




ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

(Please Fill the form and Email it to website@zh.du.ac.in)

Title	Dr.	First Name	Neelam	Last Name	Pahwa	Photograph
Designation		Associate Professor				
Address		9/1038, HIG Duplex, Vasundhara, Ghaziabad				
Phone Number		Office		011-23232218		
		Residence				
		Mobile		9717211398		
Email Id		neelam.zhc@zh.du.ac.in				
Web Page						
Educational Qualification:						
Degree		Institution		Year		
Ph. D		University of Mumbai		2015		
M.Phil. (Electronics)		University of Delhi		1992		
M.Sc. (Electronics)		University of Delhi		1991		
B.Sc. Gen. with Electronics		University of Delhi		1989		
Career Profile						
Name of Institution		Position held*		Form	To	
Dyal Singh College		Lecturer (Ad hoc)		15/01/1993	23/12/1995	
S.G.T.B. Khalsa College		Lecturer (Ad hoc)		01/02/1996	30/04/1996	
Zakir Husain Delhi College		Lecturer (Ad hoc)		20/01/1997	05/12/2001	
Zakir Husain Delhi College		Lecturer (Permanent) & Senior Lecturer		06/12/2001	05/12/2006	
Zakir Husain Delhi College		Promoted as Reader w.e.f. 06-12-2006 and re-designated as Associate Professor from 06-12-2009				

Administrative Assignments

1. Convener, Staff Requirement Committee, Zakir Husain Delhi College, June -2024.
2. Member, Academic Supervisory Committee, Zakir Husain Delhi College, June 2024.
3. Member, Arts and Culture Society, Zakir Husain Delhi College, June 2024.
4. Staff Council Secretary, Zakir Husain Delhi College (May 2022 – May 2024)
5. Deputy Superintendent, Theory Examination, Zakir Husain Delhi College
6. Member Screening Committee, Zakir Husain Delhi College, AY 2023-2024
7. Member, Fee review committee, Zakir Husain Delhi College, AY 2023-2024
8. Member, AKAM Committee, Zakir Husain Delhi College, AY 2023-2024
9. Member, Garden Committee, Zakir Husain Delhi College, AY 2020-2021, AY 2023-2024
10. Member, Maintenance Committee, Zakir Husain Delhi College, AY 2022-2023
11. Member, Annual Day Committee, Zakir Husain Delhi College, AY 2023-2024
12. Member, Book Exhibition, Zakir Husain Delhi College, AY 2021-2022, AY 2020-2021
13. Member, Zakir Husain Memorial Lecture, AY 2018-2020, AY 2021-2022
14. Member, NAAC Sub Committee, Zakir Husain Delhi College, AY 2018-2021
15. Member, Website Monitoring Committee, Zakir Husain Delhi College, AY 2020-2021
16. Member, College Welfare Committee, Zakir Husain Delhi College, AY 2019-2021
17. Convenor, Convocation Committee, Zakir Husain Delhi College, AY 2018-2021
18. Member, Media Committee, Zakir Husain Delhi College, AY 2018-2020

Areas of Interest / Specialization:

Photovoltaic materials, thin films.

Subjects Taught

- Analog Electronics II (Operational Amplifiers & its applications), Theory & Practical
- Numerical Analysis, Theory & Practical
- Semiconductor Fabrication and Characterization, Practical
- Electromagnetics, Practical
- Electronic Communication, Theory & Practical
- Semiconductor Devices, Practical

Publications Profile

1. Chapter in the book titled “Thin Films and its Applications, Chapter 13: Thin film Thickness measurement Techniques and calibration, Joint author, Mahi Publishing (Ahmedabad/India, July-2023), 97-R1-1949202-2.
2. Chapter in book titled “Advanced Materials Characterization Techniques and its Application, Study of Conducting polymer PEDOT: PSS and its Optical & Electrical Properties, Corresponding Author, Bhumi Publication, Kolhapur, India, May-2023, 978-93-88901-59.
3. Morphological, Optical and Voronoi Polygon Analysis of Breath Figures Prepared on Polymeric Surface, R. Deokar et al., Indian Journal of Science and Technology (IJST), Vol. 17, 1180-1188, 2024.
4. Size dependency of ZrO₂ nanoparticles synthesized by Sol-Gel method on pH and annealing temperature, Shubhra Gupta et el, Journal of Electronic Material, 2024.
5. Micro-Raman and UV-Vis Studies or 100 MeV Ni 4+ Irradiated Cadmium Telluride Thin Films, Neelam Pahwa, A. D. Yadav, S. K. Dubey, A. P. Patel, J. Nano- Electron. Phys. 3, No 1, 414 (2011), Presented at International Symposium on Semiconductor Materials and Devices (ISSMD-2011), Vadodara, India, 28-30 Jan 2011.
6. Structure and Surface Analysis of SHI Irradiated Thin Films of Cadmium Telluride; Neelam Pahwa, A. D. Yadav, S. K. Dubey, A. P. Patel, Arvind Singh. D. C. Kothari, Journal of Nano Electron Phys. (2012), Vol. 4. No. 3. Presented at International Conference on Swift Heavy Ion in Material Engineering and Characterization, SHIMEC 2010; New Delhi, India, Oct. 4-6, 2010.

Conference Organization/ Presentations (in the last five years)

1. Presented a paper titled “Structural, Optical and Surface studies of Cadmium Telluride thin films of nanometer thickness range” at 28th International Conference on Nuclear Tracks and Radiation Measurements (ICNTRM) held at Gurugram University, November -2023.
2. Presented a paper titled “Molecular Dynamics Simulations and Quantum Calculations” at the RUSA Sponsored One Day Interdisciplinary International Conference on “Basic Sciences for Sustainable Development”, November, 2022.

Association With Professional Bodies:**Semiconductor Society (India)****Other Activities**

1. UGC Sponsored Refresher course conducted by HRD Centre, Punjab University, Chandigarh from 25/05/2016 to 15/06/2016.
2. UGC Sponsored Special Summer School conducted by HRD Centre, Jamia Milla Islamia, New Delhi from 05/05/2015 to 26/5/2015
3. UGC sponsored orientation course conducted by CPDHE form 14/02/2003 to 13/03/2003
4. UGC sponsored Refresher course conducted by CPDHE from 03/02/2002 to 25/10/2002.

Signature of Faculty Member