

Curriculum Vita

Madjid Eshaghi Gordji

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General Information

Born: 1972, Behshahr (North of Iran), Iran.

Citizenship: Iranian

Marital Statue: Married, One daughter.

Education

- **Ph.D. in Mathematics, Shahid Beheshti University, Iran** (Iran national University) 2004, Advisor: Professor Seyed Alireza Hosseiniun
- **M.Sc. in Mathematics, Institute of Mathematics, University for Teacher Education, Iran**, 1999, Advisor: Professor Alireza Medghalchi
- **B.Sc in Ferdowsi University of Mashhad, Iran**, 1996

Research Interest

- Functional Analysis (Banach Algebras)
- Abstract Harmonic Analysis
- Stability of Functional Equations
- Complex Analysis
- Operator theory
- Fuzzy normed spaces

Reviewer for

1- American Mathematical Society(MR)

2-European Mathematical Society(ZBL)

Founder & Editor-in-chief of:

International Journal of Nonlinear Analysis and Applications (IJNAA)

Editor of:

Australian Journal of Mathematical Analysis and Applications(AJMAA)

The Journal of Mathematics and Computer Science (TJMCS)

International Journal of Nonlinear Analysis and Applications (IJNAA)

Journal of Mathematical Analysis(JMA)

Referee for:

Abstract And Applied Analysis (ISI)

Bull. Iranian Math. Soc. (ISI)

Acta Applicandae Mathematicae (ISI)

International Journal of Mathematics and Statistics
International Journal of Engineering Sciences
European Journal of Pure and Applied Mathematics
Journal of Computational and Applied Mathematics (ISI)
Hacettepe Journal of Mathematics and Statistics (ISI)
Demonstratio Mathematica
Iranian Journal of Fuzzy Systems(IJFS) (ISI).
Thai Journal of Mathematics
Journal Advanced Research in Pure Mathematics (JARPM)
Acta Mathematica Vietnamica
Mathematical Problems in Engineering (ISI)

Publications:

Books

- 1- Mathematical Analysis I (Parsian)
- 2- Mathematical Analysis II (Parsian)
- 3- Formulas in Mathematics (Parsian)

Published Papers

- 1- Some net structures in topological semigroups and net ideals in Banach algebras , Far Est J.Math.Sci(FJMS), Special Volume(2001), Part I, 91-100.
- 2-(ISI) Ideal amenability of Banach algebras on locally compact groups, proc. Indian Acad.Sci. Vol. 115, No. 3, (2005), 319-325.
- 3- (ISI)Derivations into duals of ideals of Banach algebras, proc. Indian Acad. Sci. , Vol. 114, No.4, (2004), 399-408.
- 4- Big matrix method for finding the unboundedness of one of the primal or dual feasible region in LP problems. Int. J. Pure Appl. Math., 19 (2005), no. 3, 337--342.
- 5- Matrix ratio test for finding basic feasible solution without artificial variable(s) in LP problems. Int. J. Pure Appl. Math. 19 (2005), no. 2, 249--252.
- 6- Topological center of algebra $\{(\mathcal{C}A^*\mathcal{C}A)\}^*$, International J. Contemp. Math. Sci. Vol. 1, (2006), No. 8, 375-379.
- 7- Net ideals in Banach algebras(With M. R. Sorouhesh and M. Zolfaghari) , International J. Contemp. Math. Sci. Vol. 1,(2006), No. 13, 611-615.
- 8- (With F. Habibian and A. Rajali) Ideal amenability of module extension Banach algebras, International J. Contemp. Math. Sci. Vol.2, (2007), No. 5, 213-219.

