

CURRICULUM VITAE

Seyyed Hashem Parvaneh Masiha

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Personal Data:

- *Last Name:* P. MASIHA
- *First Name:* HASHEM
- *Date of Birth:* 06/09/1961
- *Place of Birth:* SHIRAZ, FARS
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Education:

- 23/1/1996 - 14/7/2002 Ph.D. in Pure Mathematics, Analysis,
Amir Kabir University of Technology, Iran.
- 23/1/1987 - 9/9/1989 M.Sc. in Pure Mathematics, Analysis,
Shiraz University, Iran.
- 23/9/1979 - 23/7/1986 B.Sc. in Pure Mathematics,
Shiraz University, Iran.

Research and Work Experience:

19/4/2005 - 28/10/2009	Research Deputy of the Faculty of Science, K. N. Toosi Univ. of Tech., Tehran, Iran.
4-6, May, 2000	Member of the Scientific and Executive Committee of the 3th Seminar and 24th Competition Among Iranian Univ. Students, K. N. Toosi Univ. of Tech., Tehran, Iran.
14/7/2002 - Present	Assistant Professor in Department of Mathematics, K. N. Toosi Univ. of Tech.
12/7/1996 - 14/7/2002	Scientific Member and Lecturer, Department of Mathematics, K. N. Toosi Univ. of Tech.
23/9/1993 - 23/9/1995	Committee Member and Lecturer, Department of Mathematics, Azad Univ., Tehran, Iran.
23/1/1990 - 23/9/1993	Committee Member and Lecturer, Department of Mathematics and Statistics, Iran Univ. of Medical Sciences, Tehran, Iran.
23/9/1989 - 12/7/1996	Committee Member and Lecturer, Department of Mathematics, K. N. Toosi Univ. of Tech.

Field:

FUNCTIONAL ANALYSIS and HARMONIC ANALYSIS.

Memberships:

1979-present: IRANIAN MATHEMATICAL SOCIETY;
2009-present: RESEARCH CENTER FOR FIXED POINT THEORY AND
APPLICATIONS.

Teaching:

GRADUATE LEVEL :

- Real Analysis (Pure);
- Real Analysis (Applied);
- Functional Analysis;
- Functional Analysis (II);
- Real Analysis (II);
- Banach Algebras;
- Topics in Functional Analysis;
- Applied Harmonic Analysis;
- Abstract Harmonic Analysis (I);

- Abstract Harmonic Analysis (II);
- Mathematical Method in Physics and Chemistry.
- Fixed Point Theory;
- Non-linear Functional Analysis;
- Operator Theory;
- C^* Algebras;
- Fourier Analysis;
- Wavelet Analysis;

UNDER-GRADUATE LEVEL :

- Calculus (I);
- Calculus (II);
- Calculus (III);
- Probability and Statistics (I);
- Probability and Statistics (II);
- Differential Equations;
- Probability and Statistics for Engineering;
- Times Series;
- Mathematics for Engineering;
- Mathematical Statistics (I);
- Mathematical Analysis (I);
- Mathematical Analysis (II);
- Mathematical Analysis (III);
- Elementary Real Analysis;
- Complex Variables and Functions;
- Theory of Fuzzy Sets;
- Probability, Information Theory and Coding Theory;
- Topology;
- Fuzzy Topology;
- Fuzzy Analysis;
- Stochastic Process.

Research Interests

- Functional Analysis;
- Harmonic Analysis, Wavelet Analysis, Fourier Analysis;
Dynamical Systems and Applied Harmonic Analysis;
- Information Theory;
- Set Valued Analysis;
- Nonlinear Functional Analysis;
- Nonlinear Analysis;
- Nonadditive Measures;
- Nonlinear Integrals;
- Fixed Point Theory;
- Probabilistic Spaces;

- Fuzzy Analysis;
- Probability Theory;
- Infinite Dimensional Analysis.

