilayered and single-layered thin films.
- · Energy Harvesting by Ferroelectric Photovolataic effect in multilayered thin films.
- . Energy storage using perovskite materials.

. Resistive switching in 1	ferroelectric & n	netal-oxide thi	in films for men	nory devices app	olications.
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- \cdot Synthesis of perovskite materials by low-cost, low-temperature hydrothermal synthesis and to study its multiferroic properties.
- · Exploitation of metal-oxides and perovskites thin films for gas sensing applications.
- · Development of UV-Photodetectors using synthesized perovskite thin films.

RESEARCH EXPERTISE

- · Specialization in thin film deposition using Physical Vapor Deposition techniques like Magnetron Sputtering, RF Diode Sputtering, DC Sputtering, Thermal Evaporation, Pulsed Laser Deposition, Thermal Evaporation and Chemical Solution Deposition for various application.
- · Handling and analysis of characterization techniques like X-Ray Diffraction, Micro Raman Spectroscopy, UV-Visible Spectrophotometer, Fourier Infra-red Spectroscopy, Scanning Electron Microscopy, Atomic force Microscopy, Cyclic Voltammetry, Semiconductor Characterization Unit (Keithely 4200), Radiant ferroelectric loop tracer, Vibrating Sample Magnetometer (VSM) and LCR meter-Dielectric Measurements.

Administrative Assignments / Contribution to corporate life						