

Shashi Kant Mishra-Brief Curriculum Vitae

Date and place of birth: January 8, 1967; Varanasi, India

Current Position: Professor

Department of Mathematics

Institute of Science

Banaras Hindu University

Varanasi-221005

India

Email: bhu.skmishra@gmail.com; Phone: 9935957469

Highest Degree: D. Sc., Ph. D.

Total Citations: 2132

h-Index: 24

i10-Index: 60

Research Gate Score: 34.63

Research Gate Percentile: 92.5%

Academic Qualifications (beginning from the first degree received):

S. No.	Degree/Course	Year	Name of University
1.	H.Sc.	1981	U.P. Board, Allahabad
2.	I.Sc.	1983	U.P. Board, Allahabad
3.	B.Sc	1985	Agra University, Agra
4.	M.Sc.	1987	Agra University, Agra
5.	M.Sc.	1990	Concordia University, Montreal, Canada
6.	Ph.D.	1995	IIT-BHU, Varanasi
7.	D.Sc.	2002	Dr. BRA University (Formerly Agra University)

Employment History

S. No.	Position	Institution	Duration	
			From	To
1.	Lecturer	Raja Balwant Singh College, Agra	03/1999	01/2003
2.	Associate Professor	G. B. Pant University of Agriculture and Technology, Pantnagar	01/2003	03/2008
3.	Associate Professor	Department of Mathematics, BHU, Varanasi	03/2008	03/2014
4.	Professor	Department of Mathematics, BHU, Varanasi	03/2014	Present

Teaching experience (from date of first appointment):

Sl. No.	Topics / Subjects taught	Institution	Years taught (yyyy to yyyy)	Level (UG/PG)
1.	Calculus	Raja Balwant Singh College, Agra	1999 to 2003	UG
2.	Linear Programming	Raja Balwant Singh College, Agra	1999 to 2003	UG

3.	Vector Calculus	Raja Balwant Singh College, Agra	1999 to 2003	UG
4.	Engineering Mathematics	G. B. Pant University of Agriculture and Technology, Pantnagar	2003 to 2008	UG
5.	Functional Analysis	G. B. Pant University of Agriculture and Technology, Pantnagar	2003 to 2008	PG
6.	General Topology	G. B. Pant University of Agriculture and Technology, Pantnagar	2003 to 2008	PG
7.	Algebra	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	UG
8.	Calculus	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	UG
9.	Real Analysis (Measure Theory and Functions of Several Variables)	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	PG
10.	Partial Differential Equations	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	UG
11.	Introduction to Optimization	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	PG
12.	Generalized Convexity and Optimization	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	PG
13.	Foundations of Optimization	Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi	2008 to Present	PG

Any recognition / honour at state / national level received

- Young Scientist of the Department of Science and Technology, Government of India, Ministry of Science and Technology, Government of India (2001-2002) for Independent research in newly emerging and frontier areas of science and engineering

Member

- Academic Council-Jawahar Lal Nehru University, New Delhi (From May 2016 to November-2019)
- Selection Committee Aligarh Muslim University-May, 2016
- Selection Committee North East Regional Institute of Science and Tech.- September 2016
- Selection Committee Vanasthali Vidyapeeth, Rajasthan- July 2014
- Selection Committee V. B. Singh Purvanchal Univ., Jaunpur-July 2015

Foreign University Visits:

- Fields Institute for Research in Mathematical Science, **Toronto, Canada**, June-July 2017
- Toulouse Institute of Mathematics, Paul Sabatier University, **Toulouse, France**, June 2016
- Chang Gung University, **Taipei, Taiwan**, Aug 2015
- University of Lorraine, **Metz, France**, June 2013
- Muroran Institute of Technology, **Japan**, March 2012
- Yuan Ze University, **Taipei, Taiwan**, April 2012
- City University of Hong Kong, **Hong Kong**, April 2012.
- University Paul Verlaine, **Metz, France**, June 2011 International University, **Ho Chi Minh City, Vietnam**, May 2011
- University Paul Verlaine, **Metz, France**, June 2010
- Institute of Mathematics, Vietnamese Academy of Sc. and Tech., **Hanoi, Vietnam**, May 2010
- Chinese University of Hong Kong, **Hong Kong**, March 2010
- Muroran Institute of Technology, Hokkaido, **Japan** Feb. 2009
- Department of Mathematics and Computer Science, Kuwait University, **Kuwait**, June 2009
- City University of Hong Kong, **Hong Kong**, May 2009
- City University of Hong Kong, **Hong Kong**, June 2005 to May 2007
- Chinese Academy of Sciences, **Beijing**, 2005
- National University of **Singapore**, November 2005
- City University of Hong Kong, **Hong Kong**, Nov.-Dec. 2002.

Visiting Scholars Hosted

- Prof. Juan Enrique Martinez-Legaz, Autonomous University of Barcelona, **Spain** Dec. **2012**
- Prof. Nicolas Hadjisavvas, Aegean University, **Greece** Dec. **2012**
- Prof. Sy-Ming Guu, Yuan Ze University, Taipei, **Taiwan** Dec. **2012**
- Prof. Franco Giannessi, University of **Pisa, Italy**, **2011**
- Prof. Gabor Kassay, Universitatea Babes-Bolyai Cluj-Napoca, **Romania**, **2011**
- Prof. D. Aussel, University of Perpignan, **France**, **2011**

- Prof. Juan Enrique Martinez-Legaz, Autonomous University of Barcelona, **Spain, 2010**
- Prof. Tetsuzo Tanino, Osaka University, **Japan, 2010**
- Prof. Phan Q. Khanh, International University, Ho Chi Minh City, **Vietnam, 2009**

Foreign Collaborators:

- Prof. Norma G. Rueda, Merrimack, **USA**
- Prof. Hoai An Le Thi, University Lorraine, Metz, **France**
- Prof. Dinh The Luc, University of Avignon, Avignon, **France**
- Prof. Pham Dinh Tao, National Institute for Applied Sciences-Rouen, **France**
- Prof. Pierre Marechal, Toulouse Institute of Mathematics, Toulouse, **France**
- Prof. L. Coladas Uria, Universidad de Santiago de Compostela, Madrid, **Spain** Prof. G. Giorgi, University of Pavia, **Italy**
- Prof. Sy-Ming Guu, Chang Gung University, Taipei, **Taiwan**
- Prof. Jianming Shi, Tokyo University of Science, Tokyo, **Japan**
- Prof. Kin Keung Lai, City University of Hong Kong, **Hong Kong**
- Prof. Shou-Yang Wang, Chinese Academy of Sciences, Beijing, **China**
- Prof. Ram N. Mohapatra, University of Central Florida, **USA**
- Prof. Ram U. Verma, Texas A & M Univ., **USA**
- Prof. N. D. Yen, Hanoi Institute of Mathematics, Hanoi, **Vietnam**
- Prof. Atulya Nagar, Liverpool Hope University, Liverpool, **UK**
- Dr. Lianbo Gao, Muroran Institute of Technology, Muroran, **Japan**
- Dr. Bader Al-Shamary, University of Kuwait, **Kuwait**
- Dr. Abdelouahed Hamdi, University of Kuwait, **Kuwait**

Membership of Professional Bodies:

