

# Dr. Jitendra Kumar Maurya

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## EDUCATION

- **Ph. D** - Department of Mathematics, Institute of Science, Banaras Hindu University,
- Discipline: Mathematics
- Specialization: Optimization
- Research Area: **Nonlinear Programming, Nonsmooth Analysis, Semi-infinite optimization, Multiobjective Optimization, Mathematical programs with equilibrium constraints, Mathematical programs with vanishing constraints, Variational inequality.**
  - **M.Sc.** in Mathematics, M. G. K. V. P. University, Varanasi, India (58.91%) in 2012.
  - **B.Sc.** Mathematics & Physics, V. B. S. P. University, Jaunpur, India (57.05%) in 2009.
  - **12<sup>th</sup>** U. P. Board, Allahabad with 57.00% in 2006.
  - **10<sup>th</sup>** U. P. Board, Allahabad with 60.17% in 2004.

## EXAMINATION QUALIFIED

Year	Examination Name	Rank (Score)
2012	GATE	758
2014-June	CSIR-JRF	51 out of 211
2014-December	UGC-JRF	68 out of 189
2015	GATE	186
2015-June	CSIR-JRF	63 out of 314

## PUBLICATIONS

1. Kunwar V. K. Singh, **Jitendra Kumar Maurya**, Yogendra Pandey and S. K. Mishra. On Optimality and duality for multiobjective mathematical programming problem with equilibrium constraints using generalized convexity. *Journal of Scientific Research, Banaras Hindu University, Varanasi*, 63, 281-297, 2019
2. Kunwar V. K. Singh, **J. K. Maurya**, S. K. Mishra. Lagrange duality and saddle point optimality conditions for semi-infinite programming problems with equilibrium, *Yugoslav Journal of Operations Research*, 29 (4), 433-448, 2019 (DOI: <https://doi.org/10.2298/YJOR181215014S>)
3. Kunwar V. K. Singh, **J. K. Maurya** and S. K. Mishra. Duality in Multiobjective Mathematical Programs with Equilibrium Constraints. *Int. J. Appl. Comput. Math* 7, 62 (2021). <https://doi.org/10.1007/s40819-021-01002-9>.
4. **J. K. Maurya**, A. Shahi, S. K. Mishra. Optimality and Duality of Pseudolinear Multiobjective Mathematical Programs with Vanishing Constraints. In: Singh V.K., Sergeyev Y.D., Fischer A. (eds) Recent Trends in Mathematical Modeling and High Performance Computing. Trends in Mathematics. Birkhäuser, Cham. [https://doi.org/10.1007/978-3-030-68281-1\\_16](https://doi.org/10.1007/978-3-030-68281-1_16) (2021).

5. Singh, S., **Maurya, J.**, Mishra, S. Sequential Optimality Conditions and Variational Inequalities. *Theory of Approximation and Applications*, 14(1), 1-25 (2020).

#### **WORKSHOPS AND CONFERENCES ATTENDED**

1. Annual Foundation School-I in JECRC University, Jaipur (30 Nov- 26 Dec, 2015).
2. Participated in “National Conference on Analysis and Applications (NCOAA-2016, BHU)”, Varanasi, India (5 Feb – 7 Feb, 2017).
3. Participated and Presented a paper in “International Conference on The Indian Mathematical Consortium in Co-operation with American Mathematical Society” entitled with “On strong KKT sufficient Optimality Conditions for Multiobjective Semi-infinite Pseudolinear Optimization” in BHU, Varanasi, India(14 Dec- 17 Dec, 2016).
4. Participated and Presented a paper in “2017 Symposium on Mathematical Programming and Game Theory” entitled with “Approximate Karush-Kuhn Tucker Condition in Multiobjective smooth and NonsmoothPseudolinear Optimization” in Indian Statistical Institute Delhi Centre, New Delhi, India (9 Jan – 11 Jan, 2017).
5. Attend the “International Workshop on Convex Analysis and Optimization (IWCAO-2017)” in AMU, Aligarh, India (14 Nov - 19 Nov, 2017).
6. Participated and Presented a paper in “International Conference on Analysis and Its Applications (ICAA-2017)” entitled with “Approximate Duality in Multiobjective Optimization” in Aligarh Muslim University, Aligarh, India (20Nov– 22 Nov, 2017).
7. Attend “Hands on Training Programme on C & MATLAB” at DST-CIMS, B.H.U., Varanasi (10 Feb - 17 Feb, 2018).

#### **PERSONAL INFORMATION**

**Father’s Name:** Shriram Maurya

**Mother’s Name:** Shakuntala Devi

**Date of Birth:** 02/01/1989

**Address:** Village- Dadara Pahadi, Post- Baghaura, District- Mirzapur 231001, Uttar Pradesh, India.

**Nationality:** Indian

**Language Known:** Hindi, English

**Ph.D-Supervisor**

Prof. S. K. Mishra

Department of Mathematics, Institute of Science, BHU, Varanasi.

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