

RESUME

Name: Nooshin Movahedian Attar

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Mathematics and
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Education:

<u>Degree</u>		<u>Year</u>
B.Sc. Mathematics	Payam Noor University	1374-1378
M.Sc. Mathematics	University of Isfahan	1379-1382
Functional Analysis	Dissertation title: Compact and Weakly compact sets in operator spaces Supervisor: Prof. Jafar Zaferani	
Ph.D. Mathematics Optimization	University of Isfahan Thesis title: Nonsmooth Mathematical Programs with Equilibrium Constraints. Supervisor: Prof. Soghra Nobakhtian.	1383-1387

Experience:

<u>Organization</u>	<u>Position</u>	<u>Duration</u>
Department of Applied Mathematics and Computer Science Faculty of Mathematics and Statistics University of Isfahan, Isfahan, IRAN.	Associate Professor	2009- Present

Expertise Areas:

- ☐ Nonlinear optimization
- ☐ Nonsmooth analysis
- ☐ Variational analysis

Research Interests:

- ☐ Nonlinear optimization
- ☐ Nonsmooth analysis
- ☐ Set-Valued and Variational Analysis

Publications:

1- *"Non-differentiable multiplier rules for optimization problems with equilibrium constraints."*

N Movahedian, S Nobakhtian

J. Convex Anal 16 (1), 187-210(2009)

2- *"Constraint qualifications for non-smooth mathematical programs with equilibrium constraints",*

N Movahedian, S Nobakhtian

Set-Valued and Variational Analysis 17 (1), 63-95(2009)

3- *"Necessary and sufficient conditions for nonsmooth mathematical programs with equilibrium constraints"*

N Movahedian, S Nobakhtian

Nonlinear Analysis: Theory, Methods & Applications 72 (5), 2694-2705(2010)

4- *"Calmness of set-valued mappings between Asplund spaces and application to equilibrium problems"*

N Movahedian

Set-Valued and Variational Analysis 20 (3), 499-518(2012)

5- *"Extremal principle based on the linear subdifferential"*

N Movahedian

Applied Mathematics Letters 25 (10), 1354-1360(2012)

6- *"Calmness and inverse image characterizations for Asplund spaces"*

N Movahedian

Optimization Letters 7 (2), 361-373(2013)

7- *"Nonsmooth calculus of semismooth functions and maps"*

N Movahedian

Journal of Optimization Theory and Applications 160 (2), 415-438(2014)

8- *"Necessary optimality conditions for countably infinite Lipschitz problems with equality constraint mappings"*

N Movahedian

Optimization Letters 10 (1), 63-76(2016)

9- *"Optimality conditions for nonsmooth mathematical programs with equilibrium constraints, using convexifiers"*

A Ansari Ardali, N Movahedian, S Nobakhtian

Optimization 65 (1), 67-85(2016)

10- *"Optimality conditions for nonsmooth equilibrium problems via Hadamard directional derivative"*

AA Ardali, N Movahedian, S Nobakhtian

Set-Valued and Variational Analysis 24 (3), 483-497(2016)

11- *"Bounded Lagrange multiplier rules for general nonsmooth problems and application to mathematical programs with equilibrium constraints"*

N Movahedian Journal of Global Optimization 67 (4), 829-850(2017)

12-“*Convexifiers and boundedness of the Kuhn–Tucker multipliers set*”

A Ansari Ardali, N Movahedian, S Nobakhtian
Optimization 66 (9), 1445-1463(2017)

13-“*Multiobjective problems: enhanced necessary conditions and new constraint qualifications through convexifiers*”

M Alavi Hejazi, N Movahedian, S Nobakhtian
Numerical Functional Analysis and Optimization 39 (1), 11-37(2018)

14-“*On constraint qualifications and sensitivity analysis for general optimization problems via pseudo-jacobians*”

MA Hejazi, N Movahedian, S Nobakhtian
Journal of Optimization Theory and Applications 179 (3), 778-799(2018)

15-“*Nonsmooth sparsity constrained optimization problems: optimality conditions*”

N Movahedian, S Nobakhtian, M Sarabadan
Optimization Letters 13 (5), 1027-1038(2019)

16-“*Optimality conditions for nonconvex constrained optimization problems*”

F Mashkoorzadeh, N Movahedian, S Nobakhtian
Numerical Functional Analysis and Optimization 40 (16), 1918-1938(2019)

17-“*Scaled constraint qualifications for generalized equation constrained problems and application to nonsmooth mathematical programs with equilibrium constraints*”

N Movahedian
Positivity 24 (2), 253-285(2020)

18-“*A New Abadie-Type Constraint Qualification for General Optimization Problems*”

MA Hejazi, N Movahedian
Journal of Optimization Theory and Applications 186 (1), 86-101(2020)

19-“*Robustness in nonsmooth nonconvex optimization problems*”

F Mashkoorzadeh, N Movahedian, S Nobakhtian
Positivity 25 (2), 701-729(2021)

20-“*The DTC (difference of tangentially convex functions) programming: optimality conditions*”

F Mashkoorzadeh, N Movahedian, S Nobakhtian
TOP, 1-26(2022)

21-“*Scaled constraint qualifications and necessary optimality conditions for nonsmooth mathematical programs with second-order cone complementarity constraints*”

A Hajheidari, N Movahedian
Positivity 26 (1), 1-42(2022)

22-“*Sparsity constrained optimization problems via disjunctive programming*”

N Movahedian, S Nobakhtian, M Sarabadan
Optimization 71 (10), 2979-3005(2022)

Conference Paper:

1- "*Constraint qualifications for nonsmooth disjunctive programs*".

دومین کنفرانس بین المللی آنالیز غیر خطی و بهینه سازی دانشگاه اصفهان 23-25 اردیبهشت 13

2- "*Sequentially Normally Smooth Sets in Asplund Spaces and Application to Nonsmooth Bilevel Problems*"

دومین کنفرانس بین المللی تحقیق در عملیات و بهینه سازی دانشگاه تهران 19 تا 22 ژانویه 2013

Courses Taught:

a) Undergraduate Level

1. Operations Research
2. Nonlinear Optimization
3. Numerical calculations
4. Mathematical Analysis
5. Calculus

b) Graduate Level

□ M.Sc. Level:

1. Advanced Operations Research
2. Advanced Optimization

□ Ph.D. Level:

1. Special Topics in mathematical programming