- Member of the International Society on Multiple Criteria Decision Making, <http://www.mcdmsociety.org/news.html#Elections2011>, since 1997
- Member of the Working group of Generalized Convexity, www.genconv.org, since 1994.
- Member of Pacific Optimization Research Activity Group, <http://158.132.174.242/pop/>, since 2000.
- Life member of Indian Mathematical Society, India

Ph D Students (Awarded):

- **Dr. Kunwar Vijay Kumar Singh**, 2019, Thesis title “Some Contributions to Mathematical Problems with Equilibrium Constraints”
- **Dr. Pooja Gupta**, 2019, Thesis title “A contribution to Semiinfinite Optimization Problems and Variational Inequalities ”
- **Dr. Bhuwan Chandra Joshi**, 2018, Thesis title “Some Contributions to Nonlinear Optimization Problems and Variational Inequalities” **Assistant Prof. Graphic Era University, Bareilly, Uttra khand**
- **Dr. Yadvendra Singh**, 2017, Thesis title “Some Contributions to Mathematical Programming Problems with Equilibrium, Vanishing and Infinitely many Constraints” **Assistant Professor, Chaudhary Mahadeo Prasad Degree College, A Constituent Postgraduate College of Central University of Allahabad, Prayagraj.**
- **Dr. Yogendra Pandey**, Awarded in 2016, Thesis title “Some contributions to Mathematical Programmes with Equilibrium Constraints and Robust Optimization Problems”. Presently **Assistant Professor, Satish Chandra College, Ballia-277001, India.**
- **Dr. Vivek Laha**, Awarded in 2015, Thesis Title “Some Contributions to Optimization Problems and Variational Inequalities involving Approximate and Generalized Convexity” Presently **Assistant Professor, Institute of Science, Banaras Hindu University, Varanasi, India.**
- **Dr. Balendu Bhooshan Upadhyay**, Awarded in 2014, Thesis title “A Study on Nonlinear Programming Problems and Variational Inequalities involving Generalized Convexity”. Presently **Assistant Professor, IIT Patna, India.**
- **Dr. Monika Jaiswal**, Awarded in 2013, Thesis title “Optimality and Duality for Nonlinear Semi-infinite Programming Problems” Presently **NBHM PDF at I. I. Sc. Bangalore**, India, She got “**Charpak Ph D Fellowship 2012**” of the Embassy of France to work with Prof. Le Thi Hoai An at the LITA, **Lorraine University, France.**
- **Dr. Pankaj**, Awarded in 2012, Thesis Title “Optimality and Duality in N-Set Optimization Involving Generalized Convexity”. Presently **Assistant Professor, MMV, Banaras Hindu University, Varanasi, India.**
- **Dr. Vinay Singh**. Ph D. Awarded in 2010, Thesis title “Some Contributions to Multiobjective Optimization Problems Involving Generalized Convexity”. Presently **Assistant Professor, NIT Aizol, Mizoram, India.**

Organizations of Conferences and workshops:

- 2016 **National Conference on Analysis and Applications**, during Feb. 5-7, 2016, At Department of Mathematics, Institute of Science, BHU, Varanasi, India
- 2011 Organized and **An Advanced Training Programme on Optimization Applications**, during Nov. 23-29, 2011 at DST-CIMS, BHU
- 2010 Organized an **International Conference on Optimization and Its Applications** during Feb. 16-18, 2010, Department of Mathematics, BHU Varanasi, India
- 2009 Organized **IEEE2009 International Joint Conference on Computational Sciences and Optimization**, during April 24-26, 2009 at Yuhai International resort, Sanya, Hainan, China.
- 2009 Organized an **Advanced Training Programme on Nonconvex Optimization and Its Applications** for M. Phil. And beginner Ph. D. students of India, at Banaras Hindu University, Varanasi, India, during March 22-26, 2009.
- 2001 Organized an **International Conference on Optimization Techniques and Its Applications** during Sept. 21-23, 2001, at Hotel Holiday Inn, Agra, India.

Talks presented at selected conferences and workshops:

- Workshop on Modern Convex Optimization, July 4-7, 2017, **Fields Institute, University of Toronto, Canada.**
- International Conference in Optimization Theory and Applications, Jan. 29-30, 2016, **University of Delhi.**
- International Workshop on Nonlinear Analysis and Variational Inequalities, Aug. 2015, **Kaohsiung, Taiwan**
- International Symposium on Applied Optimization and Game Theoretic Models, Jan. 9-11, 2013 at **ISI Delhi Centre.**
- International Conference on Optimization Modeling and Applications, University of Delhi, Nov. 29th -Dec. 1st, 2012, **University of Delhi.**
- International Conference on Analysis and Applications ICAA-2011, **Aligarh Muslim University, Aligarh, India, Nov. 19-21, 2011.**
- International Conference on Advances in Optimization and Related Topics “ADORT-2010” CRM, Autonomous University of Barcelona, **Spain**, during Nov. 29th to Dec. 3rd, 2010.

- Optimization and Learning 2010, Workshop held during June 16-18, 2010 at the LITA, UFR, MIM, Paul Verlaine University of Metz, **France**
- IEEE2009 International Joint Conference on Computational Sciences and Optimization, April 24-26, 2009, Sanya, **Hainan, China** “Convex Functions and Applications to Optimization”.
- ECM2009, International Conference on Engineering and Computational Mathematics, May 27-29, 2009, Polytechnic University, **Hong Kong**, “Penalty Function Method in Invex Optimization”.
- The International Conference on Nonlinear Programming with Applications, May 29th-June 1st, 2006, Fudan University, **Shanghai, China**, “Non-smooth Continuous-time Optimization Problems under Generalized Convexity”.
- WSEAS 9th International Conference on Applied Mathematics, Istanbul, May 27th – May 29th, 2006, **Istanbul, Turkey**, “Non-smooth Continuous-time Multiobjective Optimization Problems with Invexity”.
- 8th International Conference on Generalized Convexity and Generalized Monotonicity, **Milan, Italy** (2005), “Symmetric duality for a class of non-differentiable multi-objective fractional variational problems”.
- 3rd Sino Japanese Optimization Meeting, National University of **Singapore** (2005), “Minimax Fractional Programming involving Type I and related Functions”.
- 5th International Conference on Optimization: Techniques and Applications, Chinese University of **Hong Kong** (2001), “Scalarization Methods for Vector Prevariational Inequality”.
- International Conference on Algebra, Analysis and Topology, **Banaras Hindu University, Varanasi, India** (2001), “Duality for a Nondifferentiable Programming problem with Generalized Invexity”.
- International Conference on Operational Research for Better Tomorrow, **University of Delhi, India** (1998), “Second Order Symmetric Duality with Generalized Convexity”.
- Special Symposium of **Ramanujan Institute of Advanced Studies in Mathematics, Madras, India** (1996), “Invexity in Multicriteria Optimization”

Associate Editor:

1. **OPSEARCH** (Journal of the Operations Research Society of India), 2016-Onwards
2. **International Journal of Operations Research (Taiwan), Operations Research Society of Taiwan, 2009 onwards.**

3. **Analele Universitatii din Bucuresti Seria Matematica**, University of Bucharest, Romania, 2006-2010.
4. **Advances in Nonlinear Variational Inequalities**, International Publications USA, www.internationalpubls.com, 2011 onwards
5. **Yugoslav Journal of Operations Research**, 2012 Onwards, <http://www.yujor.fon.bg.ac.rs/index.php/journal/about/editorialTeam>
6. **Journal of Advanced Research in Optimization**, Institute of Advanced Scientific Research, USA, www.i-asr.com/Journals/jaro/Default.aspx, 2009-onwards.
7. **Transactions on Mathematical Programming and Applications**, USA, 2012 onwards.
8. **Journal of Scientific Research**, BHU, Varanasi, ISSN No. 0447-9483

Managing Editor:

International Journal of Optimization: Theory, methods and Applications,
Global Information Publisher, Hong Kong, www.gip.hk/ijotma/subscription.htm,
2009-onwards.

