



ANJALI

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Objective:

Dedicated and accomplished Mathematics professional bringing a strong background in mathematical research, teaching experience, and a commitment to building a positive learning environment.

Educational Qualification:

Course/Examination	School/College	Year of passing	Grade/Percentage
Ph.D. (in Approximation Theory under the guidance of Prof. Vijay Gupta)	Netaji Subhas University of Technology	Submitted thesis on 31/07/2024	Have seven accepted/published SCI articles.
M.Sc. Mathematics	Hindu College (DU)	2019-20	87.125 %
B.Sc.(H) Mathematics	Keshav Mahavidyalaya (DU)	2015-2018	9.392(CGPA)
Class XII	Triveni Memorial Sr. Sec. School	2015	96.6 (Best 5 sub. %)
Class X	Jai Bharat High School	2013	10.00 (GPA)

Teaching Experience:

- 1) Assistant Professor, Maharaja Surajmal Institute of Technology, C-4 Janakpuri, New Delhi-110058, 08/2024 Started – Present
- 2) Teaching cum Research Fellow, Netaji Subhas University of Technology (Main Campus), Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi-110078, 11/2020 Started – 07/2024 End

Academic Achievements And Awards :

- Certified Commendable Research Award for Excellence in Research carried out during the academic year 2021-22.
- Qualified **CSIR-UGC Net**, June 2022.
- Qualified **Graduate Aptitude Test in Engineering (GATE)**, 2021.
- Selected for MTTS2019 (MATHEMATICS TRAINING AND TALENT SEARCH PROGRAMME) held in Kerala.
- Got 1st position in M.Sc. Mathematics, 2018-19 & 2019-20.
- Got 2nd position in B.Sc. (2nd and 3rd year), 2016-17 & 2017-18 resp.
- Recipient of INSPIRE scholarship for excellence in XII board exams.

Research Work :

- Anjali and Vijay Gupta, Higher order Bernstein-Kantorovich operators, Proceedings of the National Academy of Sciences, Physical Sciences, (NASA), (**SCI Journal**), **93** (2) 2023, 233- 242.
- Vijay Gupta and Anjali, Kantorovich variant based on inverse Polya-Eggenberger distribution, Bulletin of Malaysian Mathematical Sciences Society (**SCI Journal**), **46**, 2, 2023.
- Vijay Gupta and Anjali, Higher order Kantorovich operators based on inverse Polya-Eggenberger distribution, Rev. R. Acad. Cienc. Exactas Fis. Nat. Ser. A. Mat. RACSAM (**SCI Journal**) 116(31), 2022.
- Vijay Gupta and Anjali, Kantorovich variant of Stancu operators, Filomat (**SCI Journal**) 36(15), 2022, 5107-5117.
- Anjali and Vijay Gupta, Voronovskaja-type quantitative difference estimates of positive linear operators with different basis functions, Miskolc Mathematical Notes (**SCI Journal**), 24(1), 2023, 47-61.
- Vijay Gupta and Anjali, A new type of exponential operators, Filomat (**SCI Journal**) 37(14), 2023, 4629-4638.
- Vijay Gupta and Anjali, Integral operators in complex setting accepted in Rocky Mountain Journal of Mathematics (**SCI Journal**).
- Anjali and Vijay Gupta, Simultaneous approximation for an exponential operator connected with $x^{4/3}$, Mathematica Pannonica. DOI: 10.1556/314.2024.00007
- (**A paper under Special Issue dedicated to Prof Vijay Gupta**) Anjali, Approximation properties of a discrete operator, General Mathematics, 30 (2), 2022, pp. 63-72.

Conferences attended :

- Presented paper on topic '*Convergence estimates for certain Stancu-Kantorovich operators*' in the 'International Conference on Trends in Science, Engineering and Management (ICTSEM'21)', held on 17-18 Sep, 2021, organized by 'Gulzar Group of Institutions', Ludhiana, Punjab.
- Presented paper on topic '*Approximation properties for Lupaş-Kantorovich operators*' in the 'International Cappadocia Scientific Research Congress' organized by 'Institute of Economic Development and Social Research', held on 15-17 Dec, 2021, Turkey.
- Presented paper on topic '*Convergence estimates of Semi-exponential Baskakov operators*' in the 'International Scientific Research Congress dedicated to the 30th anniversary of Baku Eurasia University' held on April 28, 2022, Baku, Azerbaijan.
- Presented paper on topic '*Approximation properties for Păltănea operator connected with Generalized Hermite Polynomials*' in the '6th International Halich Congress on Multidisciplinary Scientific Research' held on August 18-20, 2023, Istanbul, Türkiye organized by IKSAD Institute.

Membership :

- Member of '*International Association of Engineers (IAENG)*'.
- Reviewer in Mathematical Reviews/MathSciNet
- Reviewer in zbMATH

Skills :

- Proficient in Mathematica and Latex.
- Knowledge of MATLAB.
- Knowledge of MS Office (MS Excel, MS Word, MS Power point).
- Ability to adapt teaching methods to diverse learning styles.
- Research and publication skills.

Personal Profile :

Date of Birth: 14th Nov, 1997

Languages known : English, Hindi.