



CURRICULUM VITAE

Amin Hosseini

(I) Personal Data

Name: Amin

Surname: Hosseini

Abbreviation: A. Hosseini

Birthday: ۲۸ November ۱۹۸۲

Place of birth: Iran

Nationality: Iranian

Title of M.Sc Thesis: σ - derivations on Banach Algebras

M.Sc. Supervisor: Dr. Mahmoud Hassani

University: Islamic Azad University, Mashhad Branch

Duration of M.Sc. study: September ۲۰۰۵ - June ۲۰۰۷

Title of Ph.D Dissertation: σ -derivations and Generalized σ -derivations on Banach Algebras

Ph.D. Supervisor: Professor Assadollah Niknam

University: Islamic Azad University, Mashhad Branch

Duration of Ph.D. study: October ۲۰۰۸ - November ۲۰۱۱

Present job: Associate Professor of Mathematics

Current appointment: Full-time Permanent

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(II) List of Publications

- ١- **Amin Hosseini**, A. M. Peralta and Shanshan Su, On the equivalence of all notions of generalized derivations whose domain is a C^* -algebra, Linear and multilinear algebra, (**JCR (Q٢), SJR(Q١)**), (accepted).
- ٢- **Amin Hosseini**, M. Hassani and H. R. Moradi, Mean-type inequalities for the numerical radius and the operator norm, Journal of mathematical inequalities, ١٩ (١) (٢٠٢٥), ٢٦١-٢٧٣. (**JCR Q١, SJR**).
- ٣- **Amin Hosseini**, An extension to characterize Jordan higher derivations on triangular rings, **Journal of algebra and its applications**, (Published Online ٢٠٢٥). DOI: [1٠,١١٤٢/S.٢١٩٤٩٨٨٢٦٥٠٠٩١X](https://doi.org/10.1142/S.2194988260091X). (**JCR, SJR**).
- ٤- **Amin Hosseini** and M. H. Rahmani Doust, A novel approach to obtain Leibniz rule for various types of derivations, **Georgian Mathematical Journal**, (Published Online ٢٠٢٥). DOI: [1٠,١٥١٥/gmj-٢٠٢٥-٢٠٠٢](https://doi.org/10.1010/gmj-2020-2002) (**JCR, SJR**).
- ٥- **Amin Hosseini** and Wu Jing, Commuting Jordan Derivations on Triangular Rings Are Zero, **Mathematical Notes**, ٤٤ (٦) (٢٠٢٤), ١٠٠٦-١٠١٦. (**JCR, SJR**)
- ٦- **Amin Hosseini** and N. Ur. Rehman, On the structure of some types of higher derivations, **Kragujevac Journal of Mathematics**, ٤٨(١) (٢٠٢٤), ١٢٣-١٤٤. (**JCR, SJR**)
- ٧- **Amin Hosseini** and M. Hassani, Inequalities involving norm and numerical radius of Hilbert space operators, **Palestine Journal of Mathematics**, ١٣(٤) (٢٠٢٤), ٦٥٧-٦٦٣. (**SJR**).

- 8- **Amin Hosseini**, About the image of strongly generalized derivations of order n , **Boletim Da Sociedade Paranaense De Matemática**, 42 (2024), 1-1. (JCR, SJR)
- 9- **Amin Hosseini** and M. Mohammadzadeh Karizaki, On the derivations, generalized derivations and ternary derivations of degree n , *Rendiconti del Circolo Matematico di Palermo Series 2*, 72 (2023), 2249–2264. (JCR, SJR)
- 10- **Amin Hosseini** and M. Mohammadzadeh Karizaki, On the complex valued metric-like spaces, **Filomat**, 37(10) (2023), 4903–4917. (JCR, SJR).
- 11- **Amin Hosseini**, Shakir Ali and M. Mohammadzadeh Karizaki, Characterization of Jordan two-sided centralizers and related maps on triangular rings, **Georgian Mathematical Journal**, 30(0) (2023), DOI: [10.1515/gmj-2023-2032](https://doi.org/10.1515/gmj-2023-2032). (JCR, SJR).
- 12- **Amin Hosseini**, When ϕ -derivation is continuous and where its image can be found? *Asian-European Journal of Mathematics*, 16(2) (2023). (JCR, SJR)
- 13- **Amin Hosseini**, Some fixed point theorems in the complex valued metric-like spaces, **Lobachevskii Journal of Mathematics**, 44 (2023), 2689–2699. (JCR, SJR)
- 14- **Amin Hosseini**, Reverse Derivations Mapping into the Radical, **Lobachevskii Journal of Mathematics**, 44 (2023), 5203–5207. (JCR, SJR)
- 15- **Amin Hosseini**, A note on the automatic continuity of (ψ, ϕ) -derivations, **Rend. Circ. Mat. Palermo**, 72 (2023), 71–79. (JCR, SJR)

