



**RAM LAL ANAND COLLEGE (University of Delhi)**  
**Faculty Details**



Title	Ms	First Name	PRATIMA	Last Name	NEGI	
Designation	ASSISTANT PROFESSOR					
Address	C 501, KANISHKA TOWER, SECTOR 34, FARIDABAD					
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	Residence					
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Web-Page						
Educational Qualifications						
Degree	Institution				Year	
MPhil	IIT Roorkee				2003-04	
MSc(Maths with Comp. Sc.)	Jamia Millia Islamia				2000	
PHD	Persuing					
Career Profile						
<ol style="list-style-type: none"><li>1. Working as Assistant Professor in Ram Lal Anand College , University of Delhi since 27 June, 2023</li><li>2. Worked as Assistant Professor in Zakir Husain Delhi College , University of Delhi : 31 Oct, 2011-31 March, 2023</li><li>3. Worked as Assistant Professor in Lingaya's University, Faridabad : 01/07/2010-8/11/2011</li><li>4. Worked as Lecturer in Lingaya's University, Faridabad : 13/07/2009-30/06/2010</li><li>5. Worked as Lecturer in Hindu College, Amritsar: 11/07/2008-28/02/2009</li><li>6. Worked as Lecturer in Khalsa College for Women, Ludhiana: 16/07/2007-9/10/2007, 14/07/2006-15/03/2007, 03/01/2006-11/03/2006</li><li>7. Worked as Lecturer in Kanya Maha Vidyalaya, Jalandhar : 19/07/2004-03/03/2005</li></ol>						
Administrative Assignments						
<ol style="list-style-type: none"><li>1 Member of Physical Science Society for smooth functioning of students' fresher , fest and farewell function in Zakir Husain Delhi College, <b>University Of Delhi- March, 2018- March, 2023</b></li><li>2. Executive Member of Staff Association, August 2022- March, 2023</li><li>3. Every year paid duties on Students Union Election , Students Convocation, Prize distribution function, College cultural fest.</li><li>4. Organize departmental trip for students of Maths (H) IIrd Year &amp; IIIrd Year</li></ol>						

## Areas of Interest / Specialization

Machine Learning, Optimization, Artificial Intelligence, NanoComposite materials

## Subjects Taught

### Maths Honours:

SEM-I: Differential Equations, SEM-II: Analysis-I, SEM III: Theory of Real Functions, Multivariate Calculus (Th & Practical), Ring Theory & Linear Algebra, SEM IV: Riemann Integration & Series of Function, SEM V: Probability & Statistics, SEM VI: Complex Analysis Practical

### BSC Programme:

SEM I: Calculus & Matrices, SEM II: Calculus & Geometry, SEM III: Algebra, SEM IV: Real Analysis, SEM VI: R software, Numerical Methods

## Publications Profile (Books/Chapters/Research articles, etc.) (Last 10 publications)

1. **Pratima Negi** and M. Fahim, *Simulation Studies on Effect of Temperature on Uniaxial Deformation of Single Atomic Layer Graphene (SALG) Sheet*, International Journal of Current Research, 12(1), pp.9285-9288, (2020)
2. **Pratima Negi** and M. Fahim, *NEMD Simulation to Study Viscosity of Graphene Filled Polystyrene Nanocomposites*, International Journal of Current Research, 12(1), pp.9289-9291, (2020)
3. Bajaj, N., **Negi, P.**, Rawat, S. *et al.* Sol-gel synthesis, dielectric, and morphological characterization of  $Pb_{1-x}Sr_xTiO_3$  ( $x = 0.8$ ) ferroelectric perovskite. *J Sol-Gel Sci Technol* 90, 589–598 (2019).

4. K.K. Dewan, M. Mustafa and **Pratima Mishra**, An Analytic Study of Transportation system and Air Pollution (A Case study of Delhi), Indian Journal of Transport Management, Vol.25(4), **2001**, INDIA.

### BOOK:

5. Dr Dinesh Khattar, Dr Rajkumar and **Pratima Negi**, *Calculus and Geometry*, for B. Sc. Physical Science undergraduates of Delhi University, M/s Jeevansons Publication, New Delhi, India, **Jan 2017**

### Paper Presentation:

- “Retro Banach Frame with Property S” in International Conference on Mathematics & Application (**ICMA 2017**), Ramjas College, University of Delhi, **April, 2017**
- “Mathematical Modelling, Simulation and Design of Polymer NanoComposite Material (Insight into Mechanical and Viscoelastic behavior)” at World Nanotechnology Webinar, **October 21-22, 2020**

### Awards and Distinctions

1. **Goverdhan Das –Bas Devi Memorial Cash Prize for “ A girl student obtaining highest CGPA in all MPHIL Courses” at IIT Roorkee.**
2. **GATE, 2004: Percentile 89.07**
3. **NET, December 2003**

### Other Activities

- **Organized :**  
**National workshop**, 'Mathematical Modelling and Computational Techniques using Mathematica', (MMCTUM) Zakir Husain Delhi College, University Of Delhi, **Mar 2017**  
**Attended:**
- **National Workshop** :Data Analytics Through R, Statistics Department, University of Jammu, Jammu, India, **Nov, 2019**
- **National Workshop**: Data Analytics with Python, University of Jammu, Bhaderwah Campus, Jammu, India, **May, 2019**
- **National Workshop**: Mathematical Modelling Using High Performance Numerical Computing, National Institute of Technology, Silchar, Aasam, India **Sep, 2018**
- **National Workshop**: Applied Stochastic Models and Optimization (ASMO-17), IIT Roorkee, **May 2017**
- **National Workshop** on Biostatistics, Botany Department, Zakir Husain Delhi College, University Of Delhi **Mar 2017**