- 9- (With F. Habibian and B. Hayati) Ideal amenability of second duals of Banach algebras, *International Mathematical Forum*, 2,(2007), No. 16, 765-770.
- 10-(with A. Ebadian) Module topologies on Banach algebras. *Adv. Algebra Anal.* 1 (2006), no. 3, 177--181.
- 11-(ISI) (With M. Filali) Arens regularity of Module actions, *Studia Mathematica*, 181, (2007), No. 3, 237-254.
- 12 -(ISI) (With M. Filali) Weak amenability of the second dual of a Banach algebra, *Studia Mathematica*, 182, (2007), No. 3, 205-213.
- 13 - (With E. Baloui) On the minimized error of histogram estimator on location and scale density function family, *International J. Contemp. Math. Sci.* Vol. 2, (2007), No. 29, 1451-1454.
- 14-(With F. Habibian and B. Hayati) Ideal amenability of module extensions of Banach algebras, *Archivum Mathematicum*, Vol. 43, (2007), 177-184.
- 15-(With B. Hayati) 2k-1- ideal amenability for suitable direct summands of Banach algebras, *Global Journal of Pure and Applied Mathematics (GJPAM)*, Vol.3, (2007), No. 3. 177-184.
- 16-(ISI) (With R. Memarbashi) Derivations into n-th duals of ideals of Banach algebras. *Bull. Iranian Math. Soc.* Vol. 34, No. 1, (2008), pp 59-71.
- 17- Connes amenability of the second duals of Arens regular Banach algebras, *Italian Journal of Pure and Applied Mathematics.* No 23 (2008) , 107-112.
- 18- The second transpose of a derivation on a Banach algebra, *Amir kabir Journal of Science and technology* , Vol. 19, No. 68-E, 2008
- 19- Homomorphism, amenability and weak amenability of Banach algebras, *Vietnam J. of Math.*, 36(2008) 1-8.
- 20-- Point derivations on second duals and unitizations of Banach Algebras, *Nonlinear Functional Analysis and Applications*, Vol. 13, No. 2, (2008), pp. 271-275.
- 21—(ISI)(With A. R. Medghalchi and A. Bodaghi) A generalization of weak amenability of Banach algebras, *Banach J. Math. Anal.* 3 (2009), no. 1, 131–142
- 22- (ISI)(With A. Ebadian and S. Zolfaghari) Stability of a mixed type cubic and quartic functional equation, *Abstract and Applied Analysis*, Volume 2008, Article ID 801904, 16 pages, doi:10.1155/2008/801904
- 23- (With S. A. R. Hosseinioun) The fourth duals of Banach algebras; *Italian Journal of Pure and Applied Mathematics.* No 24 (2008) , 53-60.

24-(ISI) (With T. Karimi and S. Kaboli) Approximately n -Jordan homomorphisms on Banach algebras, *Journal of Inequalities and Applications*, Volume 2009, Article ID 870843, 7 pages, doi:10.1155/2009/870843

25- Arens regularity of some bilinear maps, *Proyecciones*, Vol. 28, No 1, (2009), pp. 21—26.

26- (ISI) (With J. M. Rassias, N. Ghobadipour and M. Bavand) Approximate ternary Jordan derivations on Banach ternary algebras. *Journal of Mathematical physics*, 50, 042303(2009).

27- (ISI) (With A. Ebadian) Convexity of a family of meromorphically univalent functions by using two fixed points, *Applied Math. Letters*, 22 (2009), pp. 1200-1204
DOI information: 10.1016/j.aml.2009.01.030.

28- -(ISI) (with Bavand-Savadkouhi) Stability of cubic and quartic functional equations in non-Archimedean spaces, *Acta Applicandae Mathematica*, Vol 106, No 3 (2009) DOI: 10.1007/s10440-009-9512-7.

29- Weakly almost periodic functions of bilinear maps, *Global Journal of Pure and Applied Mathematics (GJPAM)*, Vol. 4, No. 2, (2008).

30- (ISI) (with H.Khodaei) On the generalized Hyers-Ulam-Rassias stability of quadratic functional equations, *Abstract and Applied Analysis*, Volume 2009 (2009), Article ID 923476, 11 pages, doi:10.1155/2009/923476.

31- -(ISI)(with M. Bavand) On approximate cubic homomorphisms, *Advance difference equations*, Volume 2009, Article ID 618463, 11 pages ,doi:10.1155/2009/618463.

32- -(ISI) (With J. Rassias and Ghobadipour) Generalized Hyers--Ulam stability of generalized (N,K) -derivations, *Abstract and Applied Analysis* Volume 2009 (2009), Article ID 437931, 8 pages, doi:10.1155/2009/437931.