Guest Editor:

1. Qamarul Hasan Ansari, Nicolas Hadjisavvas and **Shashi Kant Mishra**, [Special Issue: International Conference on Optimization and Its Applications, Banaras Hindu University, Varanasi, India, Feb. 16-18, 2010] *Journal of Global Optimization* **53** (2012) No. 2, 245. **Impact Factor: 1.454**
2. T. Pham Dinh, **Shashi Kant Mishra** and N. D. Yen, [Special Issue: International Conference on Optimization and Its Applications (ICOIA-BHU-2010) held at Banaras Hindu University, Varanasi, India, Feb. 16-18, 2010] *Optimization Letters* **6** (2012), 173. **Impact Factor: 1.01**
3. D. T. Luc and **S. K. Mishra**, [Special issue: International Conference on Computational Science and Optimization (CSO-2009) held in Sanya, Hainan, China, April 24–26, 2009]. *Optimization* **61** (2012), no. 2, 127. **Impact Factor: 0.936**

Books/Monographs/Edited Book:

1. **S. K. Mishra** and G. Giorgi, **Invexity and Optimization**, Nonconvex Optimization and Its Applications, **Vol. 88**, Springer-Verlag, Berlin, 2008.

Times Downloaded: 6,202

Times Cited: 82



2. **S. K. Mishra, S. Y. Wang and K. K. Lai, V-Invex Functions and Vector Optimization**, Springer Optimization and Its Applications **Vol. 14**, Springer, New York, USA, 2008.

Times Downloaded: 3,858

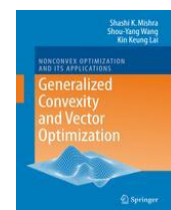
Times Cited: 19



3. **S. K. Mishra, S. Y. Wang and K. K. Lai, Generalized Convexity and Vector Optimization**, Nonconvex Optimization and Its Applications, **Vol. 90**, Springer-Verlag, Berlin, 2009.

Times Downloaded: 8,400

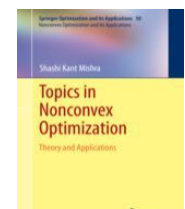
Times Cited: 55



4. **S. K. Mishra, Topics in Nonconvex Optimization: Theory and Applications**, Springer Optimization and Its Applications **Vol. 50**, Springer, New York, USA, 2011.

Times Downloaded: 15,794

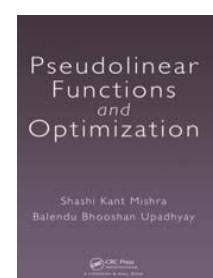
Times Cited: 14



5. **S. K. Mishra and B. B. Upadhyay, Pseudolinear Functions and Optimization**, CRC Press, UK, 2015.

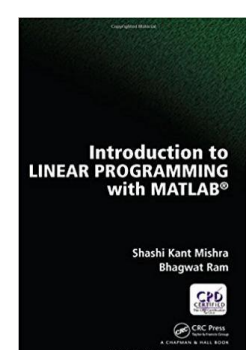
Times Downloaded: 34

Times Cited: 03

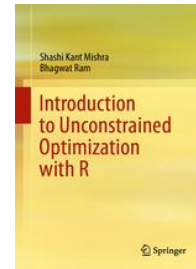


- **S. K. Mishra and Bhagwat Ram, Introduction to Linear Programming with MATLAB**, CRC, UK, 2017.

Times Downloaded: 10



- **S. K. Mishra** and Bhagwat Ram, **Introduction to Unconstrained Optimization with R**, Springer Singapore, 2019



Role in participating on online portal(in developing a course, lectures, articles etc.)

- Two sub-chapters, Chapter 1 (Introduction) and Chapter 7 (Duality) of Textbook “Introduction to Linear programming with MATLAB (eBook ISBN: 9781315104003)” are included on Online Portal: Teaching and Learning material on Sustainable Development Goals
(Website :<https://www.taylorfrancis.com/sdgo/search?key=9781315104003>)
- Matlab and Simulink based book: Introduction to linear programming with MATLAB
(Website:<https://in.mathworks.com/academia/books/introduction-to-linearprogramming-with-matlab-mishra.html>)

Refereed Journal Publications(Total No is 176, see Mathscinet):

1. **S. K. Mishra**, Nidhi Sharma (2019); On strongly generalized convex functions of higher order, *Mathematical Inequalities and Applications*, 22(1), DOI: [10.7153/mia-2019-22-08](https://doi.org/10.7153/mia-2019-22-08).
Impact Factor: 0.649
2. Kunwar V. K. Singh, **S. K. Mishra** (2019); On multiobjective mathematical programming problems with equilibrium constraints, *Appl. Math. Inf. Sci. Lett.*, 7(1), 17-25.
3. S. K. Porwal, **S. K. Mishra** (2018); Geodesic semilocal E-convex functions on Riemannian manifolds, *J. Inf. Optim. Sci.* **39**(8), 1717-1733.
4. Gupta, P.; **Mishra, S. K.**; Mohapatra, R. N. (2018); Duality models for multiobjective semi-infinite fractional programming problems involving type-I and related functions, *Quaestiones Mathematicae* 10.2989/16073606.20, 1-12. **Impact Factor: 0.428**
5. Yogendra Pandey and **S. K. Mishra** (2018), Optimality conditions and duality for semi-infinite mathematical programming problems with equilibrium constraints using convexificators, *Ann Oper Res* **269**, No. 1-2, 549-564. **Impact Factor: 1.709**
6. Pooja Gupta and **S. K. Mishra** (2018), On Minty variational principle for nonsmooth vector optimization problems with generalized approximate convexity, *Optimization*, **67**, No. 8, 1157-1167. **Impact Factor: 0.943**