- ۱۶- **Amin Hosseini**, Contributions to Automatic Continuity of (σ, τ) -Derivations on Banach Algebras, **Siberian Advances in Mathematics**, ۳۳ (۲۰۲۳), ۱۵–۲۷. (SJR, WOS, Springer)
- ۱۷- J. Bakhti, Gh. Abbaspour Tabadkan and **Amin Hosseini**, On generalized Jordan $\ast$ -derivations with associated Hochschild $\ast$ -۲-cocycles, Int. J. Nonlinear Anal. Appl. ۱۴(۱) (۲۰۲۳), ۲۱۵۵–۲۱۶۷. (SJR, WOS)
- ۱۸- **Amin Hosseini**, Φ -derivations and commutativity of rings and algebras, *Journal of Mathematical Extension*, ۱۶(۹) (۲۰۲۲), ۱-۱۷. (JCR, ISC, علمی-پژوهشی مصوب وزارت)
- ۱۹- **Amin Hosseini**, What can be expected from the image of σ -derivations on Banach algebras, *Russian Mathematics*, ۶۶ (۲۰۲۲), ۳۸–۵۰. (JCR, SJR)
- ۲۰- M. M. Karizaki, D. S. Djordjević, **A. Hosseini** & M. Jalaeian, Some results about EP modular operators, **Linear and Multilinear Algebra**, ۷۰ (۱۸) (۲۰۲۲), DOI: [10.1080/03081087.2020.1844613](https://doi.org/10.1080/03081087.2020.1844613). (JCR, SJR)
- ۲۱- **Amin Hosseini**, Identities related to generalized derivations and Jordan $(\ast, \star)$ -derivations, **Filomat**, ۳۵ (۷) (۲۰۲۱), ۲۳۴۹–۲۳۶۰, (JCR, SJR)
- ۲۲- ۵- **Amin Hosseini**, On the logarithm of θ -centralizers with some related results, **U.P.B. Sci. Bull., Series A**, ۸۳ (۱) (۲۰۲۱), ۵۱–۵۸. (JCR, SJR)
- ۲۳- J. Farokhi-Ostad, Mehdi Mohammadzadeh Karizaki, M. Ali-Akbari and **Amin Hosseini**, Solutions for the mixed Sylvester operator equations, **Facta Universitatis (NIS) Ser. Math. Inform.** ۳۶(۴) (۲۰۲۱), ۸۳۱–۸۴۲. (WOS)
- ۲۴- **Amin Hosseini** and M. M. Karizaki, Linear mappings satisfying some recursive sequences, **Turkish Journal of Math**, ۴۴ (۲۰۲۰), ۱۵۷۸ – ۱۵۹۴. (JCR, SJR)
- ۲۵- **Amin Hosseini** and A. Fosner, The image of Jordan left derivations on algebras, **Bol. Soc. Paran. Mat.** ۳۸ (۶) (۲۰۲۰), ۵۳–۶۱. (SJR, WOS)

