

CURRICULAM VITAE

Shiva Kapoor

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CAREER OBJECTIVE

To secure a position which utilizes my **skills, abilities and experience** as well as provides an opportunity to continue learning in the field of Mathematics.

I chose this because of my interest in finding the best way to do things. 'Best' may vary from person to person and also from situation to situation, but my interest is to look for options where we are able to amplify the returns from the energy and the work that we put into our practical projects and/or desires in a benign way with respect to the surrounding environment also.

WORK EXPERIENCE

Post Graduate Experience

- Assistant Professor (guest) in Department of Mathematics, University of Delhi from October'19 till April'21.

Under Graduate Experience

- Assistant Professor (Ad-hoc) in Jesus and Mary College, University of Delhi from Jan'22 till Date.
- Assistant Professor (Guest) in Deen Dayal Upadhyaya College, University of Delhi from October'21 till December'21.
- Assistant Professor (Guest) in Satyawati College from August'19 till October'19.
- Assistant Professor (Ad-hoc and Guest) in Sri Guru Nanak Dev Khalsa College from Jan'16 till April'16
- Assistant Professor (Ad-hoc) in Shri Ram College of Commerce from July'13 till Sep'13
- Contract Lecturer in Ambedkar Polytechnic, Directorate of Training and Technical Education from Oct'12 till July'13

EDUCATIONAL QUALIFICATIONS

YEAR	DEGREE	INSTITUTION	BOARD/UNIVERSITY	SUBJECTS	AGGREGATE
2022	Ph. D	Department of Mathematics	University of Delhi	Optimization	Qualified
Title of Thesis- STABILITY AND DENSITY ASPECTS IN VECTOR OPTIMIZATION					
2016	M. Phil	Department of Mathematics	University of Delhi	Optimization	83.2%
Title of Dissertation- SCALARIZATION METHODS AND CHARACTERIZATIONS OF SOLUTION SETS IN VECTOR OPTIMIZATION					
2011	M. A.	Hansraj College	University of Delhi	Mathematics	68.18%
2009	B.A.(Hons)	Hansraj College	University of Delhi	Mathematics	79.18%
2006	12 th	Goodley Public School	CBSE	Commerce	86.8%
2004	10 th	Goodley Public School	CBSE	General	84.8%

RESEARCH PUBLICATIONS

- Shiva Kapoor and C. S. Lalitha, *Continuity and closedness of constraint and solution set mappings in unified parametric semi-infinite vector optimization*. **J. Math. Anal. Appl.**, Volume 506, Issue 2, 2022. <https://doi.org/10.1016/j.jmaa.2021.125648>. [SCIE, Impact Factor 1.583]
- Shiva Kapoor and C. S. Lalitha, *Essential stability in unified vector optimization*. **J. Global Optim.** Volume 80, pp 161–175, 2021. [SCIE, Impact Factor 2.338]
- Shiva Kapoor and C. S. Lalitha, *Stability in unified semi-infinite vector optimization*, **J. Global Optim.**, Volume 74, Issue 2, pp 383–399, 2019. [SCIE, Impact Factor 2.338]
- Shiva Kapoor and C. S. Lalitha, *Stability and scalarization for a unified vector optimization problem*, **J. Optim. Theory Appl.**, Volume 182, Issue 3, pp 1050–1067, 2019. [SCIE, Impact Factor 2.310]
- Shiva Kapoor and C. S. Lalitha, *Density aspects in semi-infinite vector optimization*. **Continuous Optimization and Variational Inequalities**. CRC Press, Taylor & Francis, pp 55-70, 2022. [ISBN 9781003289883]

PAPER PRESENTATIONS

- *Essential sets and essential components of efficient solutions in vector optimization*, **35th Annual Conference of Ramanujan Mathematical Society**, Central University of Rajasthan, December 28-30, 2020.
- *Parametric Stability Analysis of Semi-infinite Vector Optimization: Unified Approach*, **Indo-French Seminar on Optimization, Variational Analysis and Applications**, Banaras Hindu University, Varanasi, February 02-04, 2020.
- *Stability Aspects of Solution Sets in Unified Semi-infinite Vector Optimization*, **52nd Annual Convention of ORSI & International Conference**, IIM Ahmedabad, December 16-18, 2019.
- *Stability in One-parametric Unified Semi-infinite Vector Optimization: continuity and closedness*, **National Conference on Advances in Mathematical Analysis and its Applications**, P.G.D.A.V. College, University of Delhi, November 8-10, 2019.
- *Convergence of Solution Sets in Unified Semi-infinite Vector Optimization*, **National Research Scholar Seminar, Department of Mathematics**, University of Delhi, December 28, 2018.
- *Convergence and Scalarization of Minimal Solution Sets for a Unified Vector Optimization Problem*, **33rd Annual Conference of the Ramanujan Mathematical Society**, University of Delhi, June 1-3, 2018.
- *Painlevé-Kuratowski Convergence of Solution Sets in Unified Vector Optimization*, **International Symposium on Operations Research and Game Theory: Modeling and Computation**, Indian Statistical Institute, Delhi Centre, January 9-11, 2018.