33- (ISI)(With S. Kaboli Gharetapeh, John Michael Rassias and Somaye Zolfaghari) Solution and stability of a mixed type additive, quadratic and cubic functional equation, *Advance difference equations*, Volume 2009, Article ID 826130, 17 pages, doi:10.1155/2009/826130.

34- -(ISI) n -Jordan homomorphisms, *Bulletin of the Australian Mathematical Society*, 80,(2009), 159-164.

35-- (ISI)(with H. Khodaei) Solution and stability of generalized mixed type cubic, quadratic and additive functional equation in quasi-Banach spaces, *Nonlinear Analysis TMA* (2009) 5629_5643.

36- - (ISI) (With , M. Bavand-Savadkouhi, J.M. Rassias and S. Zolfaghari) Solution and stability of a mixed type cubic and quartic functional equation in quasi-Banach spaces, *Abstract and Applied Analysis*, Volume 2009, Article ID 417473, 14 pages doi:10.1155/2009/417473.

37- (ISI) (with M. Bavand) Stability of a mixed type cubic and quartic functional equations in random normed spaces , *Journal of Inequalities and Applications*, Volume 2009 (2009), Article ID 527462, 9 pages.

38-[Chapter Book](with N. Ghobadipour) Hyers-Ulam-Aoki-Rassias stability and Ulam-Gavruta-Rassias stability of quadratic homomorphisms and quadratic derivations on Banach Algebras , "Functional Equations, Difference Inequalities and Ulam Stability Notions (F.U.N.)" NOVA PUBLISHERS; Series: Mathematics Research Developments, 2010, 1st quarter.

39- [Chapter Book] (with S. Kaboli-Gheretapeh, M.S. Moslehian and S. Zolfaghari) Stability of a Mixed Type Additive, Quadratic, Cubic and Quartic Functional Equation "Nonlinear Analysis and Variational Problems " (pp. 65–80) 2009 Springer.

40-- Stability of an additive—quadratic functional equation of two variables in F -spaces , *Journal of Nonlinear Sciences and Applications*, Vol 2, No 4,(2009) pp.251-259.

41- (With A. Ebadian and Sh Najafzadeh) Certain Subclasses of Convex functions with positive and missing Coefficients by using a fixed point, *Journal of Nonlinear Sciences and Applications*, Vol 2, No 4, (2009) pp.219-224.

42-- (with Niyazi-Motlagh) Module extension Banach algebras and (σ, τ) -amenability, *European Journal of Pure and Applied Mathematics*, Vol. 2, No. 3, 2009, (361-371).

43—(ISI)(With S. Abbaszadeh and C. Park) On the stability of generalized mixed type quadratic and quartic functional equation in quasi-Banach spaces, *Journal of Inequalities and Applications*, Volume 2009 (2009), Article ID 153084, 26 pages.

44- (ISI) (with ghaemi and Majani) generalized hyers-ulam-rassias theorem in Menger probabilistic normed Spaces, *Discrete Dynamics in Nature and Society*, 2009, 10 pages.

45- -(With M. Bavand and J.M. Rassias) Approximation of the quadratic and cubic functional equations in RN-spaces, *European Journal of Pure and Applied Mathematics*, Vol. 2, No. 4, 2009, (494-507).

46-(With A. Ebadian) Second duals of measure algebras , *European Journal of Pure and Applied Mathematics*, Vol. 2, No. 4, 2009, (574-577).

47 – (ISI) (With M. Bavand and C. Park) Quadratic-quartic functional equations in RN-spaces , *Journal of Inequalities and Applications*, Volume 2009 (2009), Article ID 868423, 14 pages).

48-(ISI) (With Alinejad and Ghaffari) ON THE STABILITY OF GENERAL CUBIC-QUARTIC FUNCTIONAL EQUATIONS IN Menger PN SPACES (*Journal of Mathematical Physics*, Vol 50, No 12, 2009).

49- (With Ebadian and Najafzadeh) p -valent holomorphic functions with complex order by using subordination, *Novi Sad J. Math.* Vol. 39, No. 2, 2009, 43-49.