7. **Mishra, S. K.;** Singh, Y.; Verma, R. U. (2018): Saddle Point Criteria in Nonsmooth Semi-Infinite Minimax Fractional Programming Problems, *Journal of Systems Science and Complexity* **31** (2), 446-462. **Impact Factor: 0.530**
8. Shahi, A.; **Mishra, S. K.** (2018): Pseudoinvex functions on riemannian manifolds and applications in fractional programming problems, *UPB Scientific Bulletin, Ser. A: Applied Mathematics and Physics* **80** (3), 55-64. **Impact Factor: 0.461**
9. Sy-Ming Guu, Y. Singh and **S. K. Mishra** (2017), On strong KKT type sufficient optimality conditions for multiobjective semi-infinite programming problems with vanishing constraints, *Journal of Inequalities and Applications*, Paper No. **282**, pp. 9. **Impact Factor: 0.791**
10. Y. Singh, Y. Pandey and **S. K. Mishra** (2017), Saddle point optimality criteria for mathematical programming problems with equilibrium constraints, *Operations Research Letters*, **45**, 254-258. **Impact Factor: 0.657**
11. Vivek Laha and **S. K. Mishra** (2017), On vector optimization problems and vector variational inequalities using convexificators, *Optimization*, **66**, no. 11, 1837-1850. **Impact Factor: 0.943**
12. **S. K. Mishra** and Yogendra Pandey (2017), On Optimality and Duality for Robust Multiobjective Optimization Problems, *Pacific Journal of Optimization* **13**, no. 1, 105-122. **Impact Factor: 0.543**
13. Vivek Laha, Amod Kumar and **S. K. Mishra** (2017), On Interval-valued η – pseudolinear Optimization Problems, *Comm. Appl. Nonlinear Anal.* **24**, no. 3, 74-89.
14. B. B. Upadhyay, R. N. Mohapatra and **S. K. Mishra** (2017), On Relationships between Vector Variational Inequality and Nonsmooth Vector Optimization Problems via strict minimizers, *Adv. Nonlinear Var. Inequal.* **20**, no. 2, 1-12.
15. Y. Singh, **S. K. Mishra** and K. K. Lai (2017), Optimality and Duality for Nonsmooth Semi-infinite Multiobjective Programming with Support functions, *Yugoslav J. Oper. Res.* **27**, no. 2, 205-218.
16. Vivek Laha, S. K. Mishra and R. U. Verma (2017), On Strict Vector Variational Inequalities, *Adv. Nonlinear Var. Inequal.* **20**, no. 1, 11-25.
17. Y. Pandey and **S. K. Mishra** (2016), Duality for Nonsmooth Mathematical Programming Problems with Equilibrium Constraints using Convexificators, *Journal of Optimization Theory and Applications* **171**, 694-707. **Impact Factor: 1.289**
18. **S. K. Mishra**, Vinay Singh and Vivek Laha (2016), On Duality for Mathematical Programs with Vanishing Constraints, *Ann Oper Res* **243**(1-2), 249-272, **Impact Factor: 1.709**
19. Y. Pandey and **S. K. Mishra** (2016), On strong KKT type sufficient optimality conditions for nonsmooth multiobjective semi-infinite mathematical programming problems with equilibrium constraints, *Operations Research Letters* **44**, no. 1, 148-151, **Impact Factor: 0.657**

20. Al-Shamary, Bader; **Mishra, S. K.**; Laha, Vivek (2016), On approximate starshapedness in multiobjective optimization. *Optim. Methods Softw.* **31**, no. 2, 290–304. **Impact Factor: 1.023**
21. Sy-Ming Guu, **S. K. Mishra** and Y. Pandey 2016, Duality for nonsmooth mathematical programming problems with equilibrium constraints, *Journal of Inequalities and Applications*, Paper No. **28**, pp. 9. **Impact Factor: 0.791**
22. **S. K. Mishra** and Vivek Laha (2016), On Minty Variational Principle for Nonsmooth Vector Optimization Problems with Approximate Convexity, *Optimization Letters* **10**, no. 3, 577–589. **Impact Factor: 1.310**
23. Tadeusz Antczak, **S. K. Mishra** and B. B. Upadhyay (2016), First order Duality results for a new class of Nonconvex Semi-infinite Minimax Fractional Programming Problems, *J. Adv. Math. Stud.* **9**, no. 1, 132–162.
24. **Mishra, S. K.**; M. Jaiswal (2015), **Optimality** conditions and duality for semi-infinite mathematical programming problem with equilibrium constraints. *Numer. Funct. Anal. Optim.* **36**, no. 4, 460–480. **Impact Factor: 0.852**
25. **S. K. Mishra**; K. K. Lai and Vinay Singh (2015), Optimality and duality for minimax fractional programming with support function under (C, α, ρ, d) -convexity. *J. Comput. Appl. Math.* **274**, 1–10. **Impact Factor: 1.357**
26. Vivek Laha, **S. K. Mishra** and Vinay Singh (2015), On Characterizing the blunt Minimizers of epsilon Convex Programs, *J. Nonlinear Convex Analysis* **16**, no. 2, 321–329. **Impact Factor: 0.642**
27. B. B. Upadhyay and **S. K. Mishra** (2015), Nonsmooth Semi-infinite Minmax Programming involving generalized (φ, ρ) – invexity, *J. Syst. Sci. Complex.* **28**, no. 4, 857–875. **Impact Factor: 0.556**
28. **S. K. Mishra**, M. Jaiswal and H. A. Le The (2015), Optimality and Duality for Minimax Fractional Programming with support function under (C, α, ρ, d) – convexity, *J. Syst. Sci. Complex.* **28**, no. 1, 457–59. **Impact Factor: 0.556**
29. M. Jaiswal and **S. K. Mishra** (2015), Optimality Conditions and Duality for Semi-infinite Programming with generalized (C, α, ρ, d) – convexity, *Ann. Univ. Buchar. Math. Ser.* **6(LXIV)**, no. 1, 83–98.
30. **S. K. Mishra**, Vinay Singh, Vivek Laha and R. N. Mohapatra (2015), On Constraint Qualifications for Multiobjective Optimization Problems with Vanishing Constraints. *Optimization Methods, Theory and Applications*, 95–135, Springer, Heidelberg.
31. **S. K. Mishra** and S. K. Porwal (2015), On Sufficiency for Semi-infinite Multiobjective Fractional Programming Problems using generalized (α, η, ρ) – V – univex functions, *Comm. Appl. Nonlinear Anal.* **22**, no. 4, 29–48.
32. **S. K. Mishra** and B. B. Upadhyay (2014), Nonsmooth minimax fractional programming involving η -pseudolinear functions. *Optimization* **63**, no. 5, 775–788.
Impact Factor: 0.943

