



Faculty Profile Ram Lal Anand College, University of

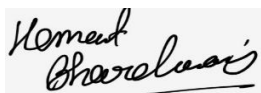


Title	Dr.	Name :	Hemant Bhardwaj	
Department	Mathematics			
Designation	Assistant Professor			
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Institutional Web page	https://rlacollege.edu.in/faculty-new-profile-cv/Tauhid/hemant/			
Google Scholar ID	https://scholar.google.com/citations?hl=en&user=hKaNMzYAAAAJ			
Research Gate ID	https://www.researchgate.net/profile/Hemant-Bhardwaj			
ORCID ID	https://orcid.org/0000-0002-9847-8533			
Scopus ID				
Researcher ID				
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/401924			
Educational Qualifications				
Degree		Institution		Year
Ph.D. Bio-Mathematics		Sardar Vallabhbhai National Institute of Technology, Surat		2025
M.Sc. Mathematics		University of Delhi, Delhi		2016

Permanent/ Temporary/ Contractual/ Ad hoc Teaching Experience					
Designation	Institution	Duration	From	To	Nature
Assistant Professor	Ram Lal Anand College, University of Delhi	---	27.06.20 23	Till Date	Permanent
Industry Experience (If any)					
Designation	Company	Duration	From	To	
Research Experience					
Designation	Institution		From	To	
Administrative Assignments					
Areas of Interest / Specialization					
1. Bio-Mathematics, Mathematical Biology 2. Numerical Methods, Finite Element Methods, Radial Basis Function, Fractional Calculus					
Subjects Taught					
Linear Algebra, Discrete Mathematics, Abstract Algebra, Numerical Methods, Bio-Mathematics					
Research Guidance (if any)					
Research Projects (Major Grants/Research Collaboration)					

Ongoing Project:
Completed Projects :
Publications
1. Bhardwaj, Hemant, and Neeru Adlakha. "Radial basis function-based differential quadrature approach to study reaction–diffusion of Ca^{2+} in T lymphocyte." <i>International Journal of Computational Methods</i> 20.04 (2023): 2250059. 2. Bhardwaj, Hemant, and Neeru Adlakha. "Model to study interdependent calcium and IP3 distribution regulating NFAT production in T lymphocyte." <i>Journal of Mechanics in Medicine and Biology</i> 24.03 (2024): 2350055. 3. Bhardwaj, Hemant, and Neeru Adlakha. "Fractional order reaction diffusion of calcium regulating NFAT production in T Lymphocyte." <i>International Journal of Biomathematics</i> 17.06 (2024): 2350054. 4. Bhardwaj, Hemant, and Neeru Adlakha. "Two-dimensional interdependent Ca^{2+} and IP3 dynamics in a T lymphocyte cell." <i>The European Physical Journal Plus</i> 140.3 (2025): 252.
Patents
International Patents:
Chapters in books and e-chapters (Published)
Conference Organization/ Presentations
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 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, Uttarakhand, India.

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
National: NCC 'C' Certificate.



Signature of Faculty Member