50- (ISI)(With M. Bavand) Approximation of generalized homomorphisms in quasi-Banach algebras, *Analele Univ. Ovidius Constata, Math series*, Vol. 17(2), 2009, 203–214.

51-(ISI) (With Bidkham and Shakeri) INEQUALITIES FOR THE POLAR DERIVATIVE OF A POLYNOMIAL, (*Journal of Inequalities and Applications*) 2009.

52-(ISI) (With Kaboli, Zolfaghari and Park): Stability of an additive-cubic-quartic functional equation, *Advances in Difference Equations Volume 2009 (2009)*, Article ID 395693, 20 pages.

53--(with A. Ebadian and Alimohammadi) Some applications of the generalized Bernardi - Libera - Livingston integral operator on univalent functions, *JIPAM*, Vol. 10, Issue 4, 1-5.

54---(ISI)(with R. Aghalary and A. Ebadian) Subclasses of meromorphic starlike functions connected to multiplier family, *Aust. J. Basic appl.sci.*, 3(4): 4416-4421, 2009.

55- -(ISI) (With Ghaemi, Majani and Park) generalized Ulam-Hyers Stability of Jensen Functional Equation in Šerstnev PN Spaces, *Journal of Inequalities and Applications* Volume 2010 (2010), Article ID 868193, 14 pages.

56- (ISI) (with Bodaghi Etefagh and Medghalchi) Module structures on iterated duals of Banach algebras, *Analele Univ. Ovidius Constata, Math series*, Vol. 18(1), 2010, 63–80.

57-(ISI) (With F. Habibian and A. Rajali) Module extensions of dual Banach algebras, *Bull. Korean Math. Soc.*, Vol. 47, No.4, 2010, 663-673.

58- (ISI) Stability of a functional equation deriving from quartic and additive functions, *Bull. Korean Math. Soc.*, Vol. 47, No.3, 2010, 491-502.

59—(ISI) (With Bavand and Bidkham) Stability of a mixed type additive and quadratic functional equation in non-Archimedean spaces, *JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS*, VOL.12, No.2, 2010, 454—462.

60-(ISI)(With Kaboli, Karimi, Rashidi and Aghaei) Ternary Jordan derivations on $\mathcal{S}C^*$ -ternary algebras, *JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS*, VOL.12, No.2, 2010, 463—470.

- 61-(ISI) (With M. S. Moslehian) A trick for investigation of approximate derivations, *Mathematical Communications*, 2010,
- 62- (ISI) (With Ghaemi, Kaboli, Ebadian and Shams) On the stability of J^* -derivations, *Journal of Geometry and Physics*, 60 (2010) 3, 454--459.
- 63-(ISI) (with C. Park) Comment on "Approximate ternary Jordan derivations on Banach ternary algebras, *J. Math. Phys.* 51, 044102 (2010) 4; doi:10.1063/1.3299295 (7 pages).
- 64-(ISI)(with M.Bavand) Stability of a mixed type cubic-quartic functional equation in non-Archimedean spaces, *Applied Mathematics Letters*, Doi: [10.1016/j.aml.2010.05.011](https://doi.org/10.1016/j.aml.2010.05.011).
- 65- (ISI) (with A. Najati) Approximately J^* -homomorphisms: A fixed point approach, *Journal of Geometry and Physics*, 60 (2010) 5, 809--814.
- 66- (ISI)(With Ramezani, Ebadian and Park) Quadratic double centralizers and quadratic multipliers, *Advances in Difference Equations*, 2010.
- 67-(ISI)(With Ebadian and Najati) On Approximate Additive–Quartic and Quadratic–Cubic Functional Equations in Two Variables on Abelian Groups, *Results in Mathematics*, 2010, DOI: 10.1007/s00025-010-0018-4.
- 68- (With Baghani, Khodaei and Ramezani) A generalization of Nadler's fixed point theorem, *J. Nonlinear Sci. Appl.* 3 (2010), no. 2, 159--162.
- 69-(ISI) (With Bavand) Stability of a mixed type cubic-quartic functional equation in non-Archimedean spaces, *Appl. Math. Letters*, DOI: 10.1016/j.aml.2010.05.011.**
- 70-(ISI) (with Ghanifard, Khodaei and Park) A fixed point approach to the random stability of a functional equation deriving from quartic and quadratic mappings, *Discrete Dynamics in Nature and Society*, 2010, Article ID: 670542.
- 71-(ISI) (With Khodabakhsh, Khodaei, Park) Approximation of a functional equation associated with inner product spaces, *JIA*, 2010, Art. ID: 428324.
- 72-(ISI) (With Bavand, Ghobadipour, Ebadian and Park) Approximate ternary Jordan homomorphisms on Banach ternary algebras, *AAA*, 2010.
- 73-(With Bodaghi) On the Hyers-Ulam-Rassias Stability problem for quadratic functional equations, *East Journal On Approximations*, Vol. 16, No. 2(2010), 123-130.

