RAM LAL ANAND COLLEGE (University of Delhi)
Faculty Details

Title	Mr	First Name	HEMANT	Last Name	BHARDWAJ	Photograph
Designation		**Assistant Professor**				
Address		**House no. 114, Village- Basai** **Sector -70 Noida (Gautam Buddha Nagar)** **PIN code - 201304**				
Phone No Office						
Residence						
Mobile		**8375046303**				
Email		**Hemant.maths@rla.du.ac.in**				
Web-Page						

Educational Qualifications

Degree	Institution	Year
PhD	**Sardar Vallabhbhai National Institute of Technology**	**Pursuing**
MA/MSc	**University of Delhi**	**2016**

Career Profile

Pursuing Ph.D. in Bio-Mathematics at SVNIT, Surat, since 2019. Previously earned a Master's in Pure Mathematics from the University of Delhi in 2016 and a Bachelor's in Mathematics from the University of Delhi in 2014. Completed intermediate studies in 2010 and senior secondary examination in 2008, both under the U.P. Board. Passionate about applying mathematical knowledge to real-world problems and eager to contribute to meaningful research.

Administrative Assignments

Areas of Interest / Specialization

Bio-mathematics, Calcium Signaling, Finite Difference Method, Finite Element Method, Radial Basis Function, Fractional Calculus.

Subjects Taught

Numerical Methods, Discrete Mathematics, Differential Equation, Biomathematics, Algebra, Real analysis, Group Theory, Ring Theory, Field Theory

Research Guidance

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

1. **Bhardwaj, Hemant**, and Adlakha, Neeru. Radial Basis Function Based Differential Quadrature Approach to Study Reaction Diffusion of Ca^{2+} 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).**

Conference Organization/ Presentations (in the last three years)

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 Ca^{2+} 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.

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

 Life Time Membership of ICGAMS.

Other Activities

NCC C CERTIFICATE