



**DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019**

Faculty Details

Title	Dr.	First Name	PANKAJ	Last Name	SINGH	Photograph
Designation	Assistant Professor					
Address	Department of Physics Deshbandhu College (University of Delhi) Kalkaji, New Delhi-110019. INDIA					
Phone No Office	011-26235542					
Residence	9810966114					
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Email	psingh@db.du.ac.in, pankajnpl.db@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				2004	
PG	CCS University				1998	
UG	CCS University				1996	
Career Profile						
<ul style="list-style-type: none"> • 15 years Teaching experience in University of Delhi Colleges at the position of Assistant Professor • NCC Officer, Naval Wing, 2-DNU, NCC with the rank of Sub Lt. since January 2013 promoted for Lieutenant Rank in 2019 						
Administrative Assignments						
<ul style="list-style-type: none"> • Member, Student Advisory Committee, Deshbandhu College, 2019-20. • Admission in-Charge Physics (H) 2019-20 • Admission In-Charge, Deshbandhu College, BSc (Physical Science): 2018-19. • Member, Financial Assistance Committee, Deshbandhu College: 2018-19. • Admission In-Charge, Deshbandhu College, BSc (Physical Science): 2017-18. • Teacher-In-Charge, Physics Department, Deshbandhu College, since January 2012 to January 2014. • Member, Proctorial Committee, Deshbandhu College: 2011-12. • Member, Purchase committee, , Deshbandhu College: 2012-13. • Convener, Proctorial Committee, Deshbandhu College : 2013-14, • Convener, Proctorial Committee, Deshbandhu College : 2014-15,. 						
Areas of Interest / Specialization						
Electronics						
Courses Taught:						

BSc., Physics(H)
BSc (Prog) Physical Science
Research Guidance:
<ol style="list-style-type: none"> 1. Supervision of Undergraduate Students under Innovation Projects: 20. 2. Supervision of PhD students: One Registered
Publications Profile
<p>Research papers published in Refereed/Peer Reviewed Journals</p> <ol style="list-style-type: none"> 1. Avinash N. Parde , Sachin D. Ghude , Prakash Pithani Narendra, G. Dhangar, Sandip Nivdange , Gopal Krishna , D.M. Lal , R. Jenamani , Pankaj Singh , Chinmay Jena, Ramakrishna Karumuri , P.D. Safai, Estimation of Surface Particulate Matter (PM_{2.5} and PM₁₀) Mass Concentrations from Ceilometer Backscattered Profiles, , D.M. Chate, <i>Aerosol and Air Quality Research, 2019</i>, DOI:10.4209/aaqr.2019.08.0371. 2. A Kumar, S Tripathi, A D Deshmukh, D Haranath, P Singh and A M Biradar, Time evolution photoluminescence studies of quantum dot doped ferroelectric liquid crystals, <i>J. Phys. D: Appl. Phys.</i> 46, 2013. 3. Partha Goswami, Ajay Pratap Singh Gahlot, Pankaj Singh, ON d + id DENSITY WAVE AND SUPERCONDUCTING ORDERINGS IN HOLE-DOPED CUPRATES, <i>International Journal of Modern Physics B.</i> 27, No. 13 , 2013. 4. S L Jain, Pavan S Kulkarni, B C Arya, Arun Kumar, Sachin D Ghude and Pankaj Singh, Altitudinal variation surface aerosol with change in site : A comparative study, <i>Indian Journal of Radio & Space Physics (IJRSP)</i> 36, 2007 5. S L Jain, B C Arya, Arun Kumar, Pankaj Singh and M K Tiwari, The measurement of particulate matter during fog, <i>Indian Aerosol Science and Technology Association (IASTA) Bulletin</i>, 14, 2002. 6. S L Jain, B C Arya, Arun Kumar, Pankaj Singh and M K Tiwari, Injection of very high concentration of RSPM in boundary layer during Festival, <i>Indian Aerosol Science and Technology Association (IASTA) Bulletin</i>, 14, 2002. 7. S S Aggrawal, M M Bajaj, S P Bajaj, J L Bhatt, P Singh, A Kumar, Mechanism of electrical burn injuries and electric shocks <i>Indian Journal of Burns</i> 9 2001.
Conference Organization/ Presentations :
<ol style="list-style-type: none"> 1. Organization of a Conference/Professional Course: <ul style="list-style-type: none"> • Convener, Short Term course "Ethics in Higher Education in Teaching and Research" UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, March 01 to March 07, 2017. • Convener, Refresher Course in Climate Change and Disaster Management, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, June 09-30, 2017. • Co-Coordinator, Summer School, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, Sept 05-25, 2017. • Resource Person, Refresher Course in Summer School, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, Sept 05-25, 2017. (Delivered 4

Lectures).