33. **S. K. Mishra**, B. B. Upadhyay and Hoai An Le Thi (2014), Lagrange multiplier characterizations of solution sets of constrained nonsmooth pseudolinear optimization problems. *J. Optim. Theory Appl.* **160**, no. 3, 763–777. **Impact Factor: 1.289**
34. Vivek Laha, Bader Al-Shamary and **S. K. Mishra** (2014), On Nonsmooth V-invexity and Vector Variational-Like Inequalities in terms of the Michel-Penot Subdifferentials, *Optimization Letters* **8**, no. 5, 1675-1690. **Impact Factor: 1.310**
35. Hachem Slimani and **S. K. Mishra** (2014), Multiobjective Fractional Programming involving generalized Semilocally V-type I-preinvex and related functions, *Int. J. Math. Math. Sci.* 2014 Art. ID 496149, 12pp.
36. **S. K. Mishra** and Vivek Laha (2013), On approximately star-shaped functions and approximate vector variational inequalities. *J. Optim. Theory Appl.* **156**, no. 2, 278–293. **Impact Factor: 1.289**
37. **S. K. Mishra** and B. B. Upadhyay (2013), Some relations between Vector Variational Inequality Problems and Nonsmooth Vector Optimization Problems using quasi-efficiency, *Positivity* **17**, no. 4, 1071-1083. **Impact Factor: 0.661**
38. **S. K. Mishra** and Vivek Laha (2013), A note On approximately star-shaped functions and approximate vector variational inequalities. *J. Optim. Theory Appl.* **159**, no. 2, 554–557. **Impact Factor: 1.289**
39. **S. K. Mishra**, M. Jaiswal and R. U. Verma (2013), Optimality and Duality for Nonsmooth Multiobjective Fractional Semi-infinite Programming Problems, *Adv. Nonlinear Var. Inequal.* **13**, no. 1, 69-83.
40. **S. K. Mishra** and Yogendra Pandey (2013), On Sufficiency for Mathematical Programming Problems with Equilibrium Constraints, *Yugosl Journal of Operations Research* **23**, no. 2, 173-182.
41. **S. K. Mishra** and Vivek Laha (2013), On generalized Minty and Stampacchia Vector Variational-Like Inequalities and V-invex Vector Optimization in Asplund spaces, *Adv. Nonlinear Var. Inequal.* **16**, no. 2, 43-60.
42. **S. K. Mishra**, M. Jaiswal and Pankaj (2012), Optimality conditions for multiple objective fractional subset programming with (ρ, σ, θ) -type-I and related non-convex functions. *Calcolo* **49**, no. 3, 177–192. **Impact Factor: 1.407**
43. **S. K. Mishra**, M. Jaiswal and H. A. Le Thi (2012), Nonsmooth semi-infinite programming problem using limiting subdifferentials. *J. Global Optim.* **53**, no. 2, 285–296. **Impact Factor: 1.733**
44. **S. K. Mishra**, M. Jaiswal and H. A. Le Thi (2012), Duality for nonsmooth semi-infinite programming problems. *Optim. Lett.* **6**, no. 2, 261–271. **Impact Factor: 1.310**
45. L. Gao, **S. K. Mishra** and Jianming Shi (2012), An extension of Branch-and-Bound algorithms for solving sum-of-nonlinear-ratios problem, *Optimization Letters* **6**, no. 2, 221-230. **Impact Factor: 1.310**
46. **S. K. Mishra** and Vivek Laha (2012), On V-r-invexity and Vector Variational Inequalities, *FILOMAT* **26**, no. 5, 1065-1073. **Impact Factor: 0.695**

47. **S. K. Mishra** and Monika Jaiswal (2012), Optimality conditions and duality for nondifferentiable multiobjective semi-infinite programming, *Vietnam Journal of Mathematics* **40**, no. 2-3, 331-343.
49. **S. K. Mishra** and B. B. Upadhyay (2012), Efficiency and Duality in Nonsmooth Multiobjective Fractional Programming involving η – Pseudolinear Functions, Yugoslav Journal of Operations Research **22**, no. 1, 3-18.
50. **S. K. Mishra** and Vinay Singh (2012), Vector Variational-Like Inequalities and Nonsmooth Optimization Problems with support functions, *Advances in Nonlinear Variational Inequalities* **15**, no. 2, 55-61.
51. **S. K. Mishra**, K. Shukla and Ram U. Verma (2012), Minimax fractional integral programming problems involving univexity, *Dynamics of Continuous, Discrete and Impulsive Systems, Series A: Mathematical Analysis* **18**, no.3, 335-355.
52. M. Jaiswal, **S. K. Mishra** and Bader Al Shamary (2012), Optimality conditions and duality for semi-infinite programming involving semilocally type-I preinvex and related functions, *Commun. Korean Math. Soc.* **27**, no. 2, 411-423.
53. **S. K. Mishra** and Ram U. Verma (2012), Generalized (rho, eta, theta)-Invex Functions and optimality conditions for multiple objective fractional subset programming, *Advances in Nonlinear Variational Inequalities* **15**, no. 1, 73-87.
54. **S. K. Mishra**, R. N. Mohapatra and E. A. Youness (2011), Some properties of semi E -b -vex functions. *Appl. Math. Comput.* **217**, no. 12, 5525–5530. **Impact Factor: 2.300**
55. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2011), Higher-order duality for a class of nondifferentiable multiobjective programming problems involving generalized type-I and related functions, *Journal of Systems Science and Complexity* **24**, no. 5, 883-891. **Impact Factor: 0.556**
56. **S. K. Mishra** and N. G. Rueda (2011), Generalized invexity-type conditions in constrained optimization, *Journal of Systems Science and Complexity* **24**, no. 2, 394-400. **Impact Factor: 0.556**
57. **S. K. Mishra** and A. K. Singh (2011), Optimality and duality for nondifferentiable minimax fractional optimization problems with generalized invexity, *Annals of the University of Bucharest (Mathematical Series)* **2(LX)**, no. 1, 3-11.
58. **S. K. Mishra**, Vivek Laha and Ram U. Verma (2011), Generalized Vector Variational-Like Inequalities and Nonsmooth Vector Optimization of Radially (eta, alpha)-continuous functions, *Advances in Nonlinear Variational Inequalities* **14**, no. 2, 1-18.
59. **S. K. Mishra** and A. K. Singh (2011), On Optimality and Duality for Nondifferentiable Minimax Fractional Optimization Problems with generalized Convexity, *Comm. Appl. Nonlinear Anal.* **18**, no. 2, 99-106.
60. **S. K. Mishra** and Kalpana Shukla (2010), Nonsmooth minimax programming problems with V -r -invex functions. *Optimization* **59**, no. 1, 95–103. **Impact Factor: 0.943**

61. **S. K. Mishra**, J. S. Rautela and R. P. Pant (2010), Optimality and Duality in Complex Minimax Optimization under generalized α -invexity, *Journal of Nonlinear and Convex Analysis* **11**, no. 2, 357-368. **Impact Factor: 0.642**
62. **S. K. Mishra**, Vinay Singh, S. Y. Wang and K. K. Lai (2010), Optimality and duality for nonsmooth multiobjective optimization problems with generalized V-r-invexity, *Journal of Applied Analysis* **16**, no. 1, 49-58
63. **S. K. Mishra**, M. Jaiswal and Pankaj (2010), Optimality Conditions for multiple objective fractional subset programming with invex and related non-convex functions, *Communications on Applied Nonlinear Analysis* **17**, no. 3, 89-101.
64. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2009), Symmetric duality for minimax integer programming problems with pseudo-invexity. *European J. Oper. Res.* **198**, no. 1, 37–42.
Impact Factor: 3.297
65. **S. K. Mishra**, R. P. Pant and J. S. Rautela (2009), Generalized α -univexity and duality for nondifferentiable minimax fractional programming. *Nonlinear Anal.* **70**, no. 1, 144–158.
Impact Factor: 1.192
66. **S. K. Mishra** and J. S. Rautela (2009), On Nonlinear multiple objective fractional programming involving semilocally type- I univex functions, *Optimization Letters* **3**, no. 2, 171-185. **Impact Factor: 1.310**
67. **S. K. Mishra** and J. S. Rautela (2009), On Nondifferentiable Minimax Fractional Programming under generalized α – type I invexity, *J. Appl. Math. Comput.* **31**, no. 2, 317-334.
68. **S. K. Mishra** (2009), Characterization of generalized univex functions, *Analele Universitatii Bucuresti Matematica* **58**, no. 1, 87-96.
69. **S. K. Mishra**, J. S. Rautela and Kalpana Shukla (2009), Nonlinear multiple objective fractional programming involving semi-locally type I- α -preinvex and related functions, *Pan American Mathematical Journal* **19**, no. 3, 51-67.
70. **S. K. Mishra**, J. S. Rautela and Vinay Singh (2009), On Nonsmooth Multiobjective Optimization involving generalized G-invexity, *PanAmer. Math. J.* **19**, no. 4, 37-49.
71. **S. K. Mishra**, S. Y. Wang, K. K. Lai and Kalpana Shukla (2009), Minimax Fractional Programming involving type I and related functions, *Int. J. Oper. Res.* **6**, no. 2, 45-54.
72. **S. K. Mishra**, K. Shukla and J. S. Rautela (2009), Optimality and Duality for Nondifferentiable Multiobjective Programming under generalized α – univexity, *An. Univ. Bucuresti Mat.* **58**, no. 2, 239-252.
73. **S. K. Mishra**, J. S. Rautela and R. P. Pant (2009), On Multiple Objective Optimization involving generalized convexity, *Int. J. Oper. Res.* **6**, no. 1, 1-9.
74. Vinay Singh, **S. K. Mishra** and K. K. Lai (2009), Optimality conditions and efficiency in nonsmooth multiobjective programming problems involving V-pseudoinvexity, *International Journal of Optimization: Theory. Methods and Applications* **1**, no. 2, 169-181.

75. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2008), Optimality conditions for multiple objective fractional subset programming with $(\Gamma, \rho, \sigma, \theta)$ -V-type-I and related non-convex functions. *Math. Comput. Modelling* **48**, no. 7-8, 1201–1212. **Impact Factor: 2.15**
76. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2008), Gap function for set-valued vector variational-like inequalities. *J. Optim. Theory Appl.* **138**, no. 1, 77–84. **Impact Factor: 1.289**
77. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2008), On Nonsmooth α – invex functions and Vector Variational-Like Inequality, *Optimization Letters* **2**, no. 1, 91-98. **Impact Factor: 1.310**
78. **S. K. Mishra**, J. S. Rautela and R. P. Pant (2008), On Nondifferentiable Multiobjective Programming involving type-I α – invex functions, *Appl. Math. Inf. Sci.* **2**, no. 3, 317-331. **Impact Factor: 1.232**
79. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2008), Optimality and duality for V -invex non-smooth multiobjective programming problems. *Optimization* **57**, no. 5, 635–641. **Impact Factor: 0.943**
80. **S. K. Mishra**, R. P. Pant and J. S. Rautela (2008), Duality in vector optimization under type 1 α -invexity in Banach spaces. *Numer. Funct. Anal. Optim.* **29**, no. 9-10, 1128–1139. **Impact Factor: 0.852**
81. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2008), Optimality and duality for a nonsmooth multiobjective optimization involving generalized type I functions. *Math. Methods Oper. Res.* **67**, no. 3, 493–504. **Impact Factor: 0.762**
82. **S. K. Mishra** and K. K. Lai (2007), Second order symmetric duality in multiobjective programming involving generalized cone-invex functions. *European J. Oper. Res.* **178**, no. 1, 20–26. **Impact Factor: 3.297**
83. **S. K. Mishra**, S. Y. Wang, K. K. Lai and F. M. Yang (2007), Mixed symmetric duality in non-differentiable multiobjective mathematical programming. *European J. Oper. Res.* **181**, no. 1, 1–9. **Impact Factor: 3.297**
84. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2007), Pseudolinear fuzzy mappings, *European J. Oper. Res.* **182**, 965-970. **Impact Factor: 3.297**
85. **S. K. Mishra**, R. P. Pant and J. S. Rautela (2007), Generalized α -invexity and nondifferentiable minimax fractional programming. *J. Comput. Appl. Math.* **206**, no. 1, 122–135. **Impact Factor: 1.357**
85. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2007), Symmetric duality for a class of nondifferentiable multi-objective fractional variational problems. *J. Math. Anal. Appl.* **333**, no. 2, 1093–1110. **Impact Factor: 1.064**
86. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2007), Generalized type I invexity and duality in nondifferentiable multiobjective variational problems. *Pac. J. Optim.* **3**, no. 2, 309–322. **Impact Factor: 0.543**

87. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2007), Role of α – pseudo-univex functions in Vector Variational-Like Inequality Problems, *J. Syst. Sci. Complex.* **20**, no. 3, 344-349.
Impact Factor: 0.556
88. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2007), Minimax Programming under generalized (p, r) – invexity, *J. Syst. Sci. Complex.* **20**, no. 4, 501-508. **Impact Factor: 0.556**
89. **S. K. Mishra** (2007), Second order mixed symmetric duality in nondifferentiable multiobjective mathematical programming, *Journal of Applied Analysis* **13**, no. 1, 117-132.
90. **S. K. Mishra**, G. Giorgi and K. K. Lai (2007), On Nonsmooth Multiobjective Programming with generalized univexity, *J. Interdiscip. Math.* **10**, no. 5, 681-695.
91. **S. K. Mishra** and G. Giorgi (2007), Vector Optimization involving type I and related functions on Differentiable Manifolds, *An. Univ. Bucuresti Mat.* **56**, no. 1, 39-52.
92. **S. K. Mishra** (2006), **Mond**-Weir type second order symmetric duality in non-differentiable minimax mixed integer programming problems. *European J. Oper. Res.* **170**, no. 2, 355–362.
Impact Factor: 3.297
93. **S. K. Mishra** (2006), **Duality** for multiple objective fractional subset programming with generalized $(\Gamma, \rho, \sigma, \theta)$ -V-type-I. *J. Global Optim.* **36**, no. 4, 499–516. **Impact Factor: 1.733**
94. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2006), Optimality and duality for a multi-objective programming problem involving generalized d -type-I and related n -set functions. *European J. Oper. Res.* **173**, no. 2, 405–418. **Impact Factor: 3.297**
95. **S. K. Mishra** and N. G. Rueda (2006), Second-order duality for nondifferentiable minimax programming involving generalized type I functions. *J. Optim. Theory Appl.* **130**, no. 3, 477–486. **Impact Factor: 1.289**
96. **S. K. Mishra** and S. Y. Wang (2006), Vector variational-like inequalities and non-smooth vector optimization problems. *Nonlinear Anal.* **64**, no. 9, 1939–1945. **Impact Factor: 1.192**
97. **S. K. Mishra** and M. A. Noor (2006), Some nondifferentiable multiobjective programming problems. *J. Math. Anal. Appl.* **316**, no. 2, 472–482. **Impact Factor: 1.064**
98. **S. K. Mishra** and N. G. Rueda (2006), Wolfe-type duality involving univex functions for a minimax programming problem. *J. Nonlinear Convex Anal.* **7**, no. 2, 269–275. **Impact Factor: 0.642**
99. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2006), Mond-Weir type mixed symmetric first and second order duality in non-differentiable mathematical programming. *J. Nonlinear Convex Anal.* **7**, no. 2, 189–198. **Impact Factor: 0.642**
100. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2006), Explicitly B-preinvex fuzzy mappings. *Int. J. Comput. Math.* **83**, no. 1, 39–47. **Impact Factor: 0.971**

101. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2006), Nonsmooth Continuous-Time Multiobjective Optimization Problems with invexity, *WSEAS Trans. Math.* **5**, no. 6, 635-639.
102. **S. K. Mishra** (2005), Non-differentiable higher-order symmetric duality in mathematical programming with generalized invexity. *European J. Oper. Res.* **167**, no. 1, 28–34. **Impact Factor: 3.297**
103. **S. K. Mishra** (2005), Complex minimax programming under generalized type-I functions. *Comput. Math. Appl.* **50**, no. 1-2, 1–11. **Impact Factor: 1.531**
104. **S. K. Mishra** and S. Y. Wang (2005), Second order symmetric duality for nonlinear multiobjective mixed integer programming. *European J. Oper. Res.* **161**, no. 3, 673–682. **Impact Factor: 3.297**
105. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2005), Nondifferentiable multiobjective programming under generalized d -invexity. *European J. Oper. Res.* **160**, no. 1, 218–226. **Impact Factor: 3.297**
106. **S. K. Mishra** and M. A. Noor (2005), On vector variational-like inequality problems. *J. Math. Anal. Appl.* **311**, no. 1, 69–75. **Impact Factor: 1.064**
107. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2005), Multiple objective fractional programming involving semilocally type I-preinvex and related functions. *J. Math. Anal. Appl.* **310**, no. 2, 626–640. **Impact Factor: 1.064**
108. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2005), Optimality and duality for multiple-objective optimization under generalized type I univexity. *J. Math. Anal. Appl.* **303**, no. 1, 315–326. **Impact Factor: 1.064**
109. N. G. Rueda and **S. K. Mishra** (2005), Second and Higher-order generalized invexity and Duality in Multiobjective Programming Problems, *An. Univ. Bucurest Mat.* **54**, no. 2, 257-264
110. M. A. Noor, **S. K. Mishra** and S. Momani (2005), Properties of Approximate preinvex functions, *Nonlinear Anal. Forum* **10**, no. 2, 227-235.
111. **S. K. Mishra**, G. Giorgi and S. Y. Wang (2004), Duality in vector optimization in Banach spaces with generalized convexity. *J. Global Optim.* **29**, no. 4, 415–424. **Impact Factor: 1.733**
112. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2004), Optimality and duality in nondifferentiable and multiobjective programming under generalized d -invexity. *J. Global Optim.* **29**, no. 4, 425–438. **Impact Factor: 1.733**
113. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2004), Complex minimax programming under generalized convexity. *J. Comput. Appl. Math.* **167**, no. 1, 59–71. **Impact Factor: 1.357**
114. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2004), Semistrictly preinvex fuzzy mappings. *Int. J. Comput. Math.* **81**, no. 11, 1319–1328. **Impact Factor: 0.971**

115. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2004), Higher-order Duality for a class of Nondifferentiable Multiobjective Programming Problems, *Int. J. Pure and Appl. Math.* **11**, no. 2, 221-232.
116. **S. K. Mishra**, S. Y. Wang, K. K. Lai and J. M. Shi (2003), Nondifferentiable minimax fractional programming under generalized univexity. *J. Comput. Appl. Math.* **158**, no. 2, 379–395. **Impact Factor: 1.357**
117. **S. K. Mishra** and N. G. Rueda (2003), Symmetric duality for mathematical programming in complex spaces with F -convexity. *J. Math. Anal. Appl.* **284**, no. 1, 250–265. **Impact Factor: 1.064**
118. **S. K. Mishra**, S. Y. Wang, P. Gupta and K. K. Lai (2003), Nonsmooth Minimax Problems under V- ρ - σ -type-I Invexity, *International Journal of Pure and Applied Mathematics* **6**, no. 1, 63-75.
119. **S. K. Mishra**, N. G. Rueda and G. Giorgi (2003), Multiobjective Programming under Generalized type I Univexity", *Analele Universitatii Bucuresti, Seria Matematica* **52**, no. 2, 207-224.
120. **S. K. Mishra**, S. Y. Wang and K. K. Lai (2003), Symmetric Duality in Variational Problems under Pseudo-univexity, *International Journal of Pure and Applied Mathematics* **8**, no. 2, 171-181.
121. **S. K. Mishra** and N. G. Rueda (2002), Higher-order generalized invexity and duality in nondifferentiable mathematical programming. *J. Math. Anal. Appl.* **272**, no. 2, 496–506. **Impact Factor: 1.064**
122. **S. K. Mishra** (2001), Pseudoconvex Complex Minmax Programming, *Indian J. Pure and Applied Mathematics* **32**, 205-213. **Impact Factor: 0.224**
123. **S. K. Mishra** and N. G. Rueda (2001), On Univexity-type Nonlinear Programming Problems, *Bull. Allahabad Math. Soc.* **16**, 105-113.
124. **S. K. Mishra** (2000), Second Order Symmetric Duality with F-Convexity, *European Journal of Operational Research* **127**, no. 3, 507-518. **Impact Factor: 3.297**
125. **S. K. Mishra** (2000), Multiobjective Second Order Symmetric Duality with cone Constraints, *European Journal of Operational Research* **126**, no. 3, 675 – 682. **Impact Factor: 3.297**
126. **S. K. Mishra** and N. G. Rueda (2000), Higher–Order Generalized Invexity and Duality in Mathematical Programming, *Journal of Mathematical Analysis and Applications* **247**, no. 1, 173-182. **Impact Factor: 1.064**
127. **S. K. Mishra** and G. Giorgi (2000), Optimality and Duality with Generalized Semi - Univexity. *OPSEARCH* **37**, no. 4, 340-350.
128. **S. K. Mishra** and R. N. Mukherjee (1999), Multiobjective Control Problems with V-Invexity, *Journal of Mathematical Analysis and Applications* **235**, no. 1, 1-12. **Impact Factor: 1.064**
129. **S. K. Mishra** (1998), On Multiple- objective Optimization with Generalized Univexity,

Journal of Mathematical Analysis and Applications **224**, no. 1, 131-148. **Impact Factor: 1.064**

130. **S. K. Mishra** (1998), Generalized Pseudoconvex Minmax Programming *OPSEARCH* **35**, no. 1, 32-44.
131. **S. K. Mishra** (1997), Second Order Generalized Invexity and Duality in Mathematical Programming, *OPTIMIZATION* **42**, no. 1, 51-69. **Impact Factor: 0.943**
132. **S. K. Mishra** (1997), Generalized Fractional Programming Problems containing Locally subdifferentiable -univex Functions, *OPTIMIZATION* **41**, no. 2, 135-158. **Impact Factor: 0.943**
133. **S. K. Mishra** and R. N. Mukherjee (1997), Constrained Vector Valued Ratio Games and Generalized Subdifferentiable Multiobjective Fractional Minmax Programming, *OPSEARCH* **34**, no. 1, 1-15.
134. **S. K. Mishra** (1997), On Sufficiency and Duality in Nonsmooth Multiobjective Programming, *OPSEARCH* **34**, no. 4, 221-231.
135. **S. K. Mishra** (1996), Generalized Proper Efficiency and Duality for a class of Nondifferentiable Multiobjective Variational Problems with V-Invexity, *Journal of Mathematical Analysis and Applications* **202**, no. 1, 53-71. **Impact Factor: 1.064**
136. R. N. Mukherjee and **S. K. Mishra** (1996), Multiobjective Programming with Semilocally Convex Functions, *Journal of Mathematical Analysis and Applications* **199**, no. 2, 409 – 424. **Impact Factor: 1.064**
137. **S. K. Mishra** (1996), Lagrange Multipliers Saddle points and Scalarizations in Composite Multiobjective Nonsmooth Programming, *OPTIMIZATION* **38**, no. 2, 93-105. **Impact Factor: 0.943**
138. **S. K. Mishra** (1996), On Sufficiency and Duality for Generalized Quasiconvex Nonsmooth Programs, *OPTIMIZATION* **38**, no. 3, 223-235. **Impact Factor: 0.943**
139. **S. K. Mishra** and R. N. Mukherjee (1996), On generalized Convex Multiobjective Nonsmooth Programming, *Journal of Australian Mathematical Society, Series B-38*, no. 1, 140-148. **Impact Factor: 0.333**
140. **S. K. Mishra** and R. N. Mukherjee (1995), Generalized Continuous Non-differentiable Fractional Programming Problems with Invexity, *Journal of Mathematical Analysis and Applications* **195**, no. 1, 191 – 213. **Impact Factor: 1.064**
141. R. N. Mukherjee and **S. K. Mishra** (1995), Generalized Invexity and Duality in Multiple Objective Variational Problems, *Journal of Mathematical Analysis and Applications* **195**, no. 2, 307-322. **Impact Factor: 1.064**
142. **S. K. Mishra** and R. N. Mukherjee (1995), Generalized Convex Composite Multiobjective Nonsmooth Programming and conditional proper Efficiency *OPTIMIZATION* **34**, no. 1, 53 – 66. **Impact Factor: 0.943**
143. **S. K. Mishra** (1995), Pseudolinear Fractional Minmax Programming, *Indian Journal of Pure and Applied Mathematics* **26**, no. 8, 763 – 772. **Impact Factor: 0.224**

