

# M. Amyari's C.V.



## **(I) Personal Data**

**Name: Maryam**

**Surname: Amyari**

**(Abbreviation: M. Amyari)**

**Birthday: 18 May 1964**

**Place of birth: Gorgan, Iran**

**Nationality: Iranian**

**Title of Ph.D dissertation: Hilbert and Finsler Modules over  $C^*$ -algebras**

**Ph.D. Supervisor: Full Professor Assadollah Niknam**

**Present job: Full Professor**

**Mail address: Department of Mathematics, Mashhad Branch,  
Islamic Azad University, Mashhad 91735, Iran.**

**Spouse's name: Mohammad Sal Moslehian (Full Professor of Mathematics: Functional Analysis)**

**Children: Anahita Sal Moslehian and Arash Sal Moslehian**

**E-mail address: amyari@mshdiau.ac.ir and maryam\_amyari@yahoo.com**

**Fax: 0098-513-8817375**

**Tel-Office: (+98)(513)(8817375)**

Google Scholar [https://scholar.google.com/citations?user=qcN\\_wFgAAAAJ](https://scholar.google.com/citations?user=qcN_wFgAAAAJ)

Publons: <https://publons.com/researcher/3829738/maryam-amyari/>

Mendeley: <https://www.mendeley.com/profiles/maryam-amyari/>

<https://www.linkedin.com/in/maryam-amyari-36b79767/>

ORCID: [0000-0002-3681-0975](https://orcid.org/0000-0002-3681-0975)

Scopus Author Id(56026532100 )

## List of papers

1. M. Amyari and A. Majidi, “The Banach-Stone theorem in Finsler  $C^*$ -modules”,  
a. *Complex Anal. Oper. Theory*, 15 (2021), no. 4. DOI:10.1007/s11785-021-01112-8.
2. M. Amyari and M. Moradian Khibary, “More on  $\omega$ -orthogonalities and  $\omega$  – parallelism”,  
a. *Math. Inequal. Appl.*, 24 (2021), no 2, 463-476.
3. Y. Khatib, M. Hassani and M. Amyari, “Refinements of numerical radius inequalities via Specht’s ratio”, *JME.*, Vol. 16, no. 7 (2022).
4. M. Torabian , M. Amyari, M. Moradian Khibary, “More on  $\omega$ -orthogonalities and  $\omega$  – parallelism”,  
*Linear Multilinear Algebra*, DOI: 10.1080/03081087.2020.1809618.
5. Saraei and M. Amyari, “Approximately orthogonality preserving maps in Krein spaces”,  
a. *Aequationes Math.* 94 (2020), no. 1, 137–149.
6. 3. Y. Khatib, M. Hassani and M. Amyari, “An extension of the operator Kantorovich inequality”,  
a. *Tbilisi Math. J.* 13 (2020), no. 4, 183-191.
7. M. Mehrazin, M. Amyari, A. Zamani, “Numerical Radius Parallelism of Hilbert Space Operators”  
a. *Bull. Iranian Math. Soc.* 46 (2020), no. 3, 821--829.
8. M. Mohammadi Gohari and M. Amyari, The operator-valued parallelism  
a. and norm-parallelism in matrices, *Indian J. Pure Appl. Math.*, 51(2020), no 4, 1305-1316.
9. A. Khalili, M. Amyari, “A-valued norm parallelism in Hilbert A-modules”, *AIMS Mathematics*,  
4 (2019), no. 3, 527–533.
10. Y. Khatib, M. Hassani and M. Amyari, “Near continuous g-frames for Hilbert  $C^*$ -modules”,  
1. *JME.*, Vol. 13, no. 4, (2019), 131-142.
11. A. Saraei and M. Amyari, “Orthogonality preserving mappings in Krein spaces”,  
i. *J. Math. Anal.*, 3 (2019), no. 10, 112-122.
12. A. Majidi and M. Amyari, “On maps that Preserve  $*$ -products of operators in  $B(H)$ ”,  
i. *TOJIMS, Aletheia University*, 33(1) (2019), 47-55.
13. M. Mohammadi Gohari and M. Amyari, “Parallelism in Hilbert  $K(H)$ -modules”,  
i. *Tbilisi Math. J.* 12 (2019), no. 2, 67-75.
14. Z. Heydarbeygi, M. Amyari, “Some refinements of the numerical radius inequalities via Young inequality”, *Kragujevac J. Math.*, 45 (2021), no. 2, 191-202.
15. Z. Heydarbeygi, M. Amyari and M. Khanegir, “Some refinements of numerical radius inequalities”, *Ukrainian Math. J.*, 72 (2020), no. 10, 1443-1451.
16. M. Mehrazin, M. Amyari and M. Erfanian Omidvar, “A new type of Numerical radius of operators on Hilbert  $C^*$ -modules”, *Rend. Circ. Mat. Palermo (2)*, 69 (2020), no. 1, 29--37.