Publications:

BOOKS :

- Calculus, Noupa Publishing Co., 1991.
- Mathematics and Statistics, (Joint with A. Ansari and K. Mashayekhi), 1992.
- Numerical Analysis, (Joint with H. Sardar), 1993.
- A First Course in Probability, (Joint with S. M. Hashemiparast), K. N. Toosi Univ. of Thechnology Publishing, 1996.
- Fourier Analysis, K. N. Toosi Univ. Publishing, 2009.
- Applied Probability with Approach of Information Theory and Coding Theory, K. N. Toosi Univ. of Thechnology Publishing, 2013.

SUBMITTED BOOKS :

- Mathematical Analysis II, K. N. Toosi Univ. Publishing, Submitted for Publish.
- The Theory of Non-additive Integral, K. N. Toosi Univ. Publishing, Submitted for Publish.
- Complex Analysis, K. N. Toosi Univ. Publishing, Submitted for Publish.
- Calculus I, K. N. Toosi Univ. Publishing, Submitted for Publish,

IN PROGRESS BOOKS :

- Ordinary Differential Equations, K. N. Toosi Univ. Publishing;
- Fuzzy Topology;
- Mathematical Analysis I;
- Mathematical Analysis III;
- Probabilistic Measures;
- Calculus II;
- Calculus III.

Research:

SELECTED PAPERS :

- [1] F. SABETGHADAM, [H. P. Masiha](#) and N. Shahzad *Fixed point theorems in partial metric spaces with an application*, filomat., (2013).
- [2] [H. P. Masiha](#), *Extreme points in the set of topological left invariant means on locally compact semigroups*, Far East Journal of Mathematical Sciences, Volume 70, Number 2, (2012), pp: 375-398.
- [3] F. SABETGHADAM and [H. P. Masiha](#), *Fixed point results for multivalued*

operators in quasi-ordered metric spaces, Applied Mathematical Letters, Volume 25, (2012), pp:1856-1861.

- [4] H. P. Masiha, *Invariance condition and amenability of locally compact groups*, Internatinal Mathematical Forum, Volume 30, (2012), pp: 1451-1463.
- [5] A. REZA and H. P. Masiha, *Common fixed point theorem for mappings satisfying a contractive condition of integral type in G-cone metric spaces*, JP Journal of Fixed Point Theory and Applications, Volume 7, Number 1, (2012), pp: 41-56.
- [6] F. SABETGHADAM and H. P. Masiha, *A coupled fixed point theorem for contraction type maps in quasi-ordered metric spaces*, Int. Journal of Mathematical Analysis, Volume 5, no. 41, (2011), pp:2041-2050.
- [7] A. AZIZI and H. P. Masiha, *Some generalizations of fixed point results for multivalued contraction mappings*, International Scholarly Research Network, ISRN., Volume (2011), doi:10.5402/2011/924396.
- [8] F. SABETGHADAM and H. P. Masiha, *Common fixed points for generalized φ -Pair mappings on cone metric spaces*, Fixed Point Theory and Applications, Volume (2010), Article ID 718340, 8 pages, doi:10.1155/2010/718340.
- [9] H. P. Masiha, *Completeness in non-additive measures*, Modern Methods in Analysis and its Applications, Volume (2010).
- [10] F. SABETGHADAM, H. P. Masiha and A. H. SANATPOUR, *Some coupled fixed point theorems in cone metric spaces*, Fixed Point Theory and Applications, Volume (2009), Article ID 125426, 8 pages, doi:1155/2009/125426.
- [11] H. P. Masiha, *The characterizations of extreme amenable of locally compact semigroups*, International Journal of Mathematics and Mathematical Sciences, International Journal of Mathematics and Mathematical Sciences, Volume (2008), Article ID 207016, 18 pages, doi:10.1155/2008/207016.
- [12] M. RAHMATI and H. P. Masiha, *A symmetric conjugate condition for the representation of comonotonically additive and monotone functionals*, Fuzzy Sets and Systems, Volume 159, (2008).
- [13] M. G. MAHJANI, J. NESHATI, H. P. Masiha and M. JAFARIAN, *Electrochemical noise analysis for estimation of corrosion rate of carbon steel in cryde oil*, Anti-Corrosion Methods M., 54, No. 1,(2007).
- [14] J. NESHATI, H. P. Masiha, M. G. MAHJANI and M. JAFARIAN, *Study of carbon steel AP1 5L X60 in NaHCo3 NaCl Solution by electrochemical noise*, Corrosion Engineering Science and Engineering, No. 42, Vol. 2, (2007), 371-376.