Accepted Papers

- 1- Hyers-Ulam-Rassias stability of left multipliers. (to appear in *Nonlinear Functional Analysis and Applications(NFAA)*)

- 2- (With M. Parviz) On the Hyers-Ulam-Rassias stability of the functional equation $f(\sqrt{x^2+y^2})=f(x)+f(y)$ (To appear in Nonlinear Functional Analysis and Applications(NFAA))
- 3- (with A. Ebadian) Approximate identities for left ideals in Banach algebras .
- 4- (With M. Bavand-Savadkouhi and N. Ghobadipour) On the Cauchy-Rassias stability of the functional equation $r^2f(\frac{\sqrt{sx^2+ty^2}}{r})=sf(x)+tf(y)$.
- 5- (With Ghaemi and Hosseinioun) The Banach algebra generated by a compact operator and scalar type spectral operators.To appear in TJMCS.
- 6- (With R. Memarbashi) Extremely inner amenable semigroups. To appear in International Journal of Mathematical Analysis.
- 7- $-(2k+1)$ -weak amenability of group algebras (Persian).
- 8-(ISI) (With Park and Bavand) Stability of a quartic type functional Equation, To appear in FIXED POINT THEORY (FPT).
- 9- (ISI) (With N. Ghobadipour), Stability of (α, β, γ) -derivations on Lie C^* -algebras, To appear in: International Journal of Geometric Methods in Modern Physics (IJGMMP).
- 10-(ISI) (with Ghobadipour) Approximately quartic homomorphisms on Banach algebras, World Applied Sciences Journal.
- 11- (ISI)(With R. Farokhzad Rostami and S. A. R. Hosseinioun) Nearly higher derivations in unital C^* -algebras, To appear in jocaaa.
- 12-(With F. Habibian) Hyers-Ulam-Rassias stability of quadratic derivations on Banach Algebras(In NFAA).
- 13-(ISI)(With N. Ghobadipour) Nearly generalized Jordan derivations. To appear in Mathematica Slovaca.
- 14- (ISI) (With H. Baghani, H. Khodaei and M. Ramezani) Generalized multi-valued contraction mappings, To appear in jocaaa.
- 15-(ISI)Jordan $*$ -homomorphisms between unital C^* -algebras,(to appear in Bull. Korean Math. Soc.).
- 16- Stability of functional equations of several variables deriving from additive and quadratic maps. To appear in Nonlinear Functional Analysis and Applications.

17- On approximate n -ring homomorphisms and n -ring derivations. To appear in *Nonlinear Functional Analysis and Applications*.

18-(ISI) (With H.Khodaei and C. Park) A fixed point approach to the Cauchy-Rassias stability of general Jensen type quadratic-quadratic mappings (to appear in *Bull. Korean Math. Soc.*).

19-(ISI)(With F. Habibi and A. Rejali)Generalization of Johnson's theorem for weighted semigroup algebras (To appear in *Analele Univ. Ovidius Constata, Math series*).

20-(ISI) (With A. Bodaghi) On the stability of quadratic double centralizers on Banach , , To appear in *jocaaa*.

