

FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Mrs.	First Name	Anjali	Last Name		Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Official)	Department of Mathematics Kalindi College East Patel Nagar, Patel Nagar, New Delhi, Delhi-10008					
Phone No.	+918708175676					
Email	anjali@kalindi.du.ac.in					
Education						
Course		Institution				Year
Ph.D.		National Institute of Technology Hamirpur, Hamirpur (HP)				Pursuing
M.Sc. Mathematics		Central University of Haryana, Mahendragarh (HR)				2020
B.Sc. Mathematics		Maharshi Dayanand University, Rohtak (HR)				2017
Career Profile						
Organization/Institution		Designation		Duration		Role
Kalindi College		Assistant Professor		9 th Feb, 2024 to Till Now		Undergraduate Teaching
Research Interests/Specialization						
Differential equation, Fractional Calculus, Fractional Differential Equations, Approximate Solution.						
Administrative Assignments / Contributions to Corporate Life						
Member: Discipline duties on Orientation Day (2025-26).						
Teaching Experiences (Subject/Courses taught)						
B.Sc.(H) Mathematics (Paper description): Ordinary Differential Equations, Linear Algebra, Discrete Mathematics, Topics in multivariate Calculus, Numerical Methods. Linear Programming and Applications B.Sc. Prog. (Paper description): Probability Theory and Statistics Courses: B.Sc.(H) Mathematics, B.Sc. Physical science, Generic Elective. Practical: Mathematica, Maple, MATLAB, HTML, LaTeX.						
Research Guidance						
Publication (Peer Reviewed/Indexed Journals)						
Year of Publication	Title			Journal (Name of the journal. Vol Issue ISSN)		Co-Author
2024	Analytical Solution for Time-fractional Cold Plasma Equations via Novel Computational Method.			International Journal of Applied and Computational Mathematics		Dr. R. K. Vats, Sanjeev Yadav
2024	Constructing the Fractional Series Solutions for Time-fractional KdV Equations Using Laplace Residual Power Series Technique			Optical and Quantum Electronics		Dr. R. K. Vats, Sanjeev Yadav
2024	Numerical Study of Nonlinear Time-Fractional Caudray-Godd-Gibbon-Sawada-Kotera Equation Arising in the Propagation of Waves.			Chaos, Solitons & Fractals		Dr. R. K. Vats, Sanjeev Yadav
2025	Applications of the Extended Residual power series method of Time-Fractional Zakharov-Kuznetsov equations in ocean-based coastal wave.			Pramana- Journal of Physics		Dr. R. K. Vats, Sanjeev Yadav

2026	Analysis of Population Migration Dynamics Governed by the Time-Fractional Burgers-Fisher Equation via SRPS Technique	Pramana- Journal of Physics	Dr. R. K. Vats
Conference Publication (Book Chapter)			
Year of Publication	Title	Publisher Name	Co-Author
2023	An Efficient Approach to Find the Approximate Series Solution of Time Fractional Burgers' Equation	Ideal-E-Publication	Dr. R. K. Vats, Sanjeev Yadav
2023	A Novel Technique Sumudu Residual Power Series for Solving Nonlinear Model of Bacteria Growth	Ideal-E-Publication	Dr. R. K. Vats, Sanjeev Yadav
2024	LRPS-Based Solution Technique for The Time-Fractional Kaup-Kupershmidt Equation	Springer	Dr. R. K. Vats, Sanjeev Yadav, Shivani Saini
Conferences Presentation/Organisation			
- I presented a paper entitled "<i>A Novel Technique Sumudu Residual Power Series for Solving Nonlinear Model of Bacteria Growth</i>" at the International Conference on Recent Advances in Mathematical Sciences (ICRAMS-2023), held from March 28th to 30th, 2023, at Himachal Pradesh University, Shimla, India. - I presented a paper entitled "<i>Approximate Solution of Time-fractional Caudrey-Dodd-Gibbon-Sawada-Kotera Equation via Two Novel Techniques</i>" at the International Conference on Pure and Applied Mathematics (ICPAM-2023) held from October 26th to 28th, 2023, at NIT Jalandhar.			
Faculty Development Programme/ Seminar/Workshop			
- Attended Faculty Development Program on “<i>Soft Computing Paradigms: Next Generation Applications</i>” held on July 13, 2024, in an online mode conducted by the Indian Institute of Technology Roorkee, India. - Completed a 5-days (40hrs) Faculty Development Program on “<i>Disaster Risk Management</i>”, organized by The Disaster Management Cell, Kalinda College, in collaboration with the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India (20th to 24th May, 2024). - Completed a 4-Week Faculty Induction/Orientation Programme at Teaching Learning Centre Ramanujan College, University of Delhi (21 February – 19 March 2024). - Attended a 5-day (40hrs) Faculty Development Program on “<i>Unified Approaches to Solving Differential Equations: From Classical Methods to Neural Networks (UniSDE-2025)</i>” held on December 08-19, 2025, in an online mode conducted by the National Institute of Technology Hamirpur, Himachal Pradesh. - Attended a two-day national seminar on “<i>Indian Knowledge System: From Gurukul to Global</i>”, held on April 29-30, 2026, in an online mode, organised by Government Arvind College, Kirandul, Dakshin Bharat Dantewada, Chhattisgarh Council of Science and Technology (CCOST). - Attended a 5-day (40hrs) Faculty Development Program on “<i>Next-Gen Computing: From Mathematical Models to AI in Computer Vision</i>” held on September 15-20, 2025, in an online mode conducted by the National Institute of Technology Hamirpur, Himachal Pradesh.			
Awards & Distinctions			
CSIR NET-JRF Qualified (June 2021) IIT-JAM Qualified (2018) IIT-JAM Qualified (2017)			
Public Service/ University Service/ Consulting Activity			

Professional Societies Memberships
Other Details
From July 2019 to June 2020, I held the position of President at the Department of Mathematics at Central University of Haryana, Mahendragarh.

Anjali