- [15] M. G. MAHJANI, J. NESHATI, [H. P. Masiha](#), A. GHANBARZADEH and M. JAFARIAN, *Evaluation of corrosion behavior of organic coatings with electrochemical noise and electrochemical impedance spectroscopy* Surface Engineering, Vol. 22, No. 4, August (2006), 229-234.
- [16] [H. P. Masiha](#) and A. RIAZI, *Topological stationary locally compact semi-group and amenability*, J. of Sciences, I.R.I. 13(4), (2002), 367-372.
- [17] A. RIAZI and [H. P. Masiha](#), *Topological lumpy subsets of a locally compact semigroup and topological extreme amenability*, Far East J. Math. Sci. (FJMS) 5(3), (2002), 289-310.

SUBMITTED PAPERS:

- F. SABETGHADAM and [H. P. Masiha](#), *Coupled fixed point theorems in ordered ϵ -chainable partial metric spaces.*
- F. SABETGHADAM and [H. P. Masiha](#), *Fixed point theorems for set-valued ψ -contraction maps in quasi-ordered metric spaces.*
- F. SABETGHADAM and [H. P. Masiha](#), *Some fixed point results on ordered metric spaces,*
- [H. P. Masiha](#), *Coupled fixed point theorems for generalized contractions in partially ordered metric spaces.*
- [H. P. Masiha](#), *Fixed Points of Multi-valued Monotone Mappings in Ordered Metric Spaces.*
- [H. P. Masiha](#), *Common Fixed Points Under the Quasi-Contraction Condition for Weakly Compatible Mappings.*
Mappings.
- [H. P. Masiha](#), *The Characterizations of Extreme Points of Amenable Locally Compact Semigroups.*
- [H. P. Masiha](#), *Extreme Points in the Set of Topological Left Invariant Means on Locally Compact Semigroups.*

PAPERS IN PREPARATION:

- A. H. SANATPOUR, [H. P. Masiha](#) and F. SABETGHADAM, *Some Fixed Point Theorems in Cone Metric Spaces.*
- F. SABETGHADAM and [H. P. Masiha](#), *Common Fixed Point Theorems for Maps and Cone Metric Spaces.*
- [H. P. Masiha](#), *Fuzzy Completeness for Fuzzy Measurable Functions with Respect to Convergence in Fuzzy Measure.*
- [H. P. Masiha](#), *Topological Lumpy Subsets of Amenable of Locally Compact Groups.*
- [H. P. Masiha](#), *Invariance Condition and Amenability of Locally Compact semigroups.*
- [H. P. Masiha](#), *Equi-Integrable Fuzzy Monotone Measurable Functions.*

- **H. P. Masiha** and ZH. KHAZAEI, *On fuzzy vector lattices and fuzzy Daniell integral.*
- **H. P. Masiha** and ZH. KHAZAEI, *Dimension and Basis Fuzzy Vector Spaces.*
- **H. P. Masiha**, *Fuzzy Completeness for Fuzzy Measurable Functions with Respect to Convergence in Fuzzy Measure”.*

Conference Papers:

