

Hamidreza Rahimi

Curriculum Vitae

Contact Information

**Department of Mathematics, Central Tehran Branch, Islamic Azad University
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Personal Information

Date of Birth: **19 jun. 1968.**

Place of Birth: **Shiraz.**

Position: **Professor in Mathematics.**

Education

Ph.D **2003**, *Science and Research Branch, Islamic Azad University, Tehran, Iran.*

- Theses Topic: Topological Tensor products of Topological Semigroups.
- Supervisor: Prof. A. Medghalchi.

M.Sc **1993**, *Sharif University, Tehran, Iran.*

- Dissertation Topic: Universal field of fractions on semi-fir.
- Supervisor: Prof. M. Mahdavi Hazavei

B.Sc **1990**, *Arak University, Arak, Iran.*

Academic Positions held

2016-Present **Professor**, *Central Tehran Branch, Islamic Azad University.*

2012-2016 **Associated Professor**, *Central Tehran Branch, Islamic Azad University.*

2005-2012 **Assistant Professor**, *Central Tehran Branch, Islamic Azad University.*

1995-2005 **Lecturer**, *Central Tehran Branch, Islamic Azad University.*

Academic Experiences

2017-present **Vice Chancellor for Research**, *West Tehran Branch, Islamic Azad University.*

2011-2015 **Vice Chancellor for Research**, *Central Tehran Branch, Islamic Azad University.*

2009-2011 **Vice Chancellor for Student Affairs**, *Central Tehran Branch, Islamic Azad University.*

2009-2012 **Member of Executive Board of Employment faculty**, *Islamic Azad University.*

- 1998-Present **Iranian Mathematical Society Representative in the Department**, *Central Tehran Branch, Islamic Azad University.*
- 2005-2007 **Chair of Department of Mathematics**, *Central Tehran Branch, Islamic Azad University.*
- 2011-2015 **Member of University Research Board**, *Central Tehran Branch, Islamic Azad University.*
- 2008-2009 **Chair of University Mathematics Competition Committee**, *Islamic Azad University.*

Supervision of:

Ph. D Thesis

- 2015 **Approximate amenability modulo an ideal of Banach algebra**, , Central Tehran Branch, Islamic Azad University.
A. Soltani
- 2014 **Amenability and contractibility modulo an ideal of Banach algebra**, , Central Tehran Branch, Islamic Azad University.
E. Tahmasebi
- 2013 **Characterization of Banach spaces by Fixed point theorems**, , Central Tehran Branch, Islamic Azad University.
Gh. Soleimani Rad

(MSc dissertations (selected))

- 2016 **Some Applications of Stone-Cech compactification of natural numbers** , , Central Tehran Branch, Islamic Azad University.
Z. Hoseini
- 2014 **Amenability of L^p -Munn algebra**, North Tehran Branch, Islamic Azad University.
K. Ghelichi
- 2013 **Topological structure of measure spaces**, Central Tehran Branch, Islamic Azad University.
L. Nourozi
- 2013 **Almost partial generalized Jordan derivations with fixed point approach** , , Central Tehran Branch, Islamic Azad University.
M. Esmaeili
- 2013 **Stone dual of noncommutative topological inverse semigroups and groups** , , Central Tehran Branch, Islamic Azad University.
M. Hoseini Motlagh
- 2013 **Brandt extension of topological inverse semigroups**, Central Tehran Branch, Islamic Azad University.
S. Faraji
- 2012 **Fixed point theorems in cone tvs-metric spaces**, Central Tehran Branch, Islamic Azad University.
A. Ghorbani

- 2012 **Fixed point properties for semigroups of nonlinear mappings and amenability**,
, Central Tehran Branch, Islamic Azad University.
M. Karamedin
- 2012 **Convolution on homogeneous spaces**, North Tehran Branch, Islamic Azad
University.
M. Amiri
- 2012 **Topological center of quotient Banach algebra**, North Tehran Branch, Islamic
Azad University.
M. Molla Shafie
- 2012 **Invariant Measure on semigroups**, North Tehran Branch, Islamic Azad University.
A. bayrami
- 2010 **Amenability of fourier algebras and fourier-stieltjes algebras**, North Tehran
Branch, Islamic Azad University.
M Ghahramani
- 2008 **Fourier-Stieltjes algebra of a topological semigroup**, North Tehran Branch,
Islamic Azad University.
M. Mahmoudi

Editorial Memberships

- 2013-Present **Editor-in-Chief**, *Journal of Linear and Topological Algebra*.
2013-Present **Member of Editorial Board**, *Journal of Linear and Topological Algebra*.
2015-Present **Member of Editorial Board**, *Journal of Generalized Lie Theory and Applications*.
2012-Present **Director-in-Chief**, *Journal of Linear and Topological Algebra*.

