

Dr. ARUN KAJLA

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Academic Qualification:

- Ph. D in Mathematics from I.I.T. Roorkee, Roorkee in year 2016 on the topic “Rate of convergence of certain positive linear approximation methods”.
- Cleared CSIR-UGC-NET (JRF) in June 2012.
- Cleared CSIR-UGC-NET in June 2013.
- Cleared GATE in March 2011.
- M.Sc. Mathematics from C.C.S. University, Meerut.
- B.Sc. from C.C.S. University, Meerut.

Position Held:

- Worked as UGC-SRF at Department of Mathematics, I.I.T. Roorkee, Roorkee from January 2015-May 2016.
- Worked as UGC-JRF at Department of Mathematics, I.I.T. Roorkee, Roorkee from January 2013-December 2014.

Area of Specialization:

Approximation Theory

Teaching Experience:

- Taking tutorial classes of B. Tech first year (MA-001 and MA-002) since 2013 in Indian Institute of Technology Roorkee.
- Taking lectures of M. Sc. first year (Industrial and Applied Mathematics) in Indian Institute of Technology Roorkee.

Research Profile:

Publications:

- **Arun Kajla**, Ana Maria Acu and P. N. Agrawal, Baskakov-Szasz type operators based on inverse Polya-Eggenberger distribution, *Ann. Funct. Anal.* (Accepted).
- **Arun Kajla** and P. N. Agrawal, Szasz-Durrmeyer type operators based on Charlier polynomials, *Appl. Math. Comput.* 268 (2015) 1001-1014.
- **Arun Kajla** and P. N. Agrawal, Approximation properties of Szasz type operators based on Charlier polynomials, *Turk. J. Math.* 39 (2015) 990-1003.
- **Arun Kajla**, Nurhayat Ispir, P. N. Agrawal and Meenu Goyal, q-Bernstein-Schurer-Durrmeyer type operators for functions of one and two variables, *Appl. Math. Comput.*, 275 (2016) 372-385.
- Nurhayat Ispir, P. N. Agrawal and **Arun Kajla**, Rate of convergence of Lupas Kantorovich operators based on Polya distribution, *Appl. Math. Comput.* 261(2015) 322-329.
- P. N. Agrawal, Nurhayat Ispir and **Arun Kajla**, Approximation properties of Bezier-summation-integral type operators based on Polya-Bernstein function, *Appl. Math. Comput.* 259 (2015) 533-539.
- P. N. Agrawal, Nurhayat Ispir and **Arun Kajla**, GBS operators of Lupas-Durrmeyer type based on Polya distribution, *Results. Math.* 69 (2016), 397-418.
- P. N. Agrawal, Nurhayat Ispir and **Arun Kajla**, Approximation properties of of Lupas Kantorovich operators based on Polya distribution, *Rend. Circ. Mat. Palermo.* DOI 10.1007/s12215-015-0228-4.

- P. N. Agrawal, Vijay Gupta, A. Sathish Kumar and **Arun Kajla**, Generalized Baskakov-Szasz type operators, Appl. Math. Comput. 236 (2014) 311-324.
- **Arun Kajla** and P. N. Agrawal, Szasz-Kantorovich type operators based on Charlier polynomials, Kyungpook Math. J. (Accepted)
- P. N. Agrawal, Meenu Goyal and **Arun Kajla**, q-Bernstein-Schurer-Kantorovich type operators, Boll. Unione. Mat. Ital., 8 (2015) 169-180.

Papers in Conference proceedings

- P. N. Agrawal and Arun Kajla, Modified Baskakov-Szasz operators based on q-integers, proceeding of the international conference ICRTMAA-14, held at Roorkee during 21-23rd December 2014 (Springer) 85-108.

Conferences and Workshops:

- Participated and presented in the conference "International conference on recent trends in mathematical analysis and its applications (ICRTMAA-2014)" held at IIT Roorkee from 21-23rd December 2014.
- Participated and presented in the conference "International conference on modern mathematical methods and high performance in computing in science and technology (M3HPCST)" held at Raj Kumar Goel Institute of Technology, Ghaziabad from 27-29th December 2015.
- Participated in the workshop "Mathematica as a Teaching Aid" held at IIT Roorkee from March 2016.
- Participated in the workshop "Applicable Analysis" held at IIT Roorkee from March 2016.

Skills:

Software Packages:	MS Office, Latex, Matlab, C, C++ and Mathematica
Language Known:	English and Hindi

Personal Detail:

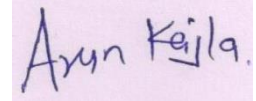
- Father's Name Sh. Bijendra Singh
- Mother's Name Smt. Saroj Devi
- Nationality Indian
- Marital status Single
- Interest Reading, Music, Meditation
- Permanent Address: Village and Post-Bhatipura,
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References:

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Declaration:

I hereby declare that the above information furnished by me is true to the best of my knowledge.

A handwritten signature in blue ink on a light purple rectangular background. The signature reads "Arun Kajla." with a period at the end.

Date: September 13, 2016

(Arun Kajla)