- [1] *Extreme Points in the Set of Topological Left Invariant Means, Congress International ISAAC, Ankara, Turkey, (2007).*
- [2] *Basis and dimension of fuzzy vector spaces, Joint Congress on Fuzzy and Intelligent Systems, Malek Ashtar University, Tehran, Iran (2008).*
- [3] *Fuzzy linear transformations, Joint Congress on Fuzzy and Intelligent Systems, Malek Ashtar University, Tehran, Iran (2008).*
- [4] *Completeness in non additive measures, International Conference in Analysis and Applications, ICAA08, Aligarh University, India (2008).*
- [5] *Topological Lumpiness and Topological Extreme Amenability, Harmonic Analysis and Applications IV, Tsaghkadzor, Armenia, (2008).*
- [6] *Invariance Conditions and Amenability of Locally Compact Semigroups, 7th International ISAAC Congress, London, U. K., (2009).*
- [7] *Topological Left Almost Convergence and Extreme Points of Amenable Locally Compact Semigroups, International Conference of Mathematical Sciences, Istanbul, Turkey, (2009).*
- [8] *Fixed Point Theorems in Cone Metric Spaces, (Joint with F. Sabetghadam and A. H. Sanatpour), 18th Seminar of Analysts, University of Tarbiat Moaalem, Iran, (2009).*
- [9] *Fixed Point Properties for Asymptotically Non-Expansive Mapping and Quasi-Non Expansive Mapping, 40th Annual Iranian Mathematics Conference, Sharif University of Technology, Iran (2009).*
- [10] *Invariance Conditions and Left Amenability of Locally Compact Groups, 40th Annual Iranian Mathematics Conference, Sharif University of Technology, Iran (2009).*
- [11] *Sugeno Fuzzy Integral, (Joint with H. Vahdati), 10th Iranian Conference of Fuzzy System, Shahid Beheshti University, Iran (2010).*
- [12] *Fixed Point Theorems of Multivalued Monotone Mappings in Ordered Metric Spaces, The Second Asian Conference on Nonlinear Analysis and Optimization, Phuket, Thailand, (2010).*

- [13] *Extremely Amenable Locally Compact Borel Subsemigroups*, 41th Annual Iranian Mathematics Conference, Uromieh University, Iran (2010). , 18th Seminar of Analysts, University of Tarbiat Moaaalem, Iran, (2009).
- [14] *Multi Valued Operators in Quasi-ordered Metric Spaces*, 19th Seminar of Analysis and its Applications, Mazandaran University, Babolsar, Iran (2011).
- [15] *Extremely Amenable Locally Compact Borel Subsemigroups*, Harmonic Analysis and Applications V, Tsaghkadzor, Armenia, (2011).
- [16] *Coupled Coincidence Point Theorems in Ordered Metric Spaces*, 42th Annual Iranian Mathematics Conference, Vali-e-Asr University, Rafsenjan, Iran (2011).
- [17] *Geometry of Banach Spaces Concerning Fixed Point*, 42th Annual Iranian Mathematics Conference, Vali-e-Asr University, Rafsenjan, Iran (2011).

Student Advising

PH.D STUDENTS :

- **Jaber Neshati**,
Ph.D Dissertation: *Application of Noise Analysis in Corrosion and nbsp; Metals*, (16/1/2008).
- **F. Sabetghadam**,
Ph.D Dissertation: *Fixed point theorems for single valued and multi valued maps in ordered spaces* (14/7/2012).
- **H. Vahdati**,
Ph.D Dissertation: ... (October 2008), (In Progress).
- **H. Mam Ghaderi**,
Ph.D Dissertation: ... (October 2012), (In Progress).

M.Sc. STUDENTS :

- **Fatemeh Laal Dolat Abadi**,
M.Sc. Dissertation: *Fuzzy Bounded Linear Operators*, (Advisor), (26/08/2006).
- **Aboozar Jahangiri**,
M.Sc. Dissertation: *Amenability and Extreme Amenability of Locally Compact Semigroups*, (Supervisor), (16/09/2006).

