



Assistant Professor

*Faculty of Mathematical Sciences, Shahrood University of Technology, P. O. Box
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EDUCATION

Ph.D.

Pure Mathematics (Harmonic Analysis), Ferdowsi University of Mashhad, Mashhad, Iran, 2008-2012.

Thesis title : Character inner amenability of certain Banach algebras.

Supervisor : Prof. H. R. Ebrahimi Vishki,

Advisor : Prof. M. S. Moslehian.

M.Sc.

Pure Mathematics (Analysis), Amirkabir University of Technology , Tehran, Iran, 1997-1999.

Thesis title : Topological centers of certain Banach algebras.

Supervisor: Prof. G. H. Esslamzadeh.

B. Sc.

Pure Mathematics, Shahid Bahonar University of Kerman, Kerman, Iran, 1993-1997.

HONORS AND AWARDS

Ranked " first" in a graduating class at Ph.D level.

Ranked 3th in Ph.D entrance exam (2009).

Reviewer of

- 1) Bulletin of the Iranian Mathematical Society.
- 2) Journal of advanced research in Pure Mathematics. (USA).
- 3) Wavelets and Linear Algebra. (Iran).
- 4) Sahand Communications in Mathematical Analysis. (Iran).
- 5) Journal of Hyperstructures. (Iran).

Courses Taught

1-Ms. c

Real Analysis
Functional Analysis
Harmonic Analysis
Stochastic Processes

2-Bs. c

Calculus I & II
Set theory
Number theory
Complex functions
Mathematical Analysis
Differential equations and dynamical systems

Publications

JOURNAL PAPERS

1-(ISI) H. R. Ebrahimi Vishki and A. R. Khoddami, Character inner amenability of certain Banach algebras, Colloq. Math. 122 (2), 2011), 225-232.

2-(ISI) A. R. Khoddami and H. R. Ebrahimi Vishki, The higher duals of a Banach algebra induced by a bounded linear functional, Bull. Math. Anal. Appl., 3 (2011) , 118-122.

- 3-(ISI) A. R. Khoddami and H. R. Ebrahimi Vishki, Biflatness and biprojectivity of Lau product of Banach algebras, *Bull. Iran. Math. Soc.*, 39(3), (2013), 559-568.
- 4- (MathSciNet) A. R. Khoddami, n-weak amenability of T-Lau product of Banach algebras, *Chamchuri. J. Math.*, 5 (2013), 57-65.
- 5-(ISI) H. R. Ebrahimi Vishki and A. R. Khoddami, n-weak amenability for Lau product of Banach algebras, *U.P.B Sci. Bull., Series A*, Vol. 77, Iss. 4, (2015), 177-184 .
- 6-(ISI) A. R. Khoddami and M. Hasani, Endomorphisms and automorphisms of certain semigroups, *Journal of Semigroup Theory and Applications*, Accepted, September 2014.
- 7- (MathSciNet) A. R. Khoddami, On Banach algebras induced by a certain product, *Chamchuri. J. Math.*, 6 (2014), 89-96.
- 8- (Scopus) A. R. khoddami, Strongly zero-product preserving maps on normed algebras induced by a bounded linear functional , *Khayyam J. Math*, 1 (2015), no. 1, 107-114.
- 9- (MathSciNet) A. R. Khoddami, On maps preserving strongly zero-products, *Chamchuri. J. Math.*, 7 (2015), 16-23.
- 10- (ISI-Scopus) A. R. Khoddami, On strongly Jordan zero-product preserving maps, *Sahand Communications in Mathematical Analysis (SCMA)*, Vol. 3 No. 1 (2016), 53-61.
- 11- (MathSciNet) A. R. Khoddami, On the algebra $M_{2 \times 2}(R_\varphi)$ generated by a non-zero vector space and a non-zero linear functional, *Transactions on Algebra and its Applications* 2 (2016), 33-42.
- 12- (MathSciNet), A. R. Khoddami, On the formal power series algebras generated by a vector space and linear functional, *Journal of Hyperstructures*, 6 (1) (2017), 1-9.

13- (ISI) A. R. Khoddami, The second dual of strongly zero-product preserving maps, Bull. Iran. Math. Soc., 43 (6), (2017), 1781-1790.

14- (ISI) A. R. Khoddami, Biflatness, biprojectivity, φ –amenability and φ –contractibility of a certain class of Banach algebras, U.P.B Sci. Bull., Series A, Vol. 80, Iss. 2, (2018), 169-178 .

15- (ISI-Scopus) A. R. khoddami, A certain class of character module homomorphisms on normed algebras, Sahand Communications in Mathematical Analysis (SCMA), Vol. 12 No. 1 (2018), 113-120.

16- (ISI) A. R. Khoddami, Bounded and continuous functions on the closed unit ball of a normed vector space equipped with a new product, U.P.B Sci. Bull., Series A, Vol. 81, Iss. 2, (2019), 81-86 .

17-() A. R. Khoddami, A generalized notion of orthogonality preserving mappings on inner product modules, submitted.

18- (ISI -Scopus) A. R. Khoddami, Non-equivalent norms on $C^b(K)$. Accepted.

19-(Scientific-Research Ministry) A. R. Khoddami, weak and cyclic amenability of certain function algebras. Accepted.

