


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		From	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	
<ol style="list-style-type: none"> 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	
<ul style="list-style-type: none"> • 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. 2024, Rajashree Deokar, Arun G Banpurkar, Arvind R Singh, Jignesh Mehta, Aravind Gajengi, Sheenam Thatai, **Neelam Pahwa**, Sandipan Nalawade, “Morphological, Optical and Voronoi Polygon Analysis of Breath Figures Prepared on Polymeric Surface”, Indian Journal of Science and Technology (IJST), Vol. 17, 1180-1188.
2. 2024, Gayatri & Gupta, Shubhra & **Pahwa, Neelam** & Shishodia, P., “ZrO₂ Nanoparticles Synthesized by the Sol–Gel Method: Dependence of Size on pH and Annealing Temperature”, Journal of Electronic Material.
3. 2011, **Neelam Pahwa**, A. D. Yadav, S. K. Dubey, A. P. Patel, “Micro-Raman and UV-Vis Studies on 100 MeV Ni 4+ Irradiated Cadmium Telluride Thin Films”, 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.
4. 2010, 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.

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.

BOOKS/ CHAPTERS

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.

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