- **Hossan Ebrahimi,**
M.Sc. Dissertation: *Entropy and Generators of Fuzzy Dynamical Systems,*
(Supervisor), (18/09/2006).
- **Mohammad Rahmati,**
M.Sc. Dissertation: *Principle of Fuzzy Measures and Fuzzy Integrals,*
(Supervisor), (12/12/2006).
- **Sara Vaez Zadeh,**
M.Sc. Dissertation: *Convexity and Fixed Points in Probabilistic Normed Spaces,*
(Advisor), (17/09/2007).
- **Tayebe Deziani,**
M.Sc. Dissertation: *Characterizations of Completable Fuzzy Metric Spaces,*
(Supervisor), (22/09/2007).
- **Azadeh Salehi,**
M.Sc. Dissertation: *Fuzzy Normed Spaces with Finite Dimension,*
(Supervisor), (22/09/2007).
- **Layla Khodayari,**
M.Sc. Dissertation: *Classification and Data Analysis,*
(Advisor), (22/09/2007).
- **Kamal Fallahi,**
M.Sc. Dissertation: *Bounded Sets and Linear Operators in Probabilistic Normed Spaces,*
(Advisor), (22/12/2007).
- **Somaeyh Jahani,**
M.Sc. Dissertation: *Some Fixed Point Theorems in Metric Spaces and Hyperconvex Metric Spaces,*
(Advisor), (13/02/2008).
- **Hatam Vahdati,**
M.Sc. Dissertation: *Sugeno's Integrals and Measures,*
(Supervisor), (5/03/2008).
- **Fatemeh Sabetghadam,**
M.Sc. Dissertation: *Lattice-Valued (Z_p)-Pan Integrals for Lattice-Valued Simple and Borel Functions on Lattice,*
(Supervisor), (4/09/2008).
- **Raheleh Arandan,**
M.Sc. Dissertation: *Calculus of Sequential Normal Compactness in Variational Analysis,*

(Supervisor), (18/09/2008).

• **Zhila Khazaei,**

M.Sc. Dissertation: *Fuzzy Daniell Integral,*
(Supervisor), (17/12/2008).

• **Pouria Kamali,**

M.Sc. Dissertation: *Fuzzy Hahn Banach Theorem,*
(Supervisor), (20/01/2009)

• **Elham Ilka,**

M.Sc. Dissertation: *Approximation of Fixed Points for
Amenable Semigroups of Nonexpansive
Mappings in Banach Spaces,*
(Supervisor), (19/10/2009).

• **Zahra Kalantarioun,**

M.Sc. Dissertation: *The Approximate Identities and
Amenability of Locally Compact
Semigroups,*
(Supervisor), (21/11/2009).

• **Mohsen Aghaei Borkhayli,**

M.Sc. Dissertation: *Generalized Notions of Amenability,*
(Supervisor), (9/01/2010).

• **Nasim Sehat,**

M.Sc. Dissertation: *On Wavelets related to the Walsh
Series,*
(Supervisor), (9/01/2010).

• **Atefeh Reza,**

M.Sc. Dissertation: *Fixed Point Theorem for Mapping
Satisfying in General Contractive
Condition of Integral Type,*
(Supervisor), (1/01/2011).

• **Ashour Amini Khah,**

M.Sc. Dissertation: *The Extension of Continuity and
Generalized Results for Set Valued Mapps
in Convex Analysis,*
(Supervisor), (9/01/2010).

• **Ali Azizi,**

M.Sc. Dissertation: *Fixed Point Results for Set Valued
Contraction by Altering Distance in
Complete Metric Spaces,*
(Supervisor), (3/12/2011).

• **Afrooz Shakori ktigri,**

M.Sc. Dissertation: *Fuzzy Probability In Progress Supervisor*
(Supervisor),(Joint with Prof. Hashemiparast), (9/01/2010).