21 -(ISI) -(With Khodaei and Najati) Approximation of cubic mappings with n -variables in β -normed left Banach modules on Banach algebras (To appear in *Bull Korean Math Soc*).

22-(With Ebadian) INEQUALITIES FOR MEROMORPHICALLY P -VALENT FUNCTIONS, *Acta Universitatis Apulensis*,

23-(ISI)(with Ghobadipour and J.M. Rassias) Fuzzy approximately additive - cubic functional equations.(*Australian J. of Basic and Appl. Sci.*)

24-(ISI) (with M. Ramezani, H.Baghani, H. Khodaei) On the stability of some fixed point theorems in F -spaces, *AJBAS*.

25-(ISI) (With Farokhzad and Hosseinioun) *Nearly higher ternary derivations in Banach ternary algebras: An alternative fixed point approach. To appear in WASJ.*

26- (With Najati and Park)GENERALIZED HYERS-ULAM STABILITY OF AN AQCQ-FUNCTIONAL EQUATION IN NON-ARCHIMEDEAN BANACH SPACE, *To appear in TJNSA.*

27-(ISI) (With Th M. Rassias)Ternary homomorphisms between unital ternary C^* -algebras, *Proc, Romanian Acad. Sci.*

28-(ISI) (With Khodaei and Khodabakhsh) General quartic-cubic-quadratic functional equation in non-Archimedean normed spaces, *UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS.*

29-(ISI) *Fixed point methods for the stability of general quadratic functional equation, Fixed Point Theory.*

30-(ISI) (With Ghaemi and Alizadeh) *Higher ternary Jordan derivations on ternary algebras, To appear in AJBAS.*

31-(ISI) (With Khodaei and Najati) *Approximation of cubic mappings with n -variables in β -normed left Banach modules on Banach algebras, Bull Korean Math Soc.*

32-(ISI) (With S.Abbaszadeh) . *Stability of Cauchy–Jensen inequalities in fuzzy Banach spaces, To appear in Journal of Applied and Computational Mathematics.*

Teaching(From 1999 to now)

1- Culcluse 1,2,3 in Shahid Beheshti University+Semnan University+Iran University of Science and Technology +Azad University Tehran Branch+ Azad University Rudehen Branch,...

2- Mathematical Analysis 1,2,3 in Semnan University+ Iran University of Science and Technology + Payame nour University

3- Linear algebra in Tehran University +Semnan university

4- Smooth Manifolds in Semnan University

5- Real Analysis 1 in Semnan University+Shahid Beheshti University

6- Real Analysis 2 in Semnan University

7- Banach Algebras in Semnan University

8- Complex analysis in Iran University of Science and Technology.

9- Applied Functional Analysis in Semnan University

10-Fixed Point Theory in Semnan University

11- Nonlinear Analysis in Semnan University

Graduate students

PHD Dissertation Adviser

1. Fereidoun Habibiyan (Isfahan University)
2. Bahman Hayati(Shahid Beheshti University)
3. Abasalt Bodaghi(Islamic Azad University)

Master Students(in Semnan University):

1. Ladan Arman
2. Maryam Naderi
3. Farzad Rahpeymai
4. Ghamar Jirkarimi

5. Kobra Oustad 6. Mohammad Khezel 7. Ehsan Rashidi 8. Maryam Ramezani 9. Norouz Ghobadipour ,10. Meysam Bavand Savadkouhi, 11-Hamid Khodayi, 12- Somayyeh Zolfaghari, 13-Samira Sarparast, 14-Sadegh Abbaszadeh, 15-Somaye Shabani, 16-Masoumeh Ghanifard, 17- Mahdiah Kamyar

Phd Students: 1- Hamid Khodaei, 2-Maryam Ramezani, 3- Hamid Baghani

Hobbies and Interests

* Kung Fou & Yuga

* Persian Music (SETAR & TAR: Persian instrument).

References

Dr. Mahmoud Filali, Oulu University, Finland.

Dr. Seyed Alireza Hoseiniun, Shahid Beheshti University, Iran.

Dr. Alireza Medghalchi, University for Teacher Education, Iran.

Dr. Masoud Amini, Tarbiyat Modarres University, Tehran, Iran.