Name: Dr. Manjari Srivastava

Department: Mathematics

Current Designation: Professor

Email id: manjari.srivastava@mirandahouse.ac.in

Academic Qualifications:

MSc. Mathematics
BSc. Mathematics

Research Degree(s):

Ph.D.
M.Phil.

Field of Specialization under the Subject/Discipline:

Nonlinear Optimization

Total Teaching Experience:

35 years and 06 months

Teaching at Miranda House since:

35 years

List of Publications
 (Articles in referred/peer-reviewed/UGC Care journals/ Books/Book Chapters)

1. Multi objective Programming Problems Involving Generalized Invexity, JOTA 1994 , 80, 465-482
2. Continuous Time Matrix Programming, JMAA,1993, 175, 280-291
3. Multi objective Fractional Programming Problems Involving (F, Rho) – convex Functions, Proceedings of 1st Annual Conference of Indian Society of Industrial & Applied Mathematics (ISIAM) 1992 Feb 4-7, 1993, 237-241
4. Duality in Multi Objective Fractional Programming Problems Involving Generlized Invexity, OPSEARCH, 1994, 31(2) 127-143
5. Continuous Time Programming, JMMA, 1993,174(1), 280-291
6. Vector Valued Lagrangian and Invexity Type- Multi Objective Programming Problems, OPSEARCH, 1995, 32(4), 266-286
7. Optimality and Duality in Non differentiable Multiobjective Optimization Involving d-Type I and Related Functions, JMMA,1997, 206, 465-479
8. Second Order Duality For multi objective Fractional Programming Problems Involving F-Bonvex and Related Functions , THESIS, 1997
9. Second Order Duality For Multiobjective Linear Programming Involving (F, Rho) – Convexity, THESIS , 1997
10. Second Order Duality For Multi Objective Programming with Square Root Term involving F-Bonvex and related Functions, THESIS, 1997
11. Continuous Time Multi Objective Programming Involving Convexity, THESIS, 1997
12. Second order Duality For Multi objective Programming Involving (F,ρ,σ) Type Functions , OPSEARCH, 2000, 37(4) , 316-326
13. Symmetric Duality for Multi objective Programming using second order (F, ρ) – Convexity, OPSEARCH, 2006, 43(3), 274-295
14. Nonsmooth α-pseudo univexity and Generalized VectorVariational-LikeInequalities, Proceedings of Analysis and Its Applications, 2012, 175-189
15. Various Types of Well Posedness for Mixed QuasiVariational- Like Inequality using BiFunctions, J.Appl.Math.&Informatics, 2014,427-439
16. On Levintin-Polyak α-Well-Posedness of Perturbed Variational HemiVariational Inequality, OPTIMIZATION, 2015, 1153-1172
17. Levintin-Polyak-Well Posedness of IQVI with perterbations Maejo Int. J. Sci. Technol, 2014, 8(3), 264-278
18. Levitin-Polyak α-well posedness of constrained inverse Quasivariational Inequality, Numerical Functional Analysis and Optimization, 2017, 38(1), 91-109
19. Optimality and Duality in Nondifferentiable Multi Objective Fractional Programming using α-univexity, Journal Appl.Math&Informatics,2014, 32, 359-375
20. Optimality and Duality for Non Smooth Multi Objective Programming using G- type I functions, Appl. Math. Compt., 2014, 294-307
21. Constraint Qualifications in Non smooth Multiobjective Optimization Problem, FILOMAT, 2017, 31, 781-797

22. Weak Efficiency of Non smooth MultiobjectiveProgramming via Eta Approximation Method, Maejo Int. J. Sci. Technol.,2015, 9, 82-92
23. Optimality And Duality in Multiobjective Programming Involving Support Functions, RAIRO Operations Research, 2017,51, 433-446
24. Well-posedness and Scalarization in Set optimization Involving Ordering Cones with Possibly Empty Interior, JOGO, 2019, 73, 447-463
25. Approximate Solutions and Levitin-Polyak Well-posedness for Set Optimization Using Weak Efficiency, JOTA, 2020, 186, 191-208
26. Higher order Duality in MinMax Fractional Programming and generalized Alpha- Type I Univexity, Proceeding of International conference of Analysis and Applications, 2012, 53-63
27. Levitin-Polyak well posedness of Generalized bilevel Equilibrium problem with perturbations, OPTIMIZATION, published on line June, 2020.
28. On Levintin- polyak wellposedness and stabilityin set optimization, Positivity, 30 June,2021.

Research Guidance

- Total Ph.D. Supervised   04

  Awarded   02

  Current   02

- Total M.Phil. 03

  Awarded   02

  Current   01

Membership Of Professional Bodies

- Life Member of Operational Research Society of India (ORSI)

- Member Working Group of Generalized Community (WGGC)

Administrative Responsibilities:

- Deputy Coordinator of OBE (2020)

- Bursar (2015-17)

- Coordinator NAAC committee (2015-17)

- Member IQAC (2015-17)

- Ex Officio Member (IQAC) (2017-18)

- Member Empowered committee of Finance

  (Created for implementation of VII pay commission recommendations)

- Deputy Coordinator of Semester Examinations (2014-15)

  Member:

- Extended Admission Committee (2015-17)

- Hostel committee (2015-17)

- Financial Assistance Committee (2015-17)

- Work Load Committee (2019 onwards)

- Office Bearer: Miranda House Staff Association (MHSA 2005-07)

Invited talks/Session chair/Resource person:

- Delivered an Invited Talk in IIM Ahmedabad in the

  52nd Annual Convention of the Operational Research Society of India (ORSI) international Conference, Dec. 15-18, 2019.

- Resource Person in IIT Dhanbad for

  'A short Term Training Program'

  for Research students of M.Phil./Ph.D. , 2017.

- Delivered a Lecture on Business Ethics in

  International program at

HU Business school Utrecht, University of applied sciences,

Utrecht, Netherland, 29 June -July3 , 2015.

Seminars/Workshops/Conferences attended (reverse chronological order):

Synergy

- Invited to judge the interschool competition for Mathematics Projects conducted by Delhi Public School R K Puram and Spring Dales school, Pusa Road (2021)

- Appointed as an External examiner for evaluating Two Ph.D. Thesis and was invited to conduct an open Viva- Voce at

  - Department of Mathematics, Nagpur University

  - Department of Mathematics, MJP Rohilkhand, Bareilly.

- Invited to Chair Technical Sessions in conferences organized by Department of Mathematics, Delhi University

- Member of Selection Committee for PGT/TGT in

  - Kendriya Vidyalya Sangathan (KVS)

- Invited by NCERT to review the mathematics Book of class XII