- ۲۶- **Amin Hosseini** and M. M. Karizaki, The non-commutative Newton's binomial formula in non-unital algebras and with a negative power, **Bollettino dell'Unione Matematica Italiana**, ۱۳ (۲۰۲۰), ۳۹–۴۸. (JCR, SJR)
- ۲۷- **Amin Hosseini**, A new proof of Singer-Wermer Theorem with some results on $\{g, h\}$ -derivations, **International Journal of Nonlinear Analysis and Applications**, ۱۱ (۱) (۲۰۲۰), ۴۵۳–۴۷۱. (SJR, WOS, ISC)
- ۲۸- **Amin Hosseini**, Characterization of two-sided generalized derivations, **Acta Sci. Math. (Szeged)**, ۸۶ (۲۰۲۰), ۵۷۷–۶۰۰. (JCR, SJR)
- ۲۹- **Amin Hosseini** and A. Fosner, On the structure of metric-like spaces, **Sahand Communications in Mathematical Analysis**, ۱۴(۱) (۲۰۱۹), ۱۵۹–۱۷۱. (SJR, WOS, ISC)
- ۳۰- **Amin Hosseini** and M. M. Karizaki, Functional equations characterizing σ -derivations, **Acta Scientiarum Mathematicarum (Szeged)**, (۸۵) ۳–۴. (۲۰۱۹), ۴۳۱–۴۴۰. (JCR, SJR)
- ۳۱- N. Ur. Rehman and **Amin Hosseini**, Characterization of some mappings on rings and algebras, **Functional Analysis, Approximation and Computation**, ۱۱ (۲), (۲۰۱۹), ۱–۱۲.
- ۳۲- **Amin Hosseini**, Characterization of some derivations on von Neumann algebras via left centralizers, **ANNALI DELL'UNIVERSITA' DI FERRARA**, ۶۴ (۲۰۱۸), ۹۹–۱۱۰. (SJR, WOS)
- ۳۳- **Amin Hosseini** and A. Fosner, Identities related to (σ, τ) -Lie derivations and (σ, τ) -derivations, **Bollettino dell'Unione Matematica Italiana (BUMI)**. ۱۱ (۲۰۱۸), ۳۹۵–۴۰۱. (JCR, SJR)
- ۳۴- **Amin Hosseini**, Generalized derivations on commutative Von Neumann algebras, **Rend. Circ. Mat. Palermo**, ۶۷ (۲۰۱۸), ۲۲۱–۲۲۷. (JCR, SJR)
- ۳۵- **Amin Hosseini**, Commutativity of Banach algebras characterized by primitive ideals and spectra, **Filomat**, ۳۱ (۲۰۱۷), ۲۰۵۳–۲۰۶۰. (JCR, SJR)

- ۳۶- **Amin Hosseini**, On the image, characterization, and automatic continuity of (σ, τ) -derivations, **Archiv der Mathematik**, ۱۰۹ (۲۰۱۷), ۴۶۱–۴۶۹. (JCR, SJR)
- ۳۷- **Amin Hosseini**, Some conditions under which left derivations are zero, **Filomat**, ۳۱:۱۳ (۲۰۱۷), ۳۹۶۵–۳۹۷۴. (JCR, SJR)
- ۳۸- **A.min Hosseini**, Automatic continuity of (δ, ε) -double derivations on C^* -algebras, **U.P.B. Sci. Bull., Series A**, ۷۹ (۲۰۱۷), ۶۷-۷۲. (JCR, SJR)
- ۳۹- **Amin Hosseini**, Posner's second theorem with two variable σ -derivations, **Journal of Taibah University for Science**, ۱۱ (۲۰۱۷), ۳۳۲-۳۳۶. (JCR, SJR)
- ۴۰- Z. Jokar, **Amin Hosseini** and A. Niknam, Some conditions under which Jordan derivations are zero, **Journal of Taibah University for Science**, ۱۱ (۲۰۱۷), ۱۰۹۵-۱۰۹۸. (JCR, SJR)
- ۴۱- **Amin Hosseini**, What can be expected from a cubic derivation on finite dimensional algebras? **Arab. J. Math.** ۶ (۲۰۱۷), ۷۵-۷۸. (JCR, SJR)
- ۴۲- **Amin Hosseini**, Some conditions under which derivations are zero on Banach $*$ -algebras, **Acta Univ. Sapientiae, Mathematica**, ۹ (۲۰۱۷), ۱۷۶-۱۸۴. (SJR, WOS)
- ۴۳- **Amin Hosseini**, Characterization of δ -double derivations on rings and algebras, **Journal of Linear and Topological Algebra**, 6 (۲۰۱۷), 55-65. (WOS, ISC, علمی-پژوهشی مصوب وزارت)
- ۴۴- **Amin Hosseini**, A characterization of derivations on UMV-Banach algebras, **Turkish Journal of Mathematics**, 40 (۲۰۱۶), ۱۰۵۸-۱۰۷۰. (JCR, SJR)
- ۴۵- **Amin Hosseini**, A general characterization of additive maps on semiprime rings, **Journal of Mathematical Extension**, ۱۰ (۲۰۱۶), ۱۱۹-۱۳۵. (JCR, ISC, علمی-پژوهشی مصوب وزارت)
- ۴۶- Z. Jokar, **Amin Hosseini**, A. Ninam, A Chracterization of generalized higher Lie derivations on algebras, **Gulf Journal of Mathematics**, ۴ (۲۰۱۶), ۷۵-۸۵. (SJR)

