Curriculum Vitae

Ghadir Sadeghi (Associate Prof.)

Name: Ghadir
Surname: Sadeghi (Abbreviation: Gh. sadeghi)
Birthday: 21 September 1975
Place of birth: Mashhad, Iran
Nationality: Iranian
Present job: Associate Professor of Mathematics
Current appointment: Full-time Permanent
Spouse's name: Fatemeh Baghizadeh
Children: Maral and Marina

Office Address: Department of Mathematics and Computer Sciences, Hakim Sabzevari University, Sabzevar, Iran.

P.O. Box: 9617976487

Phone (Office): +(9851) 44013197 --- 09155135276

Fax (Office): +(9851) 44013182

Email:ghadir54@gmail.com**;** g.sadeghi@hsu.ac.ir

Educations

PhD., Mathematical Analysis (Functional Analysis)
FerdowsiUniversity of Mashhad, Mashhad, Iran, 2009
    Supervisor: Prof. M. S. Moslehian.

M.S. , Pure Mathematics,(Amenability of Matrix Algebras)
YazedUniversity of Technology,Tehran, Iran,2000
    Advisor: Prof. S. M.Vaezpour

B.S., Pure Mathematics,
Birjand University, Birjand, Iran**,** 1997

Employment

I have taught in the Hakim Sabzevari University since 2008.

Membership of societies:

Iranian Mathematical Society

Publications:

A: Scientific Papers Published in Journals

1-J. Chmieliński, D. Ilišević, M.S. Moslehian and Gh. Sadeghi, Perturbation of the Wigner equation in inner product C*-modules, *J. Math. Phys*. 49 (2008), no. 3, 0335191--0335198, 8 pp.

2. M.S. Moslehian and Gh. Sadeghi, A Mazur-Ulam theorem in non-Archimedean normed spaces, *Nonlinear Anal*. (TMA) 69 (2008), no. 10, 3405-3408.

3. M.S. Moslehian and Gh. Sadeghi, Perturbation of closed range operators, *Turkish J. Math*. 33, (2009), 143-149.

4- M.S. Moslehian and Gh. Sadeghi, Stability of linear mappings in quasi-Banach modules, Math. *Inequal. Appl.* 11 (2008), no. 3, 549–557.

5-M.S. Moslehian and Gh. Sadeghi, Stability of two types of cubic functional equations in non-Archimedean spaces, *Real Anal. Exchange,* 33(2) (2007/2008), 375-384.

6- M. Amyari, F. Rahbarnia and Gh. Sadeghi, Some results on stability of extended derivations, *J. Math. Anal. Appl.*, 329 (2007), 753-758.

7- M. Amyari and Gh. Sadeghi , Isometric in non-Archimedean strictly convex and strictly 2-convex 2-normed spaces, *Nonlinear Analysis and Variational Problems. SringerVerlag, Berlin* (2009), 13-22.

8-F. Rahbarnia, R. Saadati, Gh. Sadeghi, Isometries in Probabilistic 2- Normed Spaces, Journal Of *The Chungcheong Mathematical Society*, Volume 21, 2009.

9-Gh. Sadeghi and A. A. Arefijamaal, von Neumann-Schatten frames in separable Banach spaces, *Mediterr. J. Math*. 9 (2012), 525–535.

10- R. Saadati and Gh. Sadeghi , Nonlinear stability of a quadratic functional equation with complex involution, *Archivum Mathematicum,* Volume 47, 111-117, 2011.

11- *Gh. Sadeghi*, A quadratic type functional equation, *Bulletin of Mathematical Analysis and Applications*, Volume 2, 130-136, 2010.

12- S. Zhang, R. Saadati *and* Gh. Sadeghi , Solution and stability of mixed type functional equation in

non-Archimedean random spaces, *Applied Mathematics and Mechanics*, 32 (2011) , 663-676.

13- *J. M. Rassias, R. Saadati,* Gh. Sadeghi and J. Vahidi , On nonlinear stability in various random normedspaces, *Journal of Inequalities and Applications* , 62 (2011) , 1-18.