CONFERENCES/ WORKSHOP/SEMINAR ATTENDED

- **Indo-French Seminar on Optimization, Variational Analysis and Applications**, Banaras Hindu University, Varanasi, February 02-04, 2020.
- **52nd Annual Convention of ORSI & International Conference**, IIM Ahmedabad, December 16-18, 2019.
- National Conference on **Advances in Mathematical Analysis and its Applications**, P.G.D.A.V. College, University of Delhi, November 8-10, 2019.
- National workshop on **Groups and Geometry**, Shyama Prasad Mukherji College For Women, University of Delhi, August 2-3, 2019.
- National **Research Scholar Seminar**, Department of Mathematics, University of Delhi, December 28, 2018.
- 33rd Annual Conference of the **Ramanujan Mathematical Society**, University of Delhi, June 1-3, 2018.
- International Symposium on **Operations Research and Game Theory : Modeling and Computation**, Indian Statistical Institute, Delhi Centre, January 9-11, 2018.
- International workshop on **Convex Analysis and Optimization (IWCAO-2017)**, Aligarh Muslim University, November 14-19, 2017.
- **Research Scholar Seminar and Annual Conference of the Society Of Mathematical Sciences (Delhi)**, Department of Mathematics, University of Delhi, May 01-02, 2017.
- International Symposium on **Mathematical Programming and Game Theory**, Indian Statistical Institute, Delhi Centre, January 9-11, 2017.
- 49th annual convention of ORSI, International Conference on **Analytics in Operational Research**, Birla Institute of Management and Technology, December 12-16, 2016.
- National Conference on **Algebra, Analysis, Coding and Cryptography**, University of Delhi, October 14-15, 2016.
- International Conference on **Recent Advances in Optimization Theory and Applications**, University of Delhi, January 30-31, 2016.
- **Research Scholar Seminar**, Department of Mathematics, University of Delhi, February 23-24, 2015.
- Workshop on **Applied Optimization Models and Computation**, Indian Statistical Institute, Delhi Centre, January 28-30, 2015.
- Workshop organized by **Delhi University Library System**, University of Delhi, February 19, 2014.
- **CIMPA-UNESCO-INDIA Research School 2013**, Department of Mathematics, University of Delhi, November 25 to December 6, 2013.

AWARDS AND ACHIEVEMENTS

- 2019- **Best Student Paper Award for the paper entitled "Stability in unified semi-infinite vector optimization"** during 52nd annual convention of ORSI & International Conference, December 15-18, 2019, at IIM Ahmedabad.
- 2018- Promoted to as **Senior Research Fellow**.
- 2014- Scored **86 AIR in UGC-JRF** Examination.
- 2013- Scored **151 AIR in GATE** Examination with **GATE** score **407**
- 2013- Scored **51 AIR in UGC NET** Examination
- 2011- Scored **100%** in **Optimization theory** in M.A.
- 2008- **Rank 3rd** in Sudoku Quiz during Mathematics fest in Hansraj College
- 2007- **Rank 3rd** in Hansraj College in 1st year of B.A.(Hons.) Mathematics
- 2006- **Scholarship & Merit** award - CBSE for **100%** in **Accounts** in class 12th
- 2006- Scored **99%** in **Mathematics** in class 12th CBSE exam
- 2001- Awarded **Bronze Medal, Disha** Art completion

COMPUTER LITERACY

Microsoft Word, Power Point, Excel, LaTeX, Matlab, Mathematica, Basic Internet usage

PERSONAL DETAILS

Name : Shiva Kapoor
Gender : Female
Category : General
Date of Birth : 12th January 1989
Father's name : Narinder Kapoor
Mother's name : Sakshi Kapoor
Nationality : Indian
Hobbies : Sketching, Writing Shayari, Fond of music
Languages : Hindi and English

I hereby declare that the information presented here is correct to my present knowledge.

Date:

Place: New Delhi

[SHIVA KAPOOR]