- **Zinab Barcheloi,**
M.Sc. Dissertation: *The Extension of Continuity and Generalized Results for Set Valued Mapps in Convex Analysis,*
(Supervisor), (20/11/2011).
- **Layla Abdollahi,**
M.Sc. Dissertation: *Fixed Point Results for Set Valued Contraction by Altering Distance in Complete Metric Spaces,*
(Supervisor), (11/11/2011).
- **Mojtaba Rastgo,**
M.Sc. Dissertation: *Fuzzy Probability In Progress Supervisor*
(Supervisor), (19/01/2012).
- **Somaeyh Abdoli Armaki,**
M.Sc. Dissertation: *Some Fixed Point Theorems in Fuzzy Metric Spaces,*
(Advisor), (16/01/2012).
- **Neda Oshghaee,**
M.Sc. Dissertation: *A Study of Fixed Point Theorems in Probabilistic Metric Spaces,*
(Advisor), (16/01/2012).
- **Khashayar Shams-al-Ketabi,**
M.Sc. Dissertation: *Hilbert Modules on C^* Algebras,*
(Advisor), (17/02/2012).
- **Roghaeh Shoghi Abkenar,**
M.Sc. Dissertation: *Fixed Point Theorems for Weakely Zamfirescu Maps,*
(Supervisor), (15/10/2012).
- **Fatemeh Ghasemi,**
M.Sc. Dissertation: *Some Fixed Point Theorems in Banach Algebras and C^* Algebras,*
(Advisor), (In Progress).
- **Reza Godarzi,**
M.Sc. Dissertation: *Extension of Fourier Transformation and Convolution of Time Scales,*
(Supervisor), (In Progress).
- **Ali Bromandnia,**
M.Sc. Dissertation: *Fixed Point Theorems for generalized Contractions in Metric Spaces with Graph,*
(Advisor), (3/09/2012).
- **Mina Dinarvand,**
M.Sc. Dissertation: *Fixed Point Property for Non-expansive*

Multi Valued Maps,
(Advisor), (3/09/2012).

- **Ali Tavakoli Valik Chali,**
M.Sc. Dissertation: *Extension Caristi's Fixed Point Theorem
for Vector Valued Metric Spaces,*
(Supervisor), (24/08/2012).

B.Sc. STUDENTS:

- **Sahar Nazem Zomorodi,**
B.Sc. Dissertation: *Feredholm and Voltra Integral Equations,*
(Supervisor), February, 2004.
- **Mohammad Esmaeili Radvar,**
B.Sc. Dissertation: *Application of Fuzzy Logic and Fuzzy
Control in Traffic,*
(Supervisor), March, 2004
- **S. Ahmad Hossaini,**
B.Sc. Dissertation: *Numerical Solution of Fuzzy Differential
Equation by Runge- Kutta Method,*
(Supervisor), September, 2005.
- **Mohsen Sotanifar,**
B.Sc. Dissertation: *On the Composite Function of Functions
of Bounded Variation,*
(Supervisor), October, 2005.
- **Abbas Shiralipour,**
B.Sc. Dissertation: *Conditions for Choquet Integral Representa-
tion of the Monotone and Comonotone
Additive Functional,*
(Supervisor), September, 2005.
- **Samaneh Shahriari,**
B.Sc. Dissertation: *Fuzzy Dynamical Systems-inverse and
Direct Spectra,*
(Supervisor), November, 2006.
- **Sara Azarpanah,**
B.Sc. Dissertation: *The Entropy of Fuzzy Dynamical Systems,
General Scheme and Generators,*
(Supervisor), January, 2007.
- **Bahareh Ghanbari Adivi,**
B.Sc. Dissertation: *Extensions of Normal Operators,*
(Supervisor), March, 2007.
- **Sina Zangeneh,**
B.Sc. Dissertation: *Approximation Properties of Multi-Scaling
Functions: A Fourier Approach,*

(Supervisor), March, 2008.

- **Reza Arian Fazel,**

B.Sc. Dissertation: *Special Functions,*
(Supervisor), September, 2008.

- **Mina Sedighi,**

B.Sc. Dissertation: *Fast Fourier Transformations,*
(Supervisor), September, 2008.

- **Shahriar Mirzadeh,**

B.Sc. Dissertation: *Fourier Transformations and Applications*
in Partial Differential Equations,
(Supervisor), September, 2009.

- **Akram Safdari Dahghi,,**

B.Sc. Dissertation: *Information Theory and Coding Theory,*
(Supervisor), September, 2009.

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