2. Participation as Paper/Poster Presenter:

- International Conference on Physics, Society and Technology-2019, January 17-19, 2019, Deshbandhu College (University of Delhi), New Delhi, **Oral Presentation.**
- Programme on "Technical Terminology and Science Teaching", organized by Commission for Scientific and Technical Terminology, Jakir Husain College, Delhi, February 22-23, 2017.
- National Conference on Trends in Nanobiotechnology (NCTN-2016), CCS Haryana Agricultural University, November 29-30, 2016. **Oral Presentation.**
- National conference on Combating Industrial Pollution for Sustainable Environment (CIPSE-2016), Gargi College, University of Delhi, September 22-23, 2016. **Poster Presentation.**
- Programme on "Recent Trends in Technical Terminology in Science ", organized by Commission for Scientific and Technical Terminology, Sri Aurobindo College, University of Delhi, February 16-17, 2017
- 3rd National Conference on Condensed Matter and Material Physics (CMMP-2012) S.P. University, Vallabh Vidyanagar, Gujrat.
- Indo-German workshop on Advanced Materials for Future Energy Requirements (WAMFER-2012), University of Delhi, Delhi.
- International Conference on Light-Cone Physics: Hadronic & Particle Physics (Delhi-LC 2012). University of Delhi, Delhi.

Research Projects (Major Grants/Research Collaboration)

Sponsoring Agency: **University of Delhi under Innovation Project 2015-16**

Role: Principal Investigator

Title: "Green approach to synthesize noble metal nanoparticles and their application in Surface Enhanced Raman Spectroscopy"(DBC-308).

University of Delhi sponsored Innovation Research Project 2013-14

Title: "Impact of climate change on various physical parameters of weather in highly polluted area versus relatively pollution free area" (DBC 206) .

Association With Professional Bodies

Life membership, Indian Aerobiological Society.

Life membership, The Indian college of Allergy, Asthma & Applied Immunology

Other Activities

- **Resource Person**, Refresher Course in E-Learning and Digital Learning, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, Sept 05-25, 2017. (Delivered 2 Lectures).
- **Resource Person**, Refresher Course in Mathematical Science, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, June 6-27, 2017. (Delivered 2 Lectures).
- **Resource Person**, Orientation Programme (OR-88), UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, May 31-June 28, 2017

- **Resource Person**, Refresher Course in Climate Change and Disaster Management, UGC-HRDC, Centre for Professional Development in Higher Education (University of Delhi), Delhi, June 09-30, 2017 (Delivered 2 lectures).
- Participated in 3 weeks Refresher course in Physics, organized by HRDC, CPDHE, University of Delhi, October13-November 3, 2016. (Grade A)
- Participated in Faculty Development Program on Recent advances in Renewable Energy Technologies and Smart Micro-grids, KNIT, Sultanpur (UP), September 13-17, 2016
- National workshop on Professional Development and Capacity Building of teaching Education, Department of Education, Central Institute of Education, University of Delhi, Delhi, from 7 October,2014 to 14 October,2014.
- Participated in the 2nd three-week Special Winter School Organized by the UGC-ASC(Academic Staff College) Jamia Millia Islamia, New Delhi from 24December,2013 to 14 January,2014 and obtained grade 'A'
- Orientation Programme (OR-69), CPDHE, ILL, University of Delhi, December 13, 2011- January 09, 2012.
- Workshop on Foundation course of Life and Science, June 21-22, 2012, CPDHE, Delhi
- C&C++ Programming Language Training Programme, Institute of Lifelong Learning, University of Delhi, June 8- June 2011.
- Successfully completed ANOs Refresher Course from 09 September to 29 September 2019 at OTA(Officer Training Academy) Kamptee, Nagpur.
- Appointed as **contingent commander** by Delhi Directorate in "All India Nau Sainik Camp", "National integration Camps" time to time.

Signature of Faculty Member