

Alireza Sattarzadeh

Curriculum Vitae

Education

- 2012-2017 **Ph.D. in Mathematics**, *Kerman Graduate University of Advanced Technology*,
kerman, iran.
- 2009-2012 **Master of Sciences in Mathematics**, *Shahid Bahonar University of Kerman*,
kerman, iran.
- 2005–2009 **Bachelor of Science in Mathematics**, *Shahid Bahonar University of Kerman*,
kerman, iran.

Thesis

Phd Thesis *Generalized convexity with applications*
Supervisor Professor Hossein Mohebi

Msc Thesis *Maximal monotone operators in point of view of classical and abstract sense*
Supervisor Professor Hossein Mohebi

Research interests

- Convex analysis
- Abstract convexity
- Optimization
- Maximal monotone operators
- Equilibrium problems

Teaching experiences

- Convex analysis
- Linear programming
- Convex optimization
- Nonsmooth optimization
- Functional analysis
- Calculus
- Differential equation
- Engineering mathematics

Publications

- H. Barsam, A. R. Sattarzadeh, Hermite-Hadamard inequalities for uniformly convex functions and its applications in means, *Miskolc Mathematical Notes* (2020), 21(2), 621-630.
- H. Barsam, A. R. Sattarzadeh, Some results on Hermite-Hadamard inequalities, *Journal of Mahani Mathematical Research Center*(2020), 9, 79-86.
- Characterizing Approximate global minimizers of the difference of two abstract convex functions with applications. *Filomat* (2019), 33(8), 2431-2445.
- A. R. Sattarzadeh, H. Mohebi, General resolvent of monotone bifunctions, *Non-linear and Convex Analysis*(2018),19(5) 841-852.
- A. R. Sattarzadeh, H. Mohebi, Some results on convex spectral functions:I, *Wavelet and Linear Algebra*(2018),5(1), 49-56.
- A. R. Sattarzadeh, H. Mohebi, On non-enlargeable positive sets, *Positivity* 20.4 (2016): 847-860.
- H. Mohebi, A.R. Sattarzadeh, Generalized positive sets and abstract convexity, *Positivity* (2013) 17:601620.
- H. Mohebi, A.R. Sattarzadeh, Abstract monotone operators representable by abstract convex functions, *Applied Mathematical sciences*, vol. 6, 2012, no. 113, 5649-5653.

Conference Papers

- A. R. Sattarzadeh, H. Mohebi, Convex analysis and spectral functions, The 10th Seminar on Linear Algebra and its Applications, Shahid Bahonar University of Kerman, 2020.
- H. Barsam, H. Mohebi, A.R. Sattarzadeh, Abstract monotonicity and abstract Fitzpatrick function, Proceeding of 44nd Annual Iranian Mathematics Conference, September 2013.
- Z. Amirshkari, H. Mohebi, A. R. Sattarzadeh, Abstract monotone polarity, Proceeding of 42nd Annual Iranian Mathematics Conference, September, Vali-e-Asr University of Rafsanjan, Iran, 431-434, 2011.