



Miranda House UNIVERSITY OF DELHI

Name: Sunila Sharma
Department: Mathematics
Current Designation: Associate Professor
Email id: sunila.sharma@mirandahouse.ac.in
Academic Qualifications : Ph.D., M.Phil., M.A., B.A.
Research Degree(s) : Ph. D.
Field of Specialization : Mathematical Programming
Teaching Experience: 32 years
In Miranda House from: 1989

List of Publications :

Published Research Papers in Referred/Peer-Reviewed or UGC Listed Journals

	Title of the Paper	Journal Name	Year	Vol. No.	Page No.	ISSN No.	Author-ship	Ref no UGC - CARE List
1	Nonsmooth Vector Optimization Problem Involving Second-Order Semipseudo, Semiquasi Cone-Convex Functions	Statistics, Optimization and Information Computing	2021	9(2)	383-398	2311-004x	First-Author	33727
2	Optimality and Duality in Nonsmooth Vector Optimization with Non-Convex Feasible Set	RAIRO - Operations Research	2021	55	1195-1206	1290-3868	First-author	9976
3	Optimality and Duality for Vector Optimization Problem with Non-Convex Feasible Set	Opsearch	2020	57	1-12	0030-3887	Joint-Author	36500



Miranda House

UNIVERSITY OF DELHI

4	Optimality and Duality for Set-Valued Fractional Programming Involving Generalized Cone Invexity	Journal of Nonlinear Analysis and Optimization	2019	10 (1)	35-47	1906-9605	First author	
5	Generalized Higher-Order Cone-Convex Functions and Higher Order-Duality in Vector Optimization	Annals of Operations Research	2018	269	709-725	0254-5330	Joint author	15598
6	Vector Optimization with Generalized Cone Locally Connected Functions	Opsearch	2018	55 (2)	302-319	0030-3887	Joint author	36500
7	Second Order Optimality and Duality in Vector Optimization over Cones	Statistics, Optimization and Information Computing	2016	4	163-173	2311-004x	Joint author	33727
8	Generalised ϕ - p Convexity in Nonsmooth Vector Optimization Over Cones	IJOCTA	2016	6	1-7	2146-0957	Joint author	
9	Higher Order Minimizers and Generalised (F- p) Convexity in Nonsmooth Vector Optimization	Applied Mathematics	2015	6	7-19	2152-7393	Joint author	
10	Higher order Duality for Vector Optimization Problem over Cones involving Support Functions	Industrial Engineering Letters	2015	5(2)	62-66	2409-2169	Joint author	
11	Modified Objective Function method in Nonsmooth Vector Optimization over Cones	Optimization Letters,	2014	8(4)	361-373	1862-4472	Joint author	36531
12	A Different Approach to Cone Convex Optimization	American Journal of Operations Research,	2013	3(6)	536-541	2160-8849	Joint Author	
13	Second order Duality in Vector Optimization over Cones	Journal of Applied Mathematics and Informatics	2008	26 (1-2)	251-261	1598-5857	Joint Author	
14	Multiobjective Symmetric Duality involving Cones	European Journal of Operational Research	2002	141	471-479	0377-2217	Joint Author	28784
15	Generalized Connected Functions with respect to Cones	Journal of Optimization Theory and applications	2000	106 (2)	399-410	0022-3239	Joint Author	25003
16	Arcwise Cone Connected Functions and Optimality	Opsearch	2000	37 (4)	237-251	0030-3887	One of two Author	36500



Miranda House UNIVERSITY OF DELHI

17	Semilocal Pseudo Linearity and Duality in Multiobjective Optimization	International Journal of Management & Systems	1998	14 (2)	177-190		One of two Author	
18	Fritz John Optimality and Duality for Non Convex Programmes	Journal of Mathematical Analysis and applications	1997	212	38-50	0022-247X	Corresponding Author	24474
19	Optimality and Duality in Fractional Programming involving Semilocally convex and related functions	Optimization	1997	41	237-255	0233-1934	Corresponding Author	36529
20	Lagrange Duality in Multiobjective Fractional Programming	Opsearch	1995	132 (4)	239-252	0030-3887	One of two Authors	36500

Research Guidance

: Guided 3 (three) Ph. D students

Membership Of Professional Bodies : 1. *Member of Operational Research society of India*

2. *Member of Working Group on Generalized Convexity : Michigan, US*

Administrative Responsibilities : Admissions, Paper Setting/Moderation/checking, Deputy Superintendent-Ship at college level for conducting university examinations

Synergy : visiting UPSC as subject expert