14- Gh. Sadeghi, R. Saadati, M. Janfada and J. M. Rassias, Stability of Euler-Lagrange quadratic functional equation in non-Archimedean normed spaces , *Hacettepe Journal of Mathematics and Statistics* , 40 (2011) , 571- 579

15- M. Janfada and Gh. Sadeghi, Generalized Hyers-Ulam of functional equations with involution in quasi β-normed spaces , . *Appl. Math. &Informatic* , 25 (2011) , 1421-1433.

16- F. Rahbarnia, Th. M. Rassias, R. Saadati and Gh. Sadeghi, Forti's approach in fixed point theory and the stability of a functional equation on metric and ultra metric spaces, *Journal of Computational Analysis and Applications*, 13 (2011), 458-462.

17- Y. J. Cho, R. Saadati and Gh. Sadeghi, Quasi-Contractive Mappings in Modular Metric Spaces, *Journal of Applied Mathematics* Volume 2012, Article ID 907951, 5 pages.

18-*Gh. Sadeghi*, A fixed point approach to stability of functional equations in modular spaces, *Bull. Malays. Math. Sci. Soc*. (2) 37(2) (2014), 333–344.

19- Gh. Sadeghi, Non-commutative Orlicz spaces associated to a modular on τ- measurable operators, *J. Math. Anal. Appl*.Volume 395, (2012) 705-715.

20- R. Saadati, *Gh. Sadeghi,* Approximate homomorphisms and derivations in proper JCQ^*-triples via a fixed point method, *ExpositionesMathematicae*, *Volume 31, Issue 1*, *2013*, *Pages 87-97.*

21- B. Azadifar, M. Maramaei, Gh. Sadeghi, "Common fixed point theorems in modular G-metric spaces", *Journal Nonlinear Analysis and Application* 2013 (2013) 1-9.

22- B. Azadifar, M. Maramaei, Gh. Sadeghi," On the modular G-metric spaces and fixed point theorems*", J. Nonlinear Sci. Appl.* 6 (2013), 293-304.

23- B. Azadifar, Gh. Sadeghi, R. Saadati and C. Park, Integral type contractions in modular metric Spaces , *Journal of Inequalities and Applications*, 2013

24- A. Arefejamaal, Gh. Sadeghi, "Frames in 2-inner Product Spaces ", *Iranian Journal of Mathematical Sciences and Informatics* Vol. 8, No. 2 (2013), pp 123-130.

25- Gh. Sadeghi, " On The Orthogonal Stability of The Pexiderized Quadratic Equations in Modular Spaces ", *Tamsui Oxford Journal of Information and Mathematical Sciences*,29(3) (2013) 295-307.

26- M. Janfada, Gh. Sadeghi, " Stability of the Voltrraintegodiffential equation", *Folia Mathematica* Vol. 18, No. 1, pp. 11–20.

27- R. Saadati, Gh. Sadeghi, Th. M. Rassias," Approximate generalized additive mappings in proper multi-$CQ*$-algebras ", *Filomat*, 28:4 (2014), 677–694.

28- Gh. Sadeghi, " Inequalities for sums of independent random variables in Lorentz spaces", *Rocky Mountain J. Math.* 46 (2015), 1631- 1638.

29- T. Shateri, Gh. Sadeghi, " Stability of derivations in modular spaces " *Mediterranean J. of Mathematics,* 11 (2014), 929–938.

30- M.S. Moslehian and Gh. Sadeghi, Inequalities for trace on τ-measurable operators, *Commun. Appl. Math. Comput.*28 (2014), no. 4, 379-389.

31-Gh. Sadeghi and M.S. Moslehian, Inequalities for sums of random variables in noncommutative probability spaces, *Rocky Mountain J. Math.,* Volume 46, Number 1 (2016), 309-323.

32- Gh. Sadeghi and M.S. Moslehian, Noncommutative martingale concentration inequalities, *Illinois J. Math*, 58 (2014), no. 2, 561-575.

33- Gh. Sadeghi and R. Saadati, On geometrical properties of noncommutative modular function spaces, New York J. Math. 21 (2015) 759-781.