Professional memberships

- 1996-Present **Member of the Iranian Mathematical Society**, IRAN.

Professional Services

Referee of Journal: , .

- Bulletin of the Iranian Mathematical Society
- Iranian journal of science and technology
- Journal of Linear and Topological Algebra
- International Journal of Industrial Mathematics
- Turkish journal of mathematics

Reviewer, .

- Zentralblatt MATH

Computer skills

Latex, Microsoft Office, Adobe Page Maker, .

Courses Taught

- Ph.D course Harmonic Analysis (I) and (II). Topics in Measure theory. Topological Semigroups.
Functional Analysis. Operator Theory. Banach Algebra. C^* - algebra

- M.S course Real Analysis (1) and (2). Advance Mathematical Analysis. Seminars on Harmonic Analysis. Seminars on Banach Algebra
- B.S course Mathematical Analysis I, II, and III. General Topology. Analytic Geometry and Calculus I, II, and III. Algebra I, II. Complex Analysis

Professional Services

- 2014 Invited Professor for Scientific Committee of 21th Seminar of Mathematical Analysis and Applications, Hamedan, Iran
- 2013 Invited Professor for Scientific Committee of 1th Seminar on Harmonic Analysis and Applications, Esfahan, Iran

Awards

- 2015 Distinguished Professor in Central Tehran Branch, Islamic Azad University
- 2014 Distinguished Researcher in Central Tehran Branch, Islamic Azad University

Conference Talks

- 2016 **Topics in the concept of amenability modulo an ideal of Banach algebras,** 4^{sth} Seminar on Harmonic Analysis and Applications , Kharazmi University, Tehran, Iran.
- 2013 **Ideal extension of semigroups and their applications,** 5th BLAST, Orange, California, USA.
- 2013 **Compactification of topological extension of topological semigroups and their applications,** 1th Seminar on Harmonic Analysis and Applications, Esfahan University of Technology, Esfahan, Iran.
- 2012 **Compactification of Topological Inverse Semigroups,** 27th Annual Summer Topology and its Applications , Minnesota State University Mankato, Minesota, USA.
- 2011 **Extension of semigroup and their compactifications,** 26th Summer Conference on Topology and Its Applications , The City College of CUNY, New York, USA.
- 2010 **Biprojectivity and weak amenability of Banach algebras,** The 6th Conference on Function Spaces, Southern Illinois University Edwardsville, USA.
- 2007 **Compactification of Completely 0-Simple Semigroup,** 38th Annual Iranian Mathematics Conference, University of Zanjan, Zanjan, Iran.
- 2007 **L1-Space on Tensor Product of Semigroups,** 18th Seminar on Mathematical Analysis and Its Applications, Kharazmi University, Tehran, Iran.
- 2006 **Generalized Topological Tensor Product and Extension Groups,** 37th Annual Iranian Mathematics Conference, Azarbaijan Shahid Madani University, Tabriz, Iran
- 2006 **Topological Tensor Product and Extension Groups,** International Congress of Mathematicians of European Mathematical Society, Madrid, Spain.

- 2005 **Compactification of Topological Tensor Products of Topological Semigroups**, *36th Annual Iranian Mathematics Conference*, University of Yazd, Iran.
- 2005 **Generalized Topological Tensor Product of Topological Semigroups and Their Ideal Structures**, *15th Seminar of Mathematical Analysis and Its Applications*, University of Zahedan, Iran.