17. L. Alizadeh, M. Hassani and M. Amyari, “Standard atomic decompositions in Hilbert  $C^*$ -modules”, *J. Math. Anal.*, 9 (2018), no. 2, 140-149.
18. M. Amyari and R. Hassanniah, “Orthogonality in Finsler  $C^*$ -modules”,  
i. *Commun. Korean Math. Soc.* 33 (2018), no. 2, 561-569.
19. A. Majidi and M. Amyari, “Maps preserving quasi-isometries on Hilbert  $C^*$ -modules”,  
1. *Rocky Mountain J. Math.*, 48(2018), no 4, 1219-1229.
20. M. Mohammadi Gohari and M. Amyari, “Refinements of the Heinz inequalities for  
1. operators and matrices”, *Math. Slovaca*, 68(2018), no 6, 1431-1438.
21. L. Naranjani, M. Hassani and M. Amyari, “Dynamical Systems on Hilbert modules over  
1. locally  $C^*$ -algebras”, *Kragujevac J. Math.*, 42(2) (2018), 239-247.
22. M. Khaneghir, M. Amyari and M. Moradian Khibary. “Pushout diagrams of  $H^*$ -algebras”,  
1. *Math. Reports*, 19(69), 1(2017), 97-106.
23. E. Keyhani, M. Hassani, M. Amyari, “A generalization of Martindale's theorem to  
( $\alpha, \beta$ )-homomorphism”, *Int. J. Nonlinear Anal. Appl.*, 7 (2016), no 2, 143-151.
24. M. Mohammadzadeh Karizaki, M. Hassani, M. Amyari, “Moore-Penrose  
inverse operators on Hilbert  $C^*$ -modules”, *Filomat* 30:13 (2016), 3397–3402.
25. M. Khaneghir, M. Amyari and M. Moradian Khibary, “Pullback diagram of Hilbert  
1. Modules over  $H^*$ -algebras”, *Kragujevac J. Math.* 39 (2015), no. 1, 21-30.
26. M. Mohammadzadeh Karizaki, M. Hassani, M. Amyari and M. Khosravi, “Operator matrix of  
Moore-Penrose inverse operators on Hilbert  $C^*$ -modules”, *Colloq. Math.*, Vol. 140 (2015), No. 2,  
171-182.
27. R. Hassanniah, M. Amyari and M. Hassani, “Imprimitivity Finsler  $C^*$ -bimodules”, *Nonlinear Functional  
Analysis and Applications*, Vol. 19, No. 4 (2014), 479-487.
28. M. Khaneghir, M. Amyari and M. Moradian Khibary, “Pullback diagram of  $H^*$ -algebras”,  
*Turkish J Math.* 38(2014), 318-324.
29. M. Amyari, M. Chakoshi, “Representations of Direct Sums of Hilbert  $C^*$ -Modules”, *Kochi J. Math.*  
8(2013), 1-12.
30. M. Amyari, M. Chakoshi and M. S. Moslehia, “Quasi-Representations of Finsler -modules over  $C^*$ -  
algebras”, *J. Operator Theory*, 70:1(2013), 101-110.
31. M. Amyari and M. Chakoshi, “Pullback diagram of Hilbert  $C^*$ -modules”, *Math. Commun.* 16(2011), 569-  
575.
32. M. Amyari and M. Chakoshi, “A Generalization of Stone's theorem in Hilbert  $C^*$ -modules”, *J. Korea Soc.  
Math. Educ., Ser. B, Pure Appl. Math.* 18 (2011), No. 1, 31-39.
33. M. Amyari and G. Sadeghi, “Isometric in non-Archimedean strictly convex and strictly  
2-convex 2-normed spaces”, *Nonlinear Analysis and Variational Problems*, Springer Verlag,

Berlin (2009), 13-22.

