




## Faculty Details proforma for DU College Web-site



Title	<b>Dr.</b>	First Name	<b>Pragati</b>	Last Name	<b>Malik</b>	Photograph
Designation	Assistant Professor					
Address	Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi-110019					
Phone No Office	011-26294541					
Residence						
Mobile	9910517371					
Email/	pragatimalik13786@gmail.com pragatimalik@andc.du.ac.in					
Web-Page						
<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.D. Chemistry	Department of Chemistry, University of Delhi				2014	
M.Sc. Chemistry	Sri Venkateswara College, Department of Chemistry, University of Delhi				2009	
B.Sc.(H) Chemistry	Sri Venkateswara College, Department of Chemistry, University of Delhi				2007	
<b>Career Profile</b>						
Teaching Experience ~ 9 Years Working as an Assistant Professor in Acharya Narendra Dev College, University of Delhi since July 2014 till Present. Worked as an Assistant Professor in Hansraj College, University of Delhi (Jan 2014 - May 2014). Worked as an Assistant Professor (Guest) in Aurobindo College, University of Delhi (July 13 - Nov. 13), Maitreyi College, University of Delhi (Jan 13 - April 13) and Rajdhani College (September 2009- April 2010)						
<b>Administrative Assignments</b>						
(i) Member of the Cultural Committee (2014 - Present) (ii) Member of the Academic Event committee (2018 - Present) (iii) Member of the Sashakt "Women Empowerment" Committee (2016 - 2018) (iv) Member of the Proctorial Committee (2014 - 2016)						
<b>Areas of Interest / Specialization</b>						

**Research Area :** A DFT Study of II-VI Quantum Dots and Core-Shell Quantum Dots

Research Interest : Computational Chemistry

**Specialization :** Physical Chemistry

Subjects Taught

Physical Chemistry, Inorganic Chemistry, Organic Chemistry

Research Guidance

NA

Publications Profile

1. Effects of increasing number of rings on the ion sensing ability of CdSe quantum dots: a theoretical study, Journal Name: Journal of Nanoparticle Research, Year: 2018, Volume: 20, Page No. 114, Online ISSN No.: 1572-896X, Print ISSN No.: 1388-0764, Authors Name: Pragati Malik, Rita Kakkar
2. A DFT Study of Interaction of (CdSe)<sub>3</sub> Quantum Dots with Nucleobases, Journal Name: Advanced Materials Letters, Year: 2021, Accepted.
3. A Review on CdSe Quantum Dots in Ion Sensing, Journal Name: Advanced Materials Letters, Year: 2014, Volume: 5 (11), Page No.: 612-628, Authors Name: Pragati Malik, Jyoti Singh, Rita Kakkar, ISSN No.: 0976-3961.
4. Quantum Dots for Diagnosis of Cancers: Review Article, Journal Name: Advanced Materials Letters, Year: 2013, Volume: 4 (11), Page No.: 811-822, Authors Name: Pragati Malik, Sunita Gulia, Rita Kakkar, ISSN No.: 0976-3961.

Conference / Presentations /Workshops

**Successfully completed a 4-Week Induction/Orientation Programme** for "Faculty in Universities/Colleges/Institutes of Higher Education" from June 26 - July 24, 2020 and obtained grade A+ organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING.

**Successfully completed One Week Faculty Development Programme** on "Open Source Tools for Research" from June 08 - June 14, 2020 organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING.

Successfully completed **Faculty Development Programme** on "From Chemistry of life to Chemistry of diseases : Understanding Clinical Biochemistry" organized by Daulat Ram College, University of Delhi under DBT Star Scheme (June 2017)

### **Oral Presentation**

Entitled "**Effects of increasing number of rings on ion sensing ability of CdSe quantum dots: A DFT study**" in the National Seminar on "Emerging Economics and Challenges to Sustainability" at Sri Aurobindo College, University of Delhi (2016)

### **Conference / Presentations /Workshops**

1. Successfully completed a 50-Hour International Workshop on in "**Computational Chemistry**" organized by Department of Chemistry, Hindu College, University of Delhi, in collaboration with Department of Physics, Stockholm University, Sweden, Physics Group, BARC, Mumbai and Department of Chemistry, J.V. College, Baraut, U.P held from February – April 2021.
2. Attended a lecture on "**Rational Approaches in Drug Design and Development**" under International Lecture Series entitled "Multifaceted Chemistry : An ever-evolving domain of science" organized by Deshbandhu College, Kalkaji, University of Delhi held on 20/03/2021.
3. Worked as a Team Member in organizing an International Lecture on "**Role of Chemistry in Eradication of Pandemic Covid-19**" by Dr. Vikas Malhotra, held on 17/04/2021, organized by Chemistry Department of Acharya Narendra Dev College, University of Delhi.
4. Part of an Organizing Committee of One-Day Inter-Disciplinary exhibit presentation on "**New Frontiers in Science**" organized by Acharya Narendra Dev College, University of Delhi (October, 2019).
5. Successfully completed a workshop on "**Empowering Teachers : Current Technology Based Educational Contents Creation and Delivery (Using Open Source, Free Software)**" organized by Internal Quality Assurance Cell, ANDC from December 2-6 2019 in the

College.

6. Participated in the Faculty Development Programme "**Teachers as Mentors**" organized by Acharya Narendra Dev College, University of Delhi (October, 2018).
7. Worked as a Resource Person in the "**two-day workshop "Science Pedagogy : Laboratory Learning to Classroom Teaching"**" organized by Acharya Narendra Dev College, University of Delhi (January 20-21, 2016).
8. Participated in Workshop on **Electronic Structure, Atomistic and Statistical Modeling in Chemistry, Materials and Life Sciences** organized by University of Delhi in October' 14.
9. **International Workshop on Gaussian** held in Dec'12.
10. Workshop on "**Information Literacy and Competency**" organised by Delhi university library system, University of Delhi in the year 2010 & 2011.
11. National Workshop on "**Renewable Energy and Environment**" organized by Ramjas College, University of Delhi in the year 2011.
12. Workshop on "**Bioinformatics and Molecular Modeling In Drug Design**" organised by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi in the year 2011.
13. National Seminar on "**Alternative Energy Sources for Sustainable Environment**" organized by Lingaya's University, Faridabad in the year 2011.
14. National Workshop on "**Role of Analytical Techniques in Industry**" organised by Kirori Mal College, University of Delhi in the year 2010.

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

**Gold Medal** for 1<sup>st</sup> Rank in M.Sc. (Final) from Sri Venkateswara College in University of Delhi South Campus (2008-09).

**Silver Medal** for 1<sup>st</sup> Rank in M.Sc. (Previous) from Sri Venkateswara College in University of Delhi South Campus (2007-08).

Qualified **GATE** (March'09) with **Percentile 96.49 & All India rank 229**

Received **Science Meritorious Scholarships from Delhi University** for 2 consecutive years for performance in the academic sessions 2007-08 & 2008-09

Qualified **CSIR-JRF/NET** (Dec'08)

1<sup>st</sup> Rank in Rashtriya Academy for Computer Education.

Awarded Senior General Knowledge Test Certificate from United Schools Organisation of India.

Awarded certificates for 5 consecutive years for participation in Akhil Bhartiya Sanskriti Gyan Pariksha.

Participated in many skits and Nukkad Natak.

#### Association With Professional Bodies

Lifetime Membership of "Role of Analytical Techniques in Industry".

#### Other Activities

Awarded Certificate for Participation & Pledge in Cancer Aid Society.

Awarded Certificate for Effort in Cancer Aid Society.

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.