Refereed Journal Publications

- 2017 **Some Generalized Notions of Amenability Modulo an Ideal**, *International Journal of Analysis and Applications*, Vol. 13 (2), 178-184.
H Esmaili, H Rahimi
- 2016 **Steady laminar mixed convection stagnation-point flow of a nanofluid over a vertical permeable surface in the presence of a magnetic field**, *Journal of Applied Mechanics and Technical Physics*, Vol. 57 (6), 1031-1041.
H Tamim, S Dinarvand, R Hosseini, H Rahimi, I Pop
- 2016 **Approximate amenability modulo an ideal of Banach algebras**, *U.P.B. Sci. Bull., Series A*, Vol. 78, Iss. 3.
Hamidreza Rahimi and Afsaneh Soltani
- 2016 **Amenability Modulo an Ideal of Second Duals of Semigroup Algebras**, *Mathematics*, 4, Vol. 3, Iss. 55.
Hamidreza Rahimi and Khalil Nabizadeh
- 2016 **Algebraic cone b-metric spaces and its equivalence**, *Miskolc Mathematical Notes*, Vol. 17 (2016), No. 1, pp. 553-560.
Ghasem Soleimani Rad, Hamidreza Rahimi Stojan Radenovic
- 2016 **Generalized distance and new fixed point results**, *Asian-European journal of mathematics*, Vol. 9 No 2 .
Hamidreza Rahimi, Ghasem Soleimani Rad and Poom Kumam
- 2016 **Amenability modulo an ideal of second duals of semigroup algebras**, *Mathematics*, 4, 55.
Hamidreza Rahimi and Khalil Nabizadeh
- 2015 **Common Fixed Point Results for Four Mappings on ordered vector metric spaces**, *Filomat*, 29:4 .
Hamidreza Rahimia, Mujahid Abbasb and Ghasem Soleimani Rad
- 2015 **A generalized distance in a cone metric space and new common fixed point results**, *U.P.B. Sci. Bull., Series A*, Vol. 77, Iss. 2.
Hamidreza Rahimi, Ghasem. Soleimani Rad and P. Kumam
- 2015 **A Note on Approximately Amenable Modulo an Ideal of Banach Algebras**, *Journal of New Researches in Mathematics*, Vol.1, No.2.
1Hamidreza Rahimi and Afsaneh Soltani
- 2015 **Coupled fixed-Point results for T-contractions on cone metric spaces with Applications**, *Mathematical Notes*, Vol. 17 (2016), No. 1, pp. 553-560.
Hamidreza Rahimi, Pasquale Vetro and Ghasem Soleimani Rad

- 2015 **A note on Amenability Modulo an Ideal of unital Banach algebras**, *Journal of Mathematical Extension* , Vol. 9, No. 1.
Hamidreza rahimi and Elham Tahmasebi
- 2015 **Cone metric type space and new couple fixed point theorems**, *Journal of Nonlinear Analysis and Optimization*.
Hamidreza Rahimi, Stojan Radenovich and Ghasem Soleimani Rad
- 2014 **Amenability and Contractibility Modulo an Ideal of Banach Algebras**, *Abstract and Applied Analysis*, Volume 2014, Article ID 514761.
Hamidreza Rahimi and Elham Tahmasebi
- 2014 **Triple fixed fixed point results for T-contractions on abstract metric spaces**, *Int. J. Analysis Appl*, Vol 6, Nu 2 .
Hamidreza Rahimi, Calogero Vetro, Mujahid Abbas and Ghasem soleimani Rad
- 2014 **The existence of fixed and periodic point theorems in cone metric type spaces**, *Journal of nonlinear sciences and applications*, Appl. 7 .
Poom Kumam, Hamidreza Rahimi and Ghasem Soleimani Rad
- 2014 **Some relations between n-tuple fixed point and fixed point results**, *RACSAM* , Publish online: 2 oct .
Ghasem Soleimani Rad and Satish Shukla and Hamidreza Rahimi
- 2014 **Fixed point theorems under c-distance in ordered cone metric space**, *Int. J. Industrial Mathematics* , Vol. 6, No. 2.
Hamidreza Rahimi and Ghasem . Soleimani Rad
- 2014 **Amenability of semigroups and their algebras modulo a group congruence**, *Acta Math. Hungar* , 144 (2) .
Masoud Amini and Hamidreza Rahimi
- 2014 **Generalized frames for operators in Hilbert spaces**, *Infinite Dimensional Analysis, Quantum Probability and Related Topics* , Vol. 17, No. 2 .
Mohammad Sadegh Asgari and Hamidreza Rahimi
- 2014 **Ideal extension of semigroups and their compactifications**, *Math Sci* , 8:116.
Hamidreza Rahimi
- 2014 **Coupled common fixed point theorems under weak contractions in cone metric Type Spaces**, *Thai Journal of Mathematics*, Vol 12, No 1.
Hamidreza Rahimi, Ghasem Soleimani Rad and Poom Kumam
- 2014 **Hereditary properties of amenability modulo an ideal of Banach algebras** , *J. linear Topol. Algeb* , Vol. 03, No. 02.
Hamidreza Rahimi and Elham tahmasebi
- 2014 **Common tripled fixed point results in cone metric type spaces**, *Rend. Circ. Mat. Palermo*, 19 May.
Ghasem Soleimani Rad, Hassen Aydi, Poom Kumam and Hamidreza Rahimi
- 2013 **Common fixed point theorem and c-distance in ordered cone metric spaces**, *Ukrainian Mathematical Journal*, Vol. 65, No. 12 .
Hamidreza Rahimi and GhasemSoleimani Rad