144. **S. K. Mishra** and R. N. Mukherjee (1994), Duality for Multiobjective Fractional Variational Problems, *Journal of Mathematical Analysis and Applications* **186**, no. 3, 711 – 275. **Impact Factor: 1.064**
145. **S. K. Mishra** and R. N. Mukherjee (1994), On efficiency and Duality for Multiobjective Variational Problems, *Journal of Mathematical Analysis and Applications* **187**, no. 1, 40 – 54. **Impact Factor: 1.064**
146. R. N. Mukherjee and **S. K. Mishra** (1994), Sufficient Optimality Criteria and Duality for Multiobjective Variational Problems with V – invexity, *Indian Journal of Pure and Applied Mathematics* **25**, no. 8, 801 – 813. **Impact Factor: 0.224**
147. **S. K. Mishra** and R. S. Pathak (1994), Poisson Integral representations of generalized H^p – Functions on Tubes, *Complex Variables* **25**, no. 4, 323 – 336.
148. **S. K. Mishra** and R. N. Mukherjee (1993), Duality for Generalized Convex Multiobjective Programming without a Constraint Qualification, *OPSEARCH* **30**, 336 – 343.
149. R. S. Pathak, **S. K. Mishra** (1989); Asymptotic behaviours of a class of integral transforms in complex domains. *Proc. Edinburgh Math. Soc.* **32**(2), 231-247.

Publications in Refereed Conference Proceedings:

1. Avanish Shahi and **S. K. Mishra**, On geodesic convex and generalized convex functions on Riemannian manifolds, American Institute of Physics Conference Proceedings (PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON FRONTIERS IN INDUSTRIAL AND APPLIED MATHEMATICS (FIAM-2018))1975 (1) 030006-1---030006-8, 2018.
2. Yadvendra Singh and **S. K. Mishra**, Saddle point criteria for semi-infinite programming problems via an η – approximation method, pp. 17-28, in: editors (Samarjit Kar et al.) **Operations Research and Optimization**, Springer Proceedings in Mathematics & Statistics (PROMS) Vol. 225, Springer Nature, Singapore, 2018.
4. **S. K. Mishra** and Yogendra Pandey, Nonsmooth Multiobjective Continuous-time Problems with Invexity and Vector Variational-like Inequalities, Proceedings of the International Conference on Analysis and Applications 2011, AMU, Narosa.**S. K. Mishra**, K. K. Lai, S. M. Guu and K. Shukla, On Sufficient Optimality Conditions for Semi-Infinite Discrete Minmax Fractional Programming Problems Under Generalized V-Invexity, *Recent Contributions in Nonconvex Optimization from India*, pp. 133-146, Springer Optimization and Its Applications Vol. 50, Springer USA, 2011.
5. Y. X. Zhao, S. Y. Wang, L. Coladas Uria and **S. K. Mishra**, A Derivative for Semipreinvex Functions and Its Applications in Semipreinvex Programming, *Recent Contributions in Nonconvex Optimization from India*, pp. 79-86, Springer Optimization and Its Applications Vol. 50, Springer USA, 2011.

6. Abdelouahed Hamdi and **S. K. Mishra**, Decomposition Methods based on Augmented Lagrangian: A Survey, *Recent Contributions in Nonconvex Optimization from India*, pp. 175-204, Springer Optimization and Its Applications Vol. 50, Springer USA, 2011.
7. **S. K. Mishra**, S. Y. Wang, K. K. Lai and J. M. Shi, New Generalized Invexity for Duality in Multiobjective Programming Problems involving N-set Functions, *Generalized convexity, generalized monotonicity and applications*, 321-339, Nonconvex Optim. Appl., 77, Springer, New York, 2005.
8. **S. K. Mishra**, S.Y. Wang and K. K. Lai, Duality in Nonsmooth Optimization. *Analysis and Applications*, 189-193, Allied Publ., New Delhi, 2004.
9. **S. K. Mishra**, S. Y. Wang and K. K. Lai, Pseudo-Linear Fuzzy Mappings, *Fuzzy set Theory and Its Mathematical Aspects and Applications*, (Editor; A. K. Srivastava), *Proceedings of the Indian Society for Fuzzy Mathematics and Information Processing*, Allied Pub. Pvt. Ltd., pp. 140-145, 2003.
10. **S. K. Mishra**, Second Order Symmetric Duality with Generalized convexity, *Operations Research*, Editors, Manju Lata Agrawal and Kanwar Sen, Narosa Publishing House, pp. 261 – 272, 2001.
11. **S. K. Mishra** and N. G. Rueda, Duality for a Non-differentiable Programming Problems with Generalized Invexity. *Geometry, analysis and applications (Varanasi, 2000)*, 383-387, World Sci. Publishing, River Edge, NJ, 2001.
12. **S. K. Mishra** and N.G. Rueda, On Generalized Nonconvex Second Order Duality for Vector Minimization Problems, *Operations Research*, Editors, Manju Lata Agrawal and Kanwar Sen, Narosa Publishing House, pp. 273 – 282, 2001.
13. **S. K. Mishra**, Scalarization Methods for Vector Prevariational Inequality, *Proceedings of the 5th International Conference on optimization: Techniques and Applications*, editor, Duan Li, pp.626-634, 2001.
14. **S. K. Mishra** and G. Giorgi, Optimality and Duality in Non--differentiable Programming with d-Univex and Related Functions, *Proceedings of National Seminar On Applications of Mathematics In Industries and Environment*, Raja Balwant Singh College, Agra, Chapter 13, 73-87, 1998.
15. **S. K. Mishra** and R. N. Mukherjee, Invexity in Multicriteria Optimization : A Survey, in *Approximation theory and Its Applications*, Editor Geetha S. Rao, New Age International Publishers, pp. 197-215, 1996.