![Miranda House, University of Delhi logo]

Name: Dr. Durvesh Kumar Verma

Department: Mathematics

Current Designation: Assistant Professor

Email id: durvesh.verma@mirandahouse.ac.in

Academic Qualifications:

M.Sc. (Mathematics) in 2008, Department of Mathematics, Banaras Hindu University.
B.Sc. in 2006, Y.D.P.G. College CSJM University, Kanpur.

Research Degree:

Ph.D. (Mathematics) in 2014, Department of Mathematics, IIT Roorkee under the supervision of Prof. P. N. Agrawal (IITR) and Prof. Vijay Gupta (NSUT, New Delhi).
Title of Thesis: On Certain Linear Methods of Approximation.

Field of Specialization under the Subject/Discipline:

Approximation Theory, Quantum Calculus and Approximation in Complex plane.

Total Teaching Experience: 08 Years

Teaching at Miranda House since: 29 Feb. 2016.

List of Publications:

(Articles in referred/peer-reviewed/UGC Care journals/ Books/Book Chapters)

1. Chandra Prakash, Naokant Deo and **D. K. Verma,** Bézier variant of Bernstein–Durrmeyer blending-type operators, Asian-European Journal of Mathematics, https://doi.org/10.1142/S1793557122501030.

2. Chandra Prakash, Naokant Deo and **D. K. Verma**, Approximation by a new sequence of operators involving Apostol-Genocchi polynomial, Mathematica Slovaca, 71 (2021), 1179-1188.

3. **D. K. Verma,** Approximation by generalized Srivastava-Gupta operators based on certain parameter, Publications de l'Institut Mathmatique, 101 (2017), 247-259.

4. **D. K. Verma**. and V. Gupta, Approximation by a New Sequence of Operators Involving Charlier Polynomials with a Certain Parameter, Modern Mathematical Methods and High Performance Computing in Science and Technology pp 25-34, 2016.

5. **D. K. Verma** and V. Gupta, Approximation for Jakimovski-Leviatan-Paltanea operators, Ann. Univ. Ferrara (Springer), 61(2) (2015), 367-380.

6. Vijay Gupta, R. P. Agrawal, **D. K. Verma**, Approximation for a new sequence of summation-integral type operators, Advances in Mathematical Sciences and Applications, 23 (2013), 35-42.

7. **D. K. Verma** and P. N. Agrawal, Approximation by Baskakov-Durrmeyer-Stancu operators based on q-integers, Lobachevskii Journal of Mathematics (Springer), 34(2) (2013), 179-188.

8. V. Gupta, P. N. Agrawal and **D. K. Verma**, A q-Analogue of modifified Beta operators, Rocky Mount. J. Math., 42 (2013), 1-18.

9. **D. K. Verma** and Agrawal P. N., Rate of convergence for generalized Baskakov-Durrmeyer Operators, World Academy of Science, Engineering and Technology, 71 (2012), 2050-2055.

10. **D. K. Verma**, V. Gupta, P. N. Agrawal, Some approximation properties of Baskakov-Durrmeyer-Stancu operators, Appl. Math. Comput., 218 (11) (2012), 6549-6556.

11. Gupta Vijay, Verma D. K., Approximation by Complex Favard-Szasz-Mirakjan-Stancu Operators in Compact disks, Mathematical Sciences (Springer), 6 Art. 25 (2012), pp. 8.

12. **D. K. Verma** and Agrawal P. N., Convergence in simultaneous approximation for Srivastava-Gupta Operators, Mathematical Sciences (Springer), 6 Art. 22 (2012), pp 8.

13. V. Gupta, **D. K. Verma** and P. N. Agrawal, Simultaneous approximation by certain Baskakov-Durrmeyer-Stancu operators, Journal of the Egyptian Mathematical Society (Elsevier), 20 (2012), 183-187.

14. S. G. Gal, V. Gupta, **D. K. Verma** and P. N. Agrawal, Approximation by complex Baskakov-Stancu operators in compact disks, Rend. Circ. Mat. Palermo (Springer), 61 (2012), 153-165.

15. V. Gupta, P. N. Agrawal and **D. K. Verma**, On discrete q- Beta operators, Ann. Univ. Ferrara (Springer), 57 (2011), 39-66.

Research Guidance:

Supervising two Ph. D. students.

Conferences/Workshop Organised:

- One week FDP on "Applications of Mathematics in Bussiness and Social Sciences", Miranda House in collaboration with Mahatma Hansraj Faculty Development Center

- A two day workshop on Algebra, Miranda House and The Indian Mathematical Consortium, March 2–3, 2017.

Seminars/Workshops/Conferences attended:

- One week international (online) FDP on "Advanced Linear Algebra" organized by Miranda House in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College during Sept. 27– Oct. 1, 2021.

- One week online FDP on "Mathematical Analysis and its Applications" organized by Vivekananda College in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College during July 26-31, 2021.

- One week FDP on "Applications of Algebra and Number Theory" organized by Department of Mathematics, Hansraj College during Dec. 22-29, 2020

- One week FDP on "Digital Pedagogy to enhance teaching and learning experience", Maitreyi College during Dec. 15-21, 2020.

- Teachers Enrichment Workshop on " Differential Equations, Mathematical Modelling & Analysis" organized by Deshbandhu College in collaboration with NCAM during July 24-29, 2018.

- International Conference on Mathematical, Computational and Statistical Sciences, and Engineering organized by World Academy of Science, Engineering and Technology held at Paris, France from Nov. 28-29, 2012.

- National conference on Mathematical Analysis and Modelling 2012, SRM University, NCR Campus, Modinagar during March 30-31, 2012.

- International Conference on Soft Computing for Problem Solving (SocProS-2011) held at The Institution of Engineers, Roorkee Local Centre, IITR Campus, Roorkee during Dec. 20-22, 2011.

- International Conference on Analysis and its Applications 2011, Aligarh Muslim University, Aligarh, India, Nov. 19-21, 2011.

- Research Scholars' Seminar, Department of Mathematics, University of Delhi, New Delhi during Jan. 22-23, 2009.