



## Faculty Details proforma for College Web-site



Title	Dr	First Name	Manisha	Last Name	Verma	Photograph
Designation	Associate Professor					
Address	Acharya Narendra Dev College Govind Puri Kalkaji New Delhi-110019					
Phone No Office	011-6412547, 011-6293224, 011-6294542					
Email/ Web-Page	Manishaverma@andc.du.ac.in					
Educational Qualifications						
Degree	Institution			Year		
BSc(H)Physics	Hansraj College, University of Delhi			1985-1988		
MSc Physics	Hansraj College, University of Delhi			1988-1990		
PhD	University of Delhi			1990-1998		
Career Profile						
<p>Dr. Manisha Verma has over 30 years of teaching experience in the college. She was awarded the Science meritorious award while pursuing post-graduation in Physics. She is also a proud recipient of ICONIC SCIENTIST AWARD, NISHTHA AWARD and WOMENS ACHIEVEMENT AWARD. She has undertaken various administrative as well as teaching assignments. She has also guided students under the ELITE scheme of the college. To make education more accessible, she has delivered live lectures streamed by CEC, UGC.</p>						
Administrative Assignments						
<ul style="list-style-type: none"> <li>▪ Secretary, Staff Council</li> <li>▪ Internal Assessment Committee</li> <li>▪ Proctorial Committee</li> <li>▪ Convener, Garden Committee</li> <li>▪ Convener, Canteen Committee</li> <li>▪ Convener, Debate Committee</li> <li>▪ Convenor, Result Analysis Committee</li> <li>▪ Departmental Selection Committee, 2010 - 2012</li> <li>▪ Member, Departmental Purchase Committee</li> <li>▪ Convener, Stock Taking Committee</li> <li>▪ Member, Departmental Admission Committee</li> <li>▪ Member, Library Committee</li> <li>▪ Member, Departmental Time Table Committee</li> <li>▪ Member, Fellowship Committee</li> <li>▪ Member, Faculty of Science, 2006 - 2008</li> <li>▪ Deputy Superintendent, Annual University Examination</li> </ul>						

<ul style="list-style-type: none"> <li>▪ <b>Governing Body Member for 2 terms, 2007 - 2008</b></li> <li>▪ <b>Superintendent, Annual Practical Examination</b></li> <li>▪ <b>Teacher in charge, department of Physics</b></li> <li>▪ <b>Teacher in Charge Physical Sciences</b></li> <li>▪ <b>Convener, Editorial Committee</b></li> <li>▪ <b>Member, Mentorship committee</b></li> </ul>
<b>Areas of Interest / Specialization</b>
Material Science
<b>Subjects Taught</b>
Statistical Mechanics, Thermal Physics, Mechanics, Atomic Physics
<b>Research Guidance</b>
Involved in guiding students in various research projects under the Elite Scheme.
<b>Publications Profile</b>
<ol style="list-style-type: none"> <li>1) M Verma and V S Tomar, Effects of Fe and Ni Substitution in <math>Y_1Ba_2Cu_4O_8</math> at Copper Sites, Solid State Communication, 94, 925-929(1995)</li> <li>2) M Verma and V S Tomar, Comparison of Co and Ni doping at copper sites in Y-124 high temperature superconductor, Physica C, 272, 335-341(1996)</li> <li>3) Manisha Verma, V Bhasker Raj and Sanjeeta Rani, Enhancement of Carrier Mobility and Bandgap in Plastically Deformed Bi Single Crystal, Journal of Low Temperature Physics, (2023)</li> <li>4) Manisha Verma, Drashya Gautam, Ravina Yadav, Vikrant Kumar, Sunita Hooda and Neelu Dheer, Role of Functionalized Chitin-EDTA As a Promising Adsorbent For Water Purification, Rasayan, 16(2), 660-666 (2023)</li> </ol>
<b>Conference / Presentations /Workshops</b>
<ol style="list-style-type: none"> <li>1. Attended <b>Fifteenth national symposium on Cryogenics</b> held between September 12-14 1996 and <b>presented two posters titled Comparison of Co and Ni doping at Copper sites in Y-124 High Temperature Superconductor and Microwave Surface Resistance of silver doped Bulk YBCO.</b></li> <li>2. Attended the <b>International e-conference on 'Mitigating environmental issues by sustainable approaches (ICMCESA-2022)'</b> organized by Acharya Narendra Dev College, University of Delhi from February 22-28, 2022 under the aegis of IQAC and DBT Star College Scheme and <b>delivered Oral presentation on the paper titled Classification of the vapors of fuels, simulants of nerve agents, and VOCs by optimizing Artificial Neural Network.</b></li> <li>3. Attended the <b>8th International Conference on Sensors and Electronic Instrumentation Advances</b> held between 21-23 September 2022 Corfu, Greece and <b>delivered an oral presentation titled SAW Multi Sensor Array for the Detection of Different Vapors by</b></li> </ol>

