

Curriculum Vitae

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EDUCATION

Ph.D.

January 2010, Science and Research Branch of Islamic Azad university, Tehran, Iran.

Doctor in pure mathematics.

Major: *Mathematical Analysis.*

Thesis: Fixed points and common Fixed points of contractive multivalued mappings on complete metric and cone metric spaces.

Supervisor: Professor S. M. Vaezpour: Department of Mathematics, Amirkabir university, Tehran, Iran.

M.Sc.

1997-1999, Amirkabiruniversity, Tehran, Iran.

Master of Science in pure mathematics.

Major: *Pure Mathematics.*

Thesis: *Extremal vectors and invariant subspaces.*

Supervisor: Professor Naser Broujerdian: Department of Mathematics, Amirkabir university of Tehran, Tehran, Iran.

B.Sc.

1992-1996, Tabriz University, Tabriz, Iran.

Bachelor of Science in Mathematics.

Employment

I am a permanent employee of Islamic Azad university of Mahabad as a lecturer and have been teaching mathematic there since 2000 up to now. During these years I have been teaching many different courses in pure and applied mathematics. It is worth mentioning that I have also been teaching mathematics for non-mathematics students such as agricultural and civil engineering students as well as for students who study as accounting or management students in our university.

RESEARCH PAPERS

1. Shahram Rezapour · Hassan Khandani, Seyyed M. Vaezpour, Efficacy of cones on topological vector spaces and application to common fixed points of multifunctions, DOI: 10.1007/s12215-010-0014-2, *Rendiconti del Circolo Matematico di Palermo* 59, 185 – 197 (2010).
2. H. khandani, S. M. Vaezpour, common fixed points of generalized contractions on complete metric spaces, *journal of computational analysis and applications* 13, NO.6, 1025-1038(2011).
3. H. khandani, Topology and metrizable, *World Applied Sciences Journal* 17 1592-1597(2012).
4. Khojasteh, F., Karapinar, E. & Khandani, H. Fixed Point Theory Appl (2016) 2016: 16. <http://sci-hub.tw/10.1186/s13663-016-0501-z>
5. K. Mousazadeh, and H. Khandani. "Some results on controlled frames in Hilbert spaces." *Acta Mathematica Scientia* 36.3 (2016): 655-665.
6. Darabi, P., Moloudzadeh, S., Khandani, H. (2016). 'Generalized H-differentiability for solving second order linear fuzzy differential equations', *International Journal of Industrial Mathematics*, 8(3), pp. 293-301.
7. P. Darabi, S. Moloudzadeh, and H. Khandani. "A numerical method for solving first-order fully fuzzy differential equation under strongly generalized H-differentiability." *Soft Computing* (2015): 1-14.
8. S. Moloudzadeh, P. Darabi, and H. Khandani. "The pseudo inverse matrices to solve general fully fuzzy linear systems." *Journal of soft computing and applications* 2013 (2013): 1-11.
9. P. Darabi, S. Moloudzadeh, H. khandani. "Generalized H-differentiability for solving second order linear fuzzy differential equations." *International Journal of Industrial Mathematics* 8.3 (2016): 293-301.
10. Khojasteh, Farshid, Erdal Karapinar, and Hassan Khandani, Some consequences of Caristi's fixed point theorem, Partial answer to some unknown open problems and its applications, third international conference on nonlinear analysis and its applications, May 25-27, 2015.

11. Khandani, H., 2017. A characterization for Meir–Keeler contractions. *Rendiconti del Circolo Matematico di Palermo Series 2*, pp.1-15.

12. H. Khandani, Measure of noncompactness via simulation functions, submitted.

13. An extension of Sadovneski theorem and application to measure of noncompactness, *journal of fixed point theory*, 2018.

14. Hassan Khandani, A unifying method to study contractions on metric spaces, the 9th seminar on nonlinear analysis and its applications, Feb, 28 and 29 Mar. 1, 2018.

مقالات فارسی:

۱. حسن خندانى و فرشيد خجسته، يك مشخص سازى جديد براى عملگرهاى مير-كيلر جمع شونده و كاربردهاى آن، پژوهش هاى نوين در رياضى، ۱۳۹۷.

Teaching experience

A. Undergraduate courses

1. Probabilities and statistics
2. Calculus or general mathematics 1, 2,3.
3. differential equations.
4. Mathematical Analysis I.
5. Mathematical Analysis II.
6. Linear Algebra.
7. general Topology.
9. Probabilities and stochastic.
10. Set theory.
11. foundation of mathematics.

B. Graduate courses

1. Real Analysis (M.sc in mathematics).
2. Functional Analysis (M.sc in mathematics).
3. Topics in functional Analysis (M.sc in mathematics).
4. Harmonic Analysis (M.sc in mathematics).
5. Advanced Engineering mathematics (M.sc in computer software).
6. Advanced algebra (M.sc in mathematics) .

Master of science students in pure mathematics

1. Student: Naheeh Barzegari,
thesis: **Nonexpansive monotone on common approximate fixed points of semigroups in Banach spaces**, (2016).

2. Student: Fayeg Rashid zadeh, Meir- Keeler contractions theorems via Measure of noncompactness, 2016.

3. Student: Asad Raheemi,

a generalized metric space with some related fixed point theorems, 2016.

4. Student: Esmaeel Nabizadeh,

Thesis: new fixed point theorems under R-contractions, 2016.

5. Student: Kaveh Kakezadeh,

Thesis: Application of simulation functions in Fixed point theory, 2015.

6. Student: Mehran Qasemi,

Thesis: The caristies Fixed point theorem and its applications in fixed point theory, 2014.

7. Student: Ebraheem Dabaghsaz,

thesis: A generalized Mir-Keeler Contraction On Partial Metric Space, 2016.

8. Sommaya Mohammadi,

F-Valued contractions, 2019

All reference and documents are available.