

BIO-DATA

Dr. Pooja Gupta

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J.C. Bose University of Science and Technology, YMCA,
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Current Position

Assistant Professor, J.C. Bose University of Science and Technology, YMCA,
Faridabad

Date of Birth: 17th June, 1991

Gender: Female

Category: Gen

Subjects Taught

- Programming in C/C++
- LaTeX
- Topology
- Probability and Statistics
- Integral Equations,
- Engineering Mathematics
- Discrete Mathematics
- Numerical Analysis
- Metric Space
- Abstract Algebra

Academic Qualification (Undergraduate Onwards)

B.A. (2011) D.N. College, Hisar (Affiliated from Kurukshetra University)

M.A. (2013) Pure Mathematics, Delhi University, Delhi

Ph. D. (2018) Approximation Theory, Indian Institute of Technology, Roorkee, Roorkee

Ph.D thesis title, Guide's Name: Study of the Rate of Convergence of Certain Linear Positive Approximation Methods, Dr. P.N. Agrawal.

Work experience

Lecturer in M.M. College, Fatehabad, Haryana (01.08.2013-31.03.2014)

Lecturer in O.D.M. Computer and Management Institution, Haryana (04.04.2013-27.06.2014)

Assistant professor in J.C. Bose University of Science and Technology, YMCA, Faridanbad, Haryana (16.08.2018 to continue)

Awards

MHRD fellowship during Ph.D . (July 2014-April 2018)

CSIR-JRF (Dec 2016-April 2018)

Research Publications

1. Pooja Gupta, Mangey Ram and Ramu Dubey, *Image of polynomials under generalized Szász operators* — **Applied Mathematics-A journal of Chinese Universities**, Vol. 36, pp. 599-610, 2021.
2. Dubey R., Kumar A., Gupta P., Jayswal S., *Special class of G-Wolfe type fractional symmetric duality theorems* — **Journal of Physics: Conf. Series**, Vol. 1724, pp. 1-8, 2021.
3. Swarup C., Gupta P., Dubey R. and Mishra V.N., *Generalization of Szász–Mirakjan–Kantorovich operators* — **Journal of Inequalities and Applications**, pp. 1-11, 2020.
4. Gupta, Pooja and Agrawal, P. N., *Quantitative Voronovskaja and Grüss Theorems* — **Iranian Journal of Science and Technology**, Vol. 43, pp. 1679-1687, 73-82, 2019.
5. Pooja Gupta, Ana Maria Acu and Pursottam Narain Agrawal, *Jakimovski–Leviatan operators of Kantorovich type* — **Georgian Mathematical Journal**, Vol. 28, pp. 73-82, 2019.
6. Pooja Gupta and Purushottam Narain Agrawal, *Jakimovski–Leviatan operators of Durrmeyer type* — **Turkish Journal of Mathematics**, Vol. 42, pp. 1457-1470, 2018.
7. **Agrawal, P. N., and Gupta P.,** *q-Lupas Kantorovich operators* — **Annali dell'Universita di Ferrara**, Vol. 64, pp. 1-23, 2018
8. Pooja Gupta and Purushottam Narain Agrawal, *Rate of convergence of Szász-beta operators* — **Demonstratio Mathematica**, Vol. 50, pp. 130-143, 2017.
9. P.N. Agrawal and Pooja Gupta, *Durrmeyer variant of q-Favard-Szasz operators* — **Creative Mathematics and Informatics**, Vol. 26, pp. 9-17, 2017.

Patent

- **Title:** Automated High-Throughput System for Seed Germination
- **Applicants:** Dr. Pooja Gupta, et al.
- **Patent No.:** 202111010997
- **Date:** March 2021
- **Agency:** Government of India
- **Status:** Published

Book Chapter

- **Book:** *Advances in Mathematics (River Publications)*
- **Chapter:** *Convergence of Generalized Szász–Mirakjan–Kantorovich Operators*
- **Authors:** Dr. Pooja Gupta and Dr. Ramu Dubey
- **Chapter No. & Year:** Chapter 9 (2025)

Memberships

Life member of “**The Indian Mathematical Society**”

Editor

Journal of Graphic Era University (JGEU).