- ۴۷- **Amin Hosseini**, characterization of weak n_m -Jordan (α, β) -derivations by generalized centralizers. *Rend. Circ. Mat. Palermo*, ۶۴ (۲۰۱۵), ۲۲۱-۲۲۷. (JCR, SJR)
- ۴۸- **Amin Hosseini**, M. Hassani and A. Niknam, On The Range of a Derivation. *Iranian Journal of Science and Technology , Transactions A: Science*, ۳۸ (۲۰۱۴), ۱۱۱-۱۱۵. (JCR, SJR)
- ۴۹- **Amin Hosseini** and M. Hassani, Some Achievements on Two Variable σ -derivations, *Journal of Mathematical Extension* , ۸ (۲۰۱۴), ۹۳-۱۰۸. (WOS, ISC)
- ۵۰- **Amin Hosseini**, Sinclair's Theorem for Spectrally Bounded Jordan Higher Derivations, *Gulf Journal of Mathematics* , ۲ (۲۰۱۴), ۴۳-۴۹. (SJR)
- ۵۱- M. Hassani and **Amin Hosseini**, On Two Variable Derivations and Generalized Centralizers, *Journal of Advanced Research in Pure Mathematics* , ۶ (۲۰۱۴), ۳۸-۵۱.
- ۵۲- **Amin Hosseini**, M. Hassani and A. Niknam , Some Results On Generalized σ -derivatons, *Journal of Advanced Research in Pure Mathematics* , ۵ (۲۰۱۳), ۶۱-۷۲.
- ۵۳- **A. Hosseini**, M. Hassani and A. Niknam , Generalized σ -derivation on Banach algebras, *Bulletin of the Iranian Mathematical Society*, ۳۷ (۲۰۱۱), ۸۱-۹۴. (JCR, SJR)
- ۵۴- **A. Hosseini**, M. Hassani, A. Niknam and S. Hejazian, Some Results on sigma-derivations, *Annals of Functional Analysis* , ۲ (۲۰۱۱), ۷۵-۸۴. (JCR, SJR)
- ۵۵- M. Mohammadzadeh Karizaki and **Amin Hosseini**, عملگری $X - AXB = C$ و $AX + *C = B$ در هیلبرت های مدول $*$ -Wavelet and Linear Algebra, ۶ (۲) (۱۳۹۸), ۱۹۱-۲۰۸. (ISC, علمی-پژوهشی مصوب وزارت)

(III) Submitted Manuscripts

- ١- **Amin Hosseini**, On the ternary homomorphisms.
- ٢- **Amin Hosseini**, Solutions of exponential functional equations.
- ٣- **Amin Hosseini**, An extension of Zorn's Lemma.
- ٤- **Amin Hosseini**, On the generalized integrations of rings.
- ٥- **Amin Hosseini**, Some functional identities characterizing two-sided centralizers and two-sided generalized derivations.
- ٦- **Amin Hosseini**, Automatic continuity of strongly generalized derivations on C^* -algebras.
- ٧- **Amin Hosseini** and C. Park, Automatic continuity of (σ, τ) -ternary derivations on Banach algebras.
- ٨- **Amin Hosseini**, Characterization and automatic continuity of generalized derivations via functional identities.

(IV) Participation in Conferences and Workshops

۱. **Amin Hosseini**, On M.V- Banach Algebras., The γ^{nd} Seminar on Linear Algebra and its Applications. Ferdowsi University of Mashhad, Iran, ۲۰۱۴.
۲. M. Hassani and **Amin Hosseini** , Generalized sigma-derivation". ξ^{th} Annual Iranian Mathematics Conference, Vali Asr University, Rafsanjan, Iran, ۲۰۱۱.
۳. M. Hassani and **A. Hosseini**, Two Variables σ -derivations, The Fourth International Conference in Mathematical Sciences. Al Ein: UAE, ۲۰۱۲.
۴. **Amin Hosseini**, Generalized centralizers on rings, International Conference in Applied Science and Technology. Malaysia, ۲۰۱۴.
- ۵- **Amin Hosseini**, Commutativity of Banach algebras via spectrum, The γ^{nd} Seminar on operator theory and its Applications, Shiraz University, Shiraz, Iran, ۲۰۱۵.
- ۶- **Amin Hosseini**, Commutativity of Banach algebras with derivations, The ξ^{nd} Seminar on Functional analysis and its Applications, Ferdowsi University of Mashhad, Mashhad, Iran, ۲۰۱۶.
- ۷- **Amin Hosseini**, On the image of cubic derivations and generalized derivations, The γ^{nd} Seminar on operator theory and its Applications, Ferdowsi University of Mashhad, Mashhad, Iran, ۲۰۱۷.
- ۸- **Amin Hosseini**, A simple proof of Singer-Wermer Theorem and some results on the image of left derivations, ξ^{th} Annual Iranian Mathematics Conference, Bu-Ali Sina University, Hamedan, Iran, ۲۰۱۷.
- ۹- **Amin Hosseini**, Characterization of generalized derivations by some equations, γ^{th} Seminar on Harmonic Analysis and Applications, Hakim Sabzevari University, Sabzevar, Iran, ۲۰۱۸.
۱۰. The First Workshop on Functional Analysis , Islamic Azad University, Mashhad Branch, Mashhad, Iran, ۲۰۱۰.