34. M. Amyari, "Stability of generalized Lie  $(\sigma, \tau)$ -derivations", *Tamsui Oxf. J. Math. Sci.* 1. 24(4) (2008), 389-399.
35. M. Amyari and M. Mirzavaziri, "Ideally factored algebras", *Acta Math.* 1. *Acad. Paedagog. Nyházi. (N.S.)* 24 (2008), No. 2, 227-233.
36. M. Amyari, F. Rahbarnia and G. Sadeghi, "Some results on stability of extended derivations", *J. Math. Anal. Appl.*, 329 (2007), 753-758.
37. M. Amyari, C. Baak, M.S. Moslehian, "Nearly ternary derivations", *Taiwanese J. Math.* 11(2007), No. 5, 1417-1424.
38. M. Amyari and M.S. Moslehian, "Hyers-Ulam-Rassias stability of derivations on Hilbert  $C^*$ -modules", *Contemporary Math*, 427(2007), 31-39.
39. M. Amyari, "Stability of  $C^*$ -inner products", *J. Math Anal. Appl.* 322 (2006), 214--218.
40. M. Amyari and M.S. Moslehian, "Approximate homomorphisms of ternary semigroups", *Lett. Math. Phys.* 77 (2006), 1-9.
41. M. Amyari, "On stability of a Pexiderized equation on amenable abelian groups", *Aust. J. Math. Anal. and Appl.* 3 (2006), No. 1, Art. 3, 1-5.
42. M. Amyari and A. Niknam, "A note on Finsler modules", *Bull. Iran. Math. Soc.*, 29 (2003), No. 1, 77-81.
43. M. Amyari and A. Niknam, "On homomorphisms of Finsler modules", *Int. Math. J.* 3 (2003), No. 3, 277-281.
44. M. Amyari and A. Niknam, "Inner products on a Hilbert  $C^*$ -module", *The Journal of Analysis*, 10 (2002), 87-92.
45. M. Amyari and M.S. Moslehian, "Godstein theorem and its philosophic result", *Golchin-e Riazi*, (Farsi), 2(1994), No. 1, 31-3.

1-علی خلیلی قلی آبادی و مریم امیاری ، نگاشتهای حافظ تعامد روی فضاهاى  $C^*$ -مدول ضرب داخلی،  
**Orthogonality preserving mappings on inner product  $C^*$  -modules**  
پژوهش های نوین در ریاضی، سال پنجم، شماره بیستم، مهر و آبان 1398، 49-55، 46.

### **List of Extended Abstracts, and Abstracts:**

1. M. Amyari and A. Saraei " Orthogonality in Krein spaces", The 49th Annual Iranian Mathematics Conference, 23-26 August 2018, Iran University of Science and Technolgh, Iran.
2. M. Amyari and A. Majidy, "Maps preserving partial-isometries on Hilbert  $C^*$ -modules", The 3rd Seminar on Operator Theory and its Applications 8-9th March 2017, Ferdowsi University of Mashhad, Iran.

3. **Z. Heydarbeygi and M. Amyari**, "Orthogonality in 2-Hilbert  $C^*$ -module", The 3rd Seminar on Operator Theory and its Applications 8-9th March 2017, Ferdowsi University of Mashhad, Iran.
4. **M. Amyari and A. Majidy**, "On the relation between  $\varphi$  and  $\varphi$ -morphism", The 4th Seminar on Functional Analysis and its Applications 2-3rd March 2016, Ferdowsi University of Mashhad, Iran.
5. **M. Amyari and Ali Khalili**, " On Preserving orthogonality on inner product A-modules", The 4th Seminar on Functional Analysis and its Applications 2-3rd March 2016, Ferdowsi University of Mashhad, Iran.
6. **M. Amyari**, "A note on Pullback diagram of Hilbert  $C^*$ -Modules", Workshop on Function spaces, Harmonic Analysis and Related Topics, 27-30 April 2015, Karlstad, Sweden.
7. **M. Amyari and R. Hassannia**, "Associted ideal subbimodule of Hilbert  $C^*$ -bimodules", The 45th Annual Iranian Mathematics Conference, 26-29 August 2014, Semnan University, Iran.
8. **M. Amyari and M. Imaninezhad**, " Hilbert  $C^*$ -modules which are into Hilbert spaces", The 7th Seminar on Linear Algebra and its Applications, 26-27 February 2014, Ferdowsi University of Mashhad, Iran.
9. **M. Imaninezhad and M. Amyari**, " An Extension of  $H^*$ -algebras", The 7th Seminar on Linear Algebra and its Applications, 26-27 February 2014, Ferdowsi University of Mashhad, Iran.
10. **M. Amyari and R. Hassannia**, " On Finsler  $C^*$ -bimodules", The 44th Annual Iranian Mathematics Conference, pp 190-193, 27-30 August 2013, Ferdowsi University of Mashhad, Iran.
11. **M. Imaninezhad and M. Amyari**, " A class of Finsler modules", The 44th Annual Iranian Mathematics Conference, pp 305-307, 27-30 August 2013, Ferdowsi University of Mashhad, Iran.
12. **M. Amyari and M. Imaninezhad**, Positively full Hilbert  $C^*$ -modules " 43rd Annual Iranian Mathematics Conference, pp 260-262, 27-30 August 2012, University of Tabriz, Iran.
13. **M. Amyari**, " Stability of  $(\sigma, \tau)$ -Jordan Derivations", International Conference on Mathematical Inequalities and Nonlinear Functional Analysis with Applications, Gyeongsang National University, Chinju, July 25-29, 2012, Korea.
14. **M. Amyari and M. Chakoshi**, "Some remarks on Hilbert  $C^*$ -Module representations " 19th Mathematical Seminar On the Analysis and its applications, pp 145-147, 19-20 February 2011, University of Mazandaran, Babolsar, Iran.

