

# CURRICULUM VITAE

**Dr. Pushkar Jaisawal**

**Correspondence Address:-**

K-56/69, Ausanganj  
Varanasi-221001, U.P.,  
India.



**E-mail:** [pushkarjaisawal2@gmail.com](mailto:pushkarjaisawal2@gmail.com)

## Personal Details

Father's Name	:	Mr. Ashok Kumar Jaisawal
Mother's Name	:	Mrs. Mridula Jaisawal
Date of Birth & Place	:	10 Sept. 1990; Varanasi, India
Nationality	:	Indian
Sex	:	Male
Category	:	OBC
Language Proficiency	:	Hindi and English
Mobile No.	:	09140976940, 07054412060
Residential Address	:	K- 56/69, Ausanganj, Varanasi-221001, India.

## Research Topic

- Some Contributions to Recent Problems in Optimization.

## Academic Qualifications

- **Ph.D.** in [OPTIMIZATION (Mathematics)] from [BANARAS HINDU UNIVERSITY, INDIA] in **July, 2021**.
- **Post-Graduation (M.Sc.)** in [MATHEMATICS] from [MAHATMA GANDHI KASHI VIDYAPITH UNIVERSITY, VARANASI] in the session **2011-2013**.
- **Graduation (B.Sc.)** in [MATHEMATICS, STATISTICS, COMPUTER] from [MAHATMA GANDHI KASHI VIDYAPITH UNIVERSITY, VARANASI] in the session **2008-2011**.
- **Senior School Certificate Examination** from [UTTAR PRADESH BOARD] in [2007].
- **Secondary School Examination** from [UTTAR PRADESH BOARD] in [2005].

## Awards & Fellowships

- Sanctioned **Dean of Students Welfare (DSW) BHU of Financial Assistance** to attend and present my paper in the “**The Joint Conference of the International Conference on Nonlinear Analysis and Convex Analysis and the International Conference on Optimization: Techniques and Applications (NACA-ICOTA2019)**” during **August 26-31, 2019** at **Future University Hakodate (FUN), Hakodate, Japan**. (Ref. No. DS/2019-20/314 dated September 12, 2019).
- Sanctioned **DST-PURSE Travel Grant** to attend and present my paper in the “**The Joint Conference of the International Conference on Nonlinear Analysis and Convex Analysis and the International Conference on Optimization: Techniques and Applications (NACA-ICOTA2019)**” during **August 26-31, 2019** at **Future University Hakodate (FUN), Hakodate,**

**Japan.** (Ref. No. Coord./DST-PURSE/2019-20/796 dated August 10, 2019).

- Awarded **CSIR-UGC (NET) SENIOR RESEARCH FELLOWSHIP** from **February 01, 2019 to till date** (File No: 09/013(0672)/2017-EMR-1 dated April 09, 2019).
- Awarded **CSIR-UGC (NET) JUNIOR RESEARCH FELLOWSHIP** from **January 02, 2017 to January 31, 2019** (File No: 09/013(0672)/2017-EMR-1 dated May 09, 2017).
- Qualified the **Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET)** held on **June 19, 2016** for the award of JUNIOR RESEARCH FELLOWSHIP and secured **068/0537 rank** in the subject MATHEMATICAL SCIENCES.
- Qualified **GATE – 2015** in **Mathematics** and scored 318 all India rank.

### **Academic Visit Abroad**

- Attended a conference entitled “**The Joint Conference of the International Conference on Nonlinear Analysis and Convex Analysis and the International Conference on Optimization: Techniques and Applications (NACA-ICOTA2019)**” organized by **Future University Hakodate (FUN), Hakodate, Japan** from **August 26-31, 2019** and also presented a paper in the conference NACA-ICOTA2019 titled “**On nonsmooth semi-infinite optimization involving generalized convexity**”.

