


Dr. Manish Kumar

Title	Dr.	First Name	Manish	Last Name	Kumar	Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Official)	Department of Mathematics, Kalindi College, East Patel Nagar, New Delhi, Delhi 110008					
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Research Contact	Homepage					
Education						
Course	Institution				Year	
Ph.D.	Indian Institute of Technology Roorkee, Roorkee				2025	
M.Sc. Mathematics	Kirori Mal College, University of Delhi				2016	
B.Sc.(H) Mathematics	Rajdhani College, University of Delhi				2014	
Career Profile						
Organization/Institution	Designation		Dates Employed		Role	
Kalindi College	Assistant Professor		Feb 2024 - Present		Undergraduate Teaching, Research	
Research Interests/Specialization						
Optimization, Nature-Inspired Optimization, Evolutionary Algorithms, Swarm Intelligence-Based Algorithms						
Administrative Assignments / Contribution to corporate life						
<ul style="list-style-type: none"> Member of the Garden committee 						
Teaching Experiences (Subject/Courses taught)						
<ul style="list-style-type: none"> ➤ B.Sc.(H) Mathematics (Paper description): Number Theory, Optimization Techniques, Analytic Geometry, Essentials of Python ➤ B.A. Prog. (Paper description): Differential Equations, Optimization Techniques. 						
Research Guidance						
Publication (Peer Reviewed/Indexed Journals)						
Year of Publication	Title		Name of Journal			
2024	Analysis of Marine Predators Algorithm using BIAS toolbox and Generalized Signature Test		Alexandria Engineering Journal			
2024	Discrete Marine Predators Algorithm for Symmetric Travelling Salesman Problem		Evolutionary Intelligence			
Seminar/Workshop/Conferences Presentation/Organization						

- Presented a paper "Opposition-Based Local Escaping Marine Predators Algorithm for Continuous Optimization" on the 9th International Conference on Metaheuristics and Nature-Inspired Computing META held at Marrakech in Morocco, Nov 01-04, 2023.
- Presented a paper "Comparison Analysis of the Structural Bias of MPA and OLMPA" during the 12th International Conference on Soft Computing for Problem Solving held at the Indian Institute of Technology Roorkee, Roorkee, India, 11th to 13th August 2023.
- Participated in International Symposium "Recent Advances in Computational Analysis and Modelling" at the Department of Mathematics, IIT Roorkee (June 2022)
- Participated in International Winter Training Course "Nature-Inspired Optimization Techniques and their Applications using MATLAB" at Electronics & ICT Academy, IIT Roorkee (December 2020)
- Attended short-term course "Optimization Theory, Methods and Applications" at Department of Mathematics, IIT Roorkee (August 2020)

Faculty Development Programme

- Attended Faculty Development Program on "Soft Computing Paradigms: Next Generation Applications" held on July 13, 2024, in an online mode conducted by the Indian Institute of Technology Roorkee, India.
- Completed a 4-Week Faculty Induction/Orientation Programme at Teaching Learning Centre Ramanujan College, University of Delhi (21 February – 19 March 2024)
- Attended Faculty Development Program/Short-term Training Program "Advanced Optimization Techniques and hands-on with MATLAB/SCILAB (AOT 2022) organized by the Ministry of Electronics and Information Technology (August 2022)
- Attended FDP on Multi-Objective Optimization "SCRS Lecture Series on Soft Computing" organized by Soft Computing Research Society, India (June 2020)
- Participated in the Faculty Development Program "Mathematica: A Tool for Computational Analysis" at Hansraj College, University of Delhi (March 2018)

Awards & Distinctions

- Qualified CSIR-SRF conducted by Council of Scientific & Industrial Research (CSIR), India (2021).
- Qualified CSIR-JRF conducted by Council of Scientific & Industrial Research (CSIR), India (2018).
- Qualified Graduate Aptitude Test in Engineering (GATE) conducted by the Ministry of Human Resource Development (MHRD), India (2018).
- Qualified CSIR-NET conducted by Council of Scientific & Industrial Research (CSIR), India (2016).
- Qualified Joint Admission Test for Masters (JAM) conducted by the Ministry of Human Resource Development (MHRD), India (2014).

Professional Societies Memberships

- Lifetime member of Soft Computing Research Society, India

Other Details

Served as a Sub co-ordinator of The Placement Cell in Department of Mathematics, University of Delhi (2014-16)

Manish Kumar