CONFERENCE PAPERS

1- H. R. Ebrahimi Vishki and A. R. Khoddami, Character inner amenability of $A \otimes B$, 41th Annual Iranian Mathematics Conference 12-15 September 2010, University of Urmia, Urmia, Iran, 29-31.

2- A. R. Khoddami, On character amenability of T-Lau product of Banach algebras, The 44th Annual Iranian Mathematics Conference, 27-30 August 2013, Ferdowsi University of Mashhad, Iran, 348-350.

- 3- A. R. Khoddami and M. Hasani, Common terms of two arithmetic sequences, 5th Iranian Conference on applied Mathematics, September 8-10, 2013, 660-661.
- 4- A. R. Khoddami, On semigroups generated by vector spaces, 6th group theory Conference of Iran, Golestan University, 12-13 March 2014.
- 5- A. R. Khoddami and M. Hasani, On a certain Fredholm integral equation of the second kind, 11th seminar of differential equations and dynamical systems 23-25 June 2014, Damghan University, Damghan.
- 6- A. R. Khoddami, Zero-product (Jordan zero-product) preserving maps on certain algebras, The 45th Annual Iranian Mathematics Conference, August 26-29, 2014, Semnan University, Semnan.
- 7- A. R. Khoddami, Some miscellaneous properties of θ – Lau product of algebras, The 45th Annual Iranian Mathematics Conference, August 26-29, 2014, Semnan University, Semnan.
- 8- A. R. Khoddami, On maps preserving strongly Lie zero-products, 3rd Seminar on Harmonic Analysis and Applications, January 21-22, 2015, University of Yazd, Iran.
- 9- A. R. Khoddami, Module hypercyclicity of operators, 12th seminar on differential equations and dynamical system, 27-29 May 2015, University of Tabriz, Iran.
- 10- A. R. Khoddami, Module topologically transitive and module weakly mixing operators., 12th seminar on differential equations and dynamical system, 27-29 May 2015, University of Tabriz, Iran.
- 11- A. R. Khoddami, Best approximation in normed left modules, The 46th Annual Iranian Mathematics Conference, 25-28 Aug. 2015, University of Yazd, Iran.

12- A. R. Khoddami, Lie product on algebras generated by a vector space and a linear functional, The 4th Seminar on Functional Analysis and its Applications, 2-3rd March 2016, Ferdowsi University of Mashhad, Iran.

13- A. R. Khoddami, Strongly orthogonality preserving mappings on inner product modules, The 4th Seminar on Functional Analysis and its Applications, 2-3rd March 2016, Ferdowsi University of Mashhad, Iran.

14- A. R. Khoddami, On the formal power series algebras over a certain class of associative algebras. 4th Seminar on algebra and its applications, August 9-11, 2016, University of Mohaghegh Ardabili.

15- A. R. Khoddami, Idempotent and nilpotent elements of 2×2 matrices with entries in a certain class of associative algebras, 4th Seminar on algebra and its applications, August 9-11, 2016, University of Mohaghegh Ardabili.

16- A. R. Khoddami, Some hereditary properties of character inner amenable Banach algebras, 47th Annual Iranian Mathematics Conference, Kharazmi University, Karaj, Iran, 28-31 August 2016.

17- A. R. Khoddami, Weighted counting measures defined by linear functional, The 22th seminar on mathematical analysis and its applications, University of Bonab 25-26 January 2017.

18- A. R. Khoddami, Some relations between derivations and strongly zero-product preserving maps, The 22th seminar on mathematical analysis and its applications, University of Bonab 25-26 January 2017.

19- A. R. Khoddami, Character module homomorphisms on normed algebras, The 5th seminar on functional analysis and its applications, 12-13 July 2017, University of Zanjan.

- 20- A. R. Khoddami, On certain probability spaces, The 5th seminar on functional analysis and its applications, 12-13 July 2017, University of Zanjan.
- 21- A. R. Khoddami, The relations between amenability and character module homomorphisms, 48th Annual Iranian mathematics conference, Bu-Ali Sina University, Hamedan, August 22-25, 2017.
- 22- A. R. Khoddami, φ – contractibility, φ –amenability, bijectivity and biflatness of Banach algebras related to the elements of the unit ball of a Banach algebra, 48th Annual Iranian mathematics conference, Bu-Ali Sina University, Hamedan, August 22-25, 2017.
- 23- A. R. Khoddami, Peaking properties on Banach function algebras, The 6th seminar on harmonic analysis and applications, Jan 31- Feb 1, 2018, Hakim Sabzevari University.
- 24- A. R. Khoddami, On uniform Banach function algebras, The 6th seminar on harmonic analysis and applications, Jan 31- Feb 1, 2018, Hakim Sabzevari University.
- 25- A. R. Khoddami, A sequential version of peaking properties in Banach function algebras on locally compact Hausdorff spaces, The 4th seminar on operator theory and its applications, 7-8 March 2018, University of Bojnord.
- 26- A. R. Khoddami, Peak set preserving maps on locally compact Hausdorff spaces, The 4th seminar on operator theory and its applications, 7-8 March 2018, University of Bojnord.
- 27- A. R. Khoddami, Some properties of $C^{b\varphi}(\overline{B_1^0})$, 49th Annual Iranian mathematical conference, August 23-26, 2018, Iran University of Science & Technology.