### **Research Papers**

- Jaisawal, P., Antczak, T. and Laha. V., On Sufficiency and Duality for Semi-Infinite Multiobjective Optimization Problems involving V -Invexity, International Journal of Mathematics in Operational Research, 18 (4); 465-483; 2021; DOI: 10.1504/IJMOR.2020.10031175.
- Jaisawal, P. and Laha, V., On Optimality and Duality for Nonsmooth Robust Multiobjective Semi-Infinite Programming Problems with Mixed Constraints, Linear and Nonlinear Analysis, 7 (3), 365-386, 2021.
- Jaisawal, P., Singh, H. N. and Laha, V., On Nonsmooth Minimax Semi-Infinite Programming Problems with Mixed Constraints, Proceedings of The Joint 11th International Conference on Nonlinear Analysis and Convex Analysis and International Conference on Optimization: Techniques and Applications (NACA-ICOTA 2019), 127-147, 2019.
- Jaisawal, P., Laha, V. and Mishra, S. K., On Sufficiency and Duality for Nonsmooth Semi- Infinite Problems with Mixed Constraints in terms of Michel-Penot Subdifferentials; In, Treanta, S., Recent Advances in Nonlinear Analysis and Optimization with Applications 119-138, Cambridge Scholars Publishing, 2020.

### **Paper Presentations in International Conferences**

- I have presented my paper entitled as “On semi-infinite optimization problems under the generalized convexity: in **International Conference on Analysis and its Application (ICAA-17)** held at **Department of Mathematics, Aligarh Muslim University, Aligarh, India** from **November 20-22, 2017**.
- I have presented my paper entitled as “On sufficiency and duality for multiobjective programming problems using convexificators” in **International Symposium on Operations Research and Game Theory: Modeling and Computation** held at **Indian Statistical Institute Delhi Centre, India** from **January 09-11, 2018**.

- I have presented my paper entitled as “Convexificators on vector valued optimization problems under generalized invexity assumptions” in **International Conference on Mathematical Sciences and Applications (ICMSA-2018)** held at **Department of Pure and Applied Mathematics, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India** from **February 23-25, 2018**.
- I have presented my paper entitled as “On duality for semi-infinite multiobjective programming problems involving generalized convexity in terms of Clarke subdifferentials” in **International Conference on Frontiers in Industrial & Applied Mathematics** held at **Department of Mathematics, National Institute of Technology, Hamirpur, H.P., India** in collaboration with **Indian Society of Industrial & Applied Mathematics** from **April 26-27, 2018**.
- I have presented my paper entitled as “On sufficiency and duality for nonsmooth nonconvex semi-infinite programming problems in terms of Michel-Penot subdifferentials” in **Indo-French Seminar on Optimization, Variational Analysis and Applications** held at **Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, India** from **February 02-04, 2020**.

### **Paper Presentations in National Conferences**

- I have presented my paper entitled as “On scalar semi-infinite programming problems” in **33rd Annual National Conference of The Mathematical Society- BHU on Recent Advances in Mathematical Modeling and Analysis** held at **Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi - 221005, India** from **February 16-17, 2018**.
- I have presented my paper entitled as “On nonsmooth minimax semi-infinite programming problems with mixed constraints” in **36th Annual National Conference of The Mathematical Society- BHU on New Challenges Emerging in Mathematical Sciences (NCEMS-2021)** held at **Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi - 221005, India** from **February 06-07, 2021**.

### **Workshops attended**

- I have attended a Two week GIAN Workshop on **Optimization: Applications, Algorithms and Computation** held during **September 12 - 24, 2016** organized by **MHRD, Government of India** in the **Jabalpur Engineering College, Jabalpur, M.P., India**.
- I have attended a Ten days GIAN Workshop on **Multi-objective Optimization** held during **December 15 - 23, 2016** organized by **MHRD, Government of India** in **IIT Patna, Patna, Bihar, India**.
- I have attended a One Week National Workshop on **LaTeX and MATLAB Indispensable Tools for Researchers** held during **July 31-August 5, 2017** in the **Department of Applied Sciences, Guru Kashi University, Talwandi Sabo, Distt. Bathinda, Punjab, India**.
- I have attended an International Workshop on **Convex Analysis and Optimization (IWCAO-2017)** held during **November 14-19, 2017** in the **Department of Mathematics, Aligarh Muslim University, Aligarh, India**.
- I have attended a Workshop on **Exploring Some Applications of Mathematical Sciences** held during **January 19-20, 2019** in the **Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, India**.

## **Computer Skill Set**

- Programming Language: PASCAL, FORTRON, MATLAB, LATEX.
- Software Package: MS Office.

## **Declaration**

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

(Pushkar Jaisawal)