- 2013 **Some common fixed point results for weakly compactible mapping in cone metric type spaces**, *Miskolc Mathematical Notes*, Vol. 14, No. 1.
Hamidreza Rahimi, Pasquale Vetro and Ghasem Soleimani Rad
- 2013 **Fixed and periodic point theorems for T-contractions on cone metric spaces**, *Filomat*, 27:5 .
Hamidreza Rahimi, B. E. Rhoades, Stojan Radenovi and Ghasem Soleimani Radd
- 2013 **Quadrupled fixed point results in abstract metric spaces**, *Comp. Appl. Math.*,
Publish online: 30 oct .
Hamidreza Rahimi, Stojan Radenovic, Ghasem Soleimani Rad and Poom Kumam
- 2013 **The generalized cubic functional equation and the stability of cubic Jordan *-derivations**, *Ann Univ Ferrara*, 13 July .
Abasalt Bodaghi, Mohsen Moosavi and Hamidreza Rahimi
- 2013 **Note on "Common Fixed Point Results for Noncommuting Mappings Without Continuity in Cone Metric Spaces"**, *Thai Journal of Mathematics*, Vol.11 No. 3.
Hamidreza Rahimi and Ghasem Soleimani Rad
- 2012 **New fixed and periodic point results on cone metric spaces**, *J. Linear Topolo Algebra*, Vol. 01, No. 02.
Hamidreza Rahimi and Ghasem Soleimani Rad
- 2012 **Function spaces of Rees matrix semigroups**, *Bull. Iranian Math Soc*, Vol. 38 No. 1 .
Hamidreza Rahimi
- 2012 **Some fixed point results in metric type space**, *J. Basic Appl. Sci. Res*, 2 (9).
Hamidreza Rahimi and Ghasem Soleimani Rad
- 2012 **On the Generality orthogonal Projections and e-Projections in Banach algebra**, *Advances in Pure Mathematics*, 2.
Hamidreza Rahimi, Mohammad .S. Asgari, Sara Karimizad
- 2012 **Function Spaces of Topological Inverse Semigroups**, *J. Basic. Appl. Sci.*, 2.
Hamidreza Rahimi and Mohammad. S. Asgari
- 2011 **Uniqueness and Existence of Solutions of the Periodic First-Order Fuzzy Differential Equation with Boundary Value Using Fixed Point Theorems**, *Aus. J. Basic Appl Sci*, 6(6).
Hamidreza Rahimi, Saeed Khezerloo and Masomeh Khezerloo
- 2011 **Approximating the Fuzzy Solution of the Non-linear Fuzzy Volterra Integro-differential Equation Using Fixed Point Theorems**, *Int. Journal. Ind. Math*, Vol. 3, No. 3.
Hamidreza Rahimi, Saeed Khezerloo and Masomeh Khezerloo
- 2011 **Biprojectivity and weak amenability of Banach algebras**, *Contemporary of Mathematics*, American Math Soc.
Hamidreza Rahimi, Majid Ghahramani and Sahar Moayeri
- 2011 **Convergence of the Fuzzy Sequence of Successive Approximations to a Fixed Point**, *Iranian Journal Of optimazation*.
Hamidreza Rahimi, Saeed Khezerloo and Masomeh Khezerloo

- 2010 **Some Results on Modular Hyperconvex Spaces**, *Int. J. Industrial Math.*, Vol 1, No 4.
Hamidreza Rahimi, Malihe Firooznasab
- 2010 **A Note On Modular Hyperconvex space**, *Int. J. Industrial Math*, Vol. 2, No.4.
Hamidreza Rahimi, S. Sadeghi lemrasaki, Mohammad S. Asgari
- 2010 **Comment on ĀĀĀ Frames of subspaces**, *Int. J. Industrial Math*, Vol. 2, No.1.
Hamidreza Rahimi, Hamidreza Yousefinejad
- 2005 **Topological Tensor Products of Topological Semigroups and Their Compactifications**, *Scientiae Mathematicae Japonicae*, Vol. 62, No. 1.
Hamidreza Rahimi and Alireza Medghalchi
- 2004 **The Ideal Structure on the Topological Tensor Product of Topological Semigroups**, *Int. J. App. Math*, Vol. 15, No. 2.
Hamidreza Rahimi and Alireza medghalchi

Published Books

- 2016 **Foundations of Mathematical Analysis**, *Publisher; Central Tehran Branch, Islamic Azad University.*
(In Farsi)
- 2013 **Fixed Point Theory in Various Spaces, Comparison between various contractions**, *Publisher; Lap Lambert Academic Publishing.*
(In English)
- 2012 **Tensor Product on Semigroups, Ideals, Function Spaces and Their Applications**, *Publisher; Lap Lambert Academic Publishing.*
(In English)
- 2001 **Differential and Integral Calculus**, *Publisher; Kharazmi.*
(In Farsi)