۱۱. Workshop on Analysis Structures , Ferdowsi University Of Mashhad, Mashhad, Iran, ۲۰۱۴.

۱۲. Workshop on "How to write an article?" Ferdowsi University of Mashhad, Mashhad, Iran.

(V) Awards

۱. Distinguished M.Sc. Student, Islamic Azad University, Mashhad, Iran, ۲۰۰۷.

۲. Elected my M.Sc thesis as the best thesis in science group, Islamic Azad University, Iran, ۲۰۰۷.

۳. Elected as a distinguished teacher among the Mathematical teachers in high school, Mashhad, ۲۰۱۱-۲۰۱۲.

۴- Elected as a distinguished researcher among academic members of Kashmar Higher Education Institute, ۲۰۱۷, ۲۰۱۸, ۲۰۱۹, ۲۰۲۰, ۲۰۲۱, ۲۰۲۳, ۲۰۲۴.

(VI) Teaching Courses

(a) **Undergraduate:** Calculus I-II-III, Abstract Algebra, Mathematical Analysis I-II, Complex Functions, Differential Equations, Discrete mathematics, Linear Algebra, Abstract Algebra, Sets Theory, Number Theory, Combinatorial Theory, Numerical Analysis, Engineering Mathematics, Basic Principles of Probability and Statistics, Basic Principles of matrices.

(b) **Postgraduate (MSc and PhD):** Operator Theory, Functional Analysis, Banach Algebras.

(VII) Research Interests (MSC ۲۰۰۰)

(۴۶Hxx), Banach Algebras, C*-Algebras, Hilbert C*-modules.

(۱۳N۱۵), Derivations, σ -derivations, Generalized σ -derivations, Higher derivations, Homomorphisms.

($\mathbb{B}^{\mathbb{V}}$, $\mathbb{B}^{\mathbb{L}}$), Centralizers, Generalized Centralizers, Two Variable Derivations, two-sided generalized derivations.

($\mathbb{B}^{\mathbb{V}}$), Functional equations on Banach Algebras and Rings.

($\mathbb{A}^{\mathbb{V}}$, $\mathbb{A}^{\mathbb{L}}$, $\mathbb{L}^{\mathbb{V}}$), Equations involving linear operators, Matrix equations and identities, C^* -modules.

($\mathbb{H}^{\mathbb{V}}$), Fixed point theorem.

(VIII) Computer proficiency

Windows XP and LaTeX.

(IX) Editor and Reviewer

- 1- **Editor of Journal of Mathematical Extension (WOS, ISC)**
- 2- **Reviewer for American Math. Soc. (Mathematical Reviews)**

(X) Referee in

- 1. Journal of Mathematical Extension. (**JCR, ISI, ISC**)
- 2. Annales Math. Silesianae. (**JCR, SJR**)
- 3. International journal of nonlinear analysis and applications. (**WOS, SJR, ISC**)
- 4. Control and Optimization in Applied Mathematics. (**ISC**)
- 5. Commentationes Mathematicae Universitatis Carolinae. (**JCR, SJR**)
- 6. Turkish Journal of Mathematics. (**JCR, SJR**)
- 7. Journal of linear and topological algebra. (**ISC**)
- 8. Sahand communications in mathematical analysis. (**SJR**)
- 9. Complex analysis and operator theory. (**JCR**)
- 10. International Journal of Applied and Computational Mathematics. (**SJR, WOS, Springer**)
- 11. Journal of frame and matrix theory.

(XI) Postgraduate Students under the Supervision

- (a) M. Sc:** Mohsen Olfati, The maps preserving spectrum, Khayyam University, Mashhad, ۲۰۱۴.
- (b) M. Sc:** A. Madjid Besharat, A study on the range of a derivation, Hakim Sabzevary University, ۲۰۱۷.
- (c) Ph.D:** Zahra Jokar, Characterization of Derivations and centralizers on rings and algebras, ۲۰۱۷.
- (d) Ph.D:** Javad Bakhti, Derivations and centralizers on triangular rings. ۲۰۲۳.