15. **M. Amyari and M. Chakoshi**, "Pullback and Pushout Constructions in Finsler Modules " 19th Mathematical Seminar On the Analysis and its applications, pp 84-87, 19-20 February 2011, University of Mazandaran, Babolsar, Iran.
16. **M. Amyari and M. Chakoshi**, " Infinitesimal Generator of A Unitary Operator on Hilber  $C^*$ -Module ", 41th Iranian International Conference On Mathematics, 12-15 September, 2010, Urmia, Iran.
17. **M. Amyari and M. Chakoshi**, "Pullback Diagram in a Hilber  $C^*$ -Module"41th Iranian International Conference On Mathematics, 12-15 September, 2010, Urmia, Iran.
18. **M. Amyari and Gh. Sadeghi**, " Mapping On Non-Archimedean Strictly 2-Convex 2-Normed Spaces", 18<sup>th</sup> Seminar on Mathematical Analysis and its Applications,pp 57-60, April, 2009, Tarbiat Moallem University, Iran.
19. **M. Amyari**, " A product on a Banach module ", 38<sup>th</sup> Annual Iranian Mathematics conference, September, 2007, Zanjan, Iran.
20. **M. Amyari**, " On stability of homomorphisms on Banach algebras", 5th International Conference on Topological Algebras and Applications (ICTAA 2005), Athens, Greece.
21. **M. Amyari**, "Two inner products on a Hilber  $C^*$ -Module", 14<sup>th</sup> Seminar on Mathematical Analysis and its Applications, February 2004, Tehran, Iran.
22. **M. Amyari and A. Niknam**, "On the involutions of Hilbert  $C^*$ -modules", 13<sup>th</sup> Seminar on Mathematical Analysis and its Applications, pp 33–36, March 2003, Isfahan , Iran.
23. **M. Amyari**, " Some results on Finsler modules" Conference Topological Algebras, their Applications, and Related Topics, May 2003, Bedlewo, Poland.
24. **M. Amyari**, " On Finsler Modules" 33<sup>th</sup> Annual Iranian Mathematics conference, August 2002, Mashhad, Iran.
25. **M. Amyari**, " Finsler Modules and isomorphisms of  $C^*$ -algebras", International Congress of mathematicians, August 2002, Beijing, China.

#### **List of Translations:**

1. David M. Bressoud, Why do we teach calculus? *Amer. Math. Monthly*, Vol 99, No. 7, translated by M. Amyari, Farhang va Andishe-ye Riazi, Vol 17, No. 1, 1998. (in Persian)
2. James M. Henle, An Outline of Set Theory, Springer-Verlag, 1986. (in Persion)

#### **List of Books:**

- 1-M. Amyari, J. Izadian and Z. Azemoodeh, Topics in complex functions. Sokhan gostar,

2013. (in Persian)

2-M.Amyari, Orthogonality and parallelism in normed linear spaces, Vajegan kherad

2021. (in Persian)

### Career History

Position	Organization	City/Country	from (year) to (year)
1. Lecturer	Azad Univ.	Mashhad, Iran	1994-2004.
2. Assistant Professor	Azad Univ.	Mashhad, Iran	2004-2011.
3. Associate Professor	Azad Univ.	Mashhad, Iran	20011-peresent.

### Memberships in International Societies

Role	Organization	Office held	from(year) to (year)
1. Ordinary member	Amer. Math. Soc.	USA	1998-1999
2. Ordinary member	Iranian Math. Soc.	Iran	1987-present
3. Ordinary member	Int. Lin. Alg. Soc.	USA	1999-present
4. Ordinary member	Inter. Soc. of Differ. Eq.	USA	1999-present

### Teaching Course

(a) **Undergraduate:** Calculus (I), Calculus (II), ), Calculus (III), Analysis (I), Analysis (II), Topology, Set Theory, Algebra (I), Algebra (II), Linear Algebra, Philosophy of Mathematics, History of Mathematics, English for the students of Mathematics, Complex variables.

(b) **Graduate:** Real Analysis (I), Functional Analysis (I), Operator Theory, Algebraic Topology,

(c) C\*-algebras, Banach algebras, Functional Analysis (II).

### Services to Professional Communities

1. Representative of Iranian Math. Soc. in Is. Azad Univ. of Mashhad 1999-20012.
2. A Reviewer of [Mathematical Reviews](#) (American Math. Soc.), 2006-present.
3. A Reviewer of [Zentralblatt Math](#) (European Math. Soc.), 2007-present.