# Curriculum Vitae

**Name:** Dr. Ram Pratap

**Organisation:** Hansraj College, University of Delhi

**Department:** Mathematics

**Current Designation:** Assistant Professor

**Email id:** rampratap@hrc.du.ac.in

**Academic Qualifications**:

M.Sc. (Mathematics): IIT Roorkee (2013).
B.Sc. (Mathematics): Chhatrapati Shahu Ji Maharaj University Kanpur (2010).

**Research Degree:**

Ph.D. (Mathematics): Delhi Technological University (2020).

Topic: Certain Approximation Methods of Convergence for Linear Positive Operators.

**Field of Specialization under the Subject/Discipline**:

- Approximation Theory.
- Quantum Calculus.

**Teaching Experience:**

- Working as an Assistant Professor Hansraj College, University of Delhi from 7 October 2022 to present date.
- Worked as an Assistant Professor Miranda House, University of Delhi from 4 December 2020 to 6 October 2022.

**Awards/Academic Achievements:**

- Qualified JAM 2011.
- Qualified Gate 2015.
- Qualified CSIR - NET JUNE 2017.
- Commendable Research Award for Excellence in Research by Delhi Technological University in 2018 and 2019.

**List of Publications** (reverse chronological order):

- Naokant Deo and Ram Pratap (2023), The family of Szász-Durrmeyer operators involving Charlier polynomials, Kragujevac journal of Mathematics, 47(3): 431-443.
- Naokant Deo and Ram Pratap (2022), Approximation by integral form of Jain and Pethe operators, Proceedings in Nation Academy of Sciences India Section A: Physical Sciences, 92: 31-38, Springer.
  DOI: https://doi.org/10.1007/s40010-020-00691-z
- Ram Pratap (2022), The family of λ-Bernstein-Durrmeyer operators based on certain parameters, Mathematical Foundations of Computing, AIMS.
  DOI: http://dx.doi.org/10.3934/mfc.2022038
- Minakshi Dhamija, Naokant Deo, Ram Pratap and Ana Maria Acu (2022), Generalized Durrmeyer operators based on inverse Polya-Eggenberger distribution, Afrika Matematika, Springer.
  DOI: https://doi.org/10.1007/s13370-021-00949-8
- Neha, Naokant Deo and Ram Pratap (2022), Bèzier variant of summation-integral type operators, Rendiconti Circolo Matematico di Palemo Series 2, Springer.
  DOI: https://doi.org/10.1007/s12215-021-00695-7
- Naokant Deo and Ram Pratap (2021), Approximation by mixed positive linear operators based on second-kind beta transform, Asian European journal of mathematics, World Scientific.
  DOI: https://doi.org/10.1142/S1793557122501364
- **Ram Pratap** and Naokant Deo (2021), A family of Bernstein-Kantorovich operators with shifted knots, *Rendiconti Circolo Matematico di Palemo Series 2*, Springer.
  DOI: https://doi.org/10.1007/s12215-021-00677-9
- Ajay Kumar and Ram Pratap (2021), Approximation by modified Szász Kantoro-vich type operators based on Brenke type polynomials, Annali del\$ Universitàà di Ferrara, Springer.
  DOI: https://doi.org/10.1007/s11565-021-00365-7
- Naokant Deo and Ram Pratap (2020), $\alpha$-Bernstein-Kantorovich operators, Afrika Matematika, 31: 609-618, Springer.

DOI: https://doi.org/10.1007/s13370-019-00746-4

- Ram Pratap and Naokant Deo (2020), Q-analogue of generalized Bernstein Kantorovich operators, Proceedings of Mathematical Analysis-I Approximation Theory, 67-75, Springer.
  DOI: https://doi.org/10.1007/978-981-15-1153-0_6
- Ram Pratap and Naokant Deo (2019), Approximation by genuine Gupta-Srivastava operators, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, 113: 2495-2505, Springer.
  DOI: https://doi.org/10.1007/s13398-019-00633-4
- Ram Pratap and Naokant Deo (2019), Rate of convergence of Gupta-Srivastava operators based on certain parameters, Journal of Classical Analysis, 14(2): 137-153, Ele-Math.
  DOI: http://dx.doi.org/10.7153/jca-2019-14-11
- Minakshi Dhamija, Ram Pratap and Naokant Deo (2018), Approximation by Kantorovich form of modified Szász-Mirakyan operators, Applied Mathematics and Computation, 317: 109-120, Elsevier.
  DOI: https://doi.org/10.1016/j.amc.2017.09.004

**Seminars/Workshops/Conferences attended** (reverse chronological order):

- Presented a paper entitled "The Family of Szász-Durrmeyer type operators Involving Charlier polynomials" at International Conference on Applied Mathematics and Computational Sciences held at DIT University Dehradun, India, October 17-19, 2019.
- Presented a paper entitled "Approximation by α -Bernstein-Kantorovich operators" at International Conference on Recent Advances in Pure and Applied Mathematics held at DTU Delhi, India, October 23-25, 2018.
- Attended National Workshop on "Nonlinear Functional Analysis and its Applications" at Graphic Era University, Dehradun, India, February 19-24, 2018.
- Attended an international conference on "Current Trends in Theoretical and Computational Differential Equations with Applications" at SAU, Delhi, India, December 01- 05, 2017.

- Attended an international conference on “Differential Geometry, Algebra and Analysis” at Jamia Millia Islamia, Delhi, India, November 15-17, 2016.