Faculty Profile: Mr. Hemant Bhardwaj
Department of Mathematics
Ram Lal Anand College, University of Delhi

Title	Mr.	First Name	Hemant	Last Name	Bhardwaj	Photograph
Designation		Assistant Professor				
Address		Ghaziabad, Uttar Pradesh				
Phone Office						
Mobile		+918375046303				
Email		Hemant.maths@rla.du.ac.in				
Institutional Web page						
Google Scholar		https://scholar.google.com/citations?hl=en&user=hKaNMzYAAAAJ				
Research Gate		https://www.researchgate.net/profile/Hemant-Bhardwaj				
ORCID ID		0000-0002-9847-8533				
Scopus ID						
Researcher ID						
Vidwan ID		401924				

Educational Qualifications

Degree	Institution	Year
M.Sc	University of Delhi	2016

Career Profile

I am pursuing a Ph.D. in Bio-Mathematics at NIT Surat, which I started in 2019, focusing on applying mathematical principles to biological systems. I earned my Master's in Pure Mathematics in 2016 and my Bachelor's in Mathematics Honors in 2014, both from the University of Delhi. My

academic journey has been dedicated to deepening my understanding of mathematics and its potential to address biological and real-world challenges.

Administrative Assignments

Areas of Interest / Specialization

Mathematical Biology, Fractional Calculus, Radial Basis Functions, and Finite Element Methods.

Subjects Taught

Bio-Mathematics, Discrete Mathematics, Algebra.

Research Guidance

Publications Profile

Patents: 0

Papers: 3

1. **Bhardwaj, Hemant**, and Adlakha, Neeru. Radial Basis Function Based Differential Quadrature Approach to Study Reaction Diffusion of Ca2+ in T Lymphocyte. International Journal of Computational Methods 20.04 (2023): 2250059. **(World Scientific).**
2**. Bhardwaj, Hemant**, and Adlakha, Neeru.Fractional Order Reaction Diffusion of Calcium Regulating NFAT Production in T Lymphocyte. International Journal of Biomathematics (2023). **(World Scientific).** https://doi.org/10.1142/S1793524523500547
3. **Bhardwaj, Hemant**, and Adlakha, Neeru.Model To Study Interdependent Calcium And IP 3 Distribution Regulating NFAT Production in T Lymphocyte. Journal of Mechanics in Medicine and Biology (2023). **(World Scientific).**

Chapters in books and e-chapters (Published)

Conference Organization/ Presentations

Events Organized:

Invited Talks, Resource person, invited Chairperson, Conference Paper presentations (Oral):

Presentations: International

1. Fractional Order Reaction Diffusion Model of Calcium Distribution in T Lymphocyte Cells. 9th International Conference and 25th (Silver Jubilee) Annual Conference of Gwalior Academy of Mathematical Sciences - ICGAMS 2022, PIMPRI CHINCHWAD COLLEGE OF ENGINEERING, PUNE, India.

2. Two-Dimensional Finite Element Model of Interdependent Ca2+ and IP3 Dynamics in T Lymphocyte. 12th International Conference on Soft Computing for Problem Solving - SocProS 2023, Indian Institute of Technology Roorkee, Roorkee, Uttrakhand, India.

Presentations: National

Internships Conducted:

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

7th rank in DU Entrance 2014, Qualified IIT JAM 2014, Three times Net Qualified December 2017, June 2018, December 2018.

Association With Professional Bodies

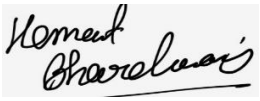
Other Activities

Research

Participations:

International

National: NCC ‘C’ Certificate.



Signature of Faculty Member