#### **Applying Artificial Neural Network.**

4. Attended the **3rd National Conference on Materials and Devices (3rd NCMD-2022)** held on 10 – 11 November-2022 at Teerthankar Mahaveer University and **presented a poster titled IMPEDANCE STUDIES IN NANOMATERIAL DOPED BIOPOLYMER.**
5. Attended the **Online International conference on Research Methodology (ICRM-2022)** organized jointly by Dr Shakuntala Misra National Rehabilitation University and Science Tech Institute Lucknow held between October 28-30 and **presented a paper titled Gaussian Modelling of Solar Flares.**
6. Attended the **Online International conference on International Conference on Nanotechnology: Opportunities and Challenges** organized by Jamia Millia University held between November 28-30, 2022 and **presented a poster titled Enhanced Thermal Stability of Bio-degradable Polymer and Graphene Oxide Blend with Inverse Spinel Iron Oxide Nanomaterial.**
7. Attended the one-day **National Conference on One Earth, One family, One future** organized by the Department of Commerce Acharya Narendra Dev College and Department college Interface in collaboration with Indian Commerce Association held on 3rd April-2023 at Acharya Narendra Dev College, University of Delhi.
8. Attended the Online **2nd International conference on Advance Interdisciplinary Research (ICAIR 2023)** organized jointly by Digvijay Nath Post Graduate College and Science Tech Institute Lucknow held between April 7-9 and **presented a paper titled A Study of Thermal stability of multi component Functionalized bio composite materials.**
9. Attended the Online **2nd International conference on Advance Interdisciplinary Research (ICAIR 2023)** organized jointly by Digvijay Nath Post Graduate College and Science Tech Institute Lucknow held between April 7-9 and **presented a paper titled Animated Monte Carlo Simulations of Pi on a Platonic Solid-The Icosahedron.**
10. Attended the Online **2nd International conference on Advance Interdisciplinary Research (ICAIR 2023)** organized jointly by Digvijay Nath Post Graduate College and Science Tech Institute Lucknow held between April 7-9 and **presented a paper titled Efficacy of Simulators in sustained Science Education: Black Body Radiation, a comparative Study.**

#### **Webinars/ seminars / Conferences Attended/Organized**

1. National Conference on **ONE EARTH, ONE FAMILY, ONE FUTURE** organized by Acharya Narendra Dev college on 3<sup>rd</sup> April 2023
2. Webinar on **Femto physics and its applications** on 28<sup>th</sup> January 2023
3. Webinar on **Solid Angles all around: An easy estimate** on 1<sup>st</sup> November 2022
4. Webinar on **Quantum Science in Visible Range** on 22<sup>nd</sup> October 2022
5. Webinar on **Science of Imaging: Thousand words on what a picture is worth** on 20<sup>th</sup> October 2022
6. Webinar on **Simple Experiment – Big Learning** as part of National Webinar series ‘Omnipresent Physics: An Experiential Approach’ under the aegis of The National Academy of Sciences, India (NASI) – Delhi Chapter, Science-Society Program organized by Department of Physics, Kalindi College on 19<sup>th</sup> October, 2022.
7. Organized Talk on **Introduction to Astronomical Observations** by Dr Parminder Singh in the Departmental festival Nebula organized under the aegis of the Departmental society Physentropy on 29<sup>th</sup> March 2022
8. **IP Awareness/Training Program National Intellectual Property Awareness Mission**, Govt. of India on 19<sup>th</sup> January 2022

9. Acted as Convenor in organizing a training program on **Intellectual property right awareness** on 19<sup>th</sup> January 2022
10. Webinar on **Revisiting Laws of Thermodynamics**, Indian association of Physics Teachers on 3<sup>rd</sup> July 2021
11. Webinar on **Scaling and Power Laws in the Natural sciences and beyond** on 3<sup>rd</sup> July 2021
12. Acted as a coordinator in organizing **ICMCESA** (International e-conference)
13. Attended one-week online Workshop on Statistical Data analysis using R organized by science Tech Institute Lucknow.

#### Research Projects (Major Grants/Research Collaboration)

Nil

#### Awards and Distinctions

- Women's Achievement award 2008
- Nishtha Service Award 2017
- Iconic Scientist Award 2023
- Junior research Fellowship 1991
- Science Meritorious award 1989

#### Association With Professional Bodies

Academic membership of Research Educational Talks International, Ratna Prasad Multidisciplinary Research & Educational Society.

#### Other Activities

1) setting of question papers by the Board of Examiners (paper setters) **for the following forthcoming Undergraduate Three Year CBCS Semester Examination- November/December 2022 for: Semester III / V and Essential Repeaters of Semester-I for regular students for the Academic Session 2021-22 (Admission of 2019, 2020 and 2021**

2) Reviewer for Macromolecule Journal

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC and PDF file to be attached as a link on your faculty page.