

# CURRICULUM VITAE

## **Dr. SATISH KUMAR**

Assistant Professor  
Department of Mathematics,  
Feroze Gandhi College,  
Raebareli, U.P., India.  
Mobile No: 8896767181  
E-mail: [satishkumar3102@gmail.com](mailto:satishkumar3102@gmail.com)



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### **PRESENTLY**

Successfully join as Assistant Professor (Mathematics) at Feroze Gandhi College Raebareli selected through UPHESC.

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### **ACADEMIC QUALIFICATION**

Degree	Board/University	Subject	Year of Passing	Percentage
High school	U. P. Board, Allahabad	Science	2009	75.83
Intermediate	U. P. Board, Allahabad	Science	2011	72.60
B. Sc.	University of Allahabad	Math group	2014	61.19
M. Sc.	University of Allahabad	Mathematics	2016	75.20
Ph. D.	Banaras Hindu University	Mathematics	2022	-

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### **ACHIEVEMENTS**

- Qualified CSIR NET (JRF) in 2018 conducted by CSIR.
- Qualified GATE in 2021 conducted by IIT Bombay.
- Selected as a Govt. Lecturer (Math) in 2022 through UPPSC.
- Selected as an Assistant Professor (Math) in 2022 through UPHESC.

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**Research Interest:** Wavelet analysis, Approximation theory, Numerical analysis.

**Software skill:** *Ms-office, MATLAB, Mathematica, Latex, C-Language.*

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### **PERSONAL PROFILE**

Mother's Name : Smt. Shiromani Devi  
Father's Name : Shri Bifai Lal  
Date of Birth : 08-10-1995  
Language Proficiency : Hindi & English

**Permanent Address:** : Satish Kumar S/o Shri Bifai Lal,  
Village - Bairampur, Post - Bairampur,  
District – Kaushambi - 212214, U.P., India.

### **Workshop/Conference Attended:**

- Attended an international workshop on “Wavelets and Applications: Image Processing, Data Science and PDEs” at Manav Rachna University, during December 6-10, 2021.
- Presented paper entitled, “CAS wavelet and its applications in approximation of a function belonging to Holder class and solution of Fredholm integral equation of second kind” in 35<sup>th</sup> annual conference of the mathematical society-BHU on “Advancements in Mathematical analysis and their application” during November 11-12, 2019.
- Presented paper entitled, “Bernoulli wavelet approximation of functions and solution of Volterra Integral equations” in 36<sup>th</sup> annual conference of the mathematical society-BHU on “New challenges emerging in mathematical sciences” during February 6-7, 2021.
- Presented paper entitled, “Solution of Abel’s Integral equations by Modified Taylor wavelet with error analysis” in International conference on Advance trends in computational mathematics, statistics and operation research at North Cap University during April 2-3, 2022.
- Presented paper entitled, “Haar wavelet approximations in Holder’s space and Sobolev space and solution of Bessel’s differential equation by Haar wavelet operational matrix” in 7<sup>th</sup> International conference on Mathematics at Faith Sultan Mehmet Vakif University during July 11-13, 2023.
- Completed Orientation Programme organize by Ramanujan college, University of Delhi.

### **Research Paper Published:**

- Shyam Lal and Satish Kumar, Approximation of functions by Bernoulli wavelet and its applications in solution of Volterra integral equation of second kind, Arab. J. Math. Vol. 11, 2022, pp. 341-353.
- Shyam Lal and Satish Kumar, CAS wavelet approximation of functions of Holder's class and solution of Fredholm integral equations, Ratio Mathematica, Vol. 39, 2020, pp. 187-212.
- Shyam Lal and Satish Kumar, “Solution of Abel’s integral equation by modified Taylor wavelet with error analysis”, Mathematical foundations of computing, 2023, doi:10.3934/mfc.2023009.

### **Conducted Seminar:**

- Served as Convenor in the seminar “Srinivasa Ramanujan and His Contribution to Mathematics” on the occasion of National Mathematics Day- December 22, 2022, organized at Department of Mathematics, Feroze Gandhi College, Raebareli.

### **Courses Taught at Feroze Gandhi College Raebareli:**

- MAVC-101: Measure Theory & Integration
- MACC-205: Complex Analysis
- MACC-301: Functional Analysis
- MAIER-301A: Mathematics in Computer Designing
- Paper 1: Differential Calculus
- Paper 4: Geometry

### **DECLARATION:**

*I hereby declare that all the informations given above are true to the best of my knowledge and belief.*

Date : 15/01/2024

Place : Raebareli

(Satish Kumar)