34- M. Mohsenipour and Gh. Sadeghi, Atomic Decomposition of Martingale Weighted Lorentz Spaces with Two-parameter and Applications, *Rocky Mountain J. Math. 47, no 3* (2017).

35- M. Mohsenipour and Gh. Sadeghi, Interpolation between weighted Lorentz spaces with respect to a vector measure, *Hacettepe Journal of Mathematics and Statistics* (to appear).

36- A. Arefejamaal and Gh. Sadeghi, von Neumann-Schatten dual frames and their perturbations, *Results. Math.* 69 (2016), 431–441.

37- M. Mohsenipour and Gh. Sadeghi, Atomic decompositions of martingale Hardy-Lorentz spaces and interpolation, *Filomat* 31 (2017), 5921-5929.

38- A. Talebi, Gh. Sadeghi and M.S. Moslehian, Noncommutative Blackwell--Ross martingale inequality, *Infin. Dimens. Anal. Quantum. Probab. Relat. Top.* 21 (2018) 753-762.

39- A. Talebi, M.S. Moslehian and Gh. Sadeghi, Etemadi and Kolomogorov inequalities in noncommutative probability spaces, *Michigan Math*. J. 68 (2019), 57-69

40- M. Mohsenipour and Gh. Sadeghi, Interpolation between continuous parameter martingale Hardy- Lorentz and BMO spaces, *Analysis Math*. 45 (2) (2019), 375–389.

41- A. Arefijamaal, F. Arabyani and Gh. Sadeghi, Extreme points and identification of optimal alternatedual frames, *Linear Algebra Appl*. 549 (2018) 123-135.

42- M. Nazarianpour, J.M. Rassias and Gh. Sadeghi, Solution and stability of quattuorvigintic functional equation in intuitionistic fuzzy normed spaces, *Iranian J. Fuzzy Systems* 15 (2018), 13-30.

43- Gh. Sadeghi, and A. Talebi, Atrick for investigation of near-martingales in quantum probability spaces, Adv. Oper. Theory 4 (2019), no. 4, 784–792.

44- A. Talebi, Gh. Sadeghi and M.S. Moslehian , A representation of noncommutative BMO spaces, Statistics and Probability Letters 153 (2019) 65–70.

45- Gh. Sadeghi, "Martingales for tree filtrations in von Neumann algebras", *Complex Analysis and Operator Theory* (2020).

46- F. Arabyani, A. Arefijamaal and Gh. Sadeghi, Numerically and Spectrally Optimal Dual Frames in Hilbert Spaces, *Linear Algebra and its Applications* 604 (2020) 52–71.

49- M. Nazarianpour, Gh. Sadeghi, On the stability of the Pexiderized cubic functional equation in multi-normed spaces, (*SCMA*) Vol. 9 No. 1 (2018), 45-83.

50- M.S. Moslehian*, Gh. Sadeghi* and M. Pliev, "Inequalities for Acceptable Noncommutative Random Variables", *Infin. Dimens. Anal. Quantum. Probab. Relat* (2020) 2050012.

51- A. Arefijamaal, M. Shamsabadi and Gh. Sadeghi," Duals and multipliers of K-fusion frames ", *J. Pseudo-Differ. Oper. Appl.* (2020) 11:1621–1633.

52- Gh. Sadeghi, M.S. Moslehian, "Noncommutative Mixing sequences and mixingales" (submmited).

53- Gh. Sadeghi, M.S. Moslehian and A. Talbi, "Maximal inequalities in quantum probability spaces" (submmited).

54- Gh. Sadeghi, M.S. Moslehian and A Talebi, "Noncommutative Freedman inequality" (submmited).

55- Gh. Sadeghi, A. Talebi, and M.S. Moslehian, A glance at noncommutative probability spaces, J. Math. thought and culture of Iranian Math. Soc. (to appear). (in Persian)

56- Gh. Sadeghi and M. Divandar, "Acceptable random variables in noncommutative probability spaces" Mathematical Researches (Sci. Kharazmi University) (to appear). (in Persian).

C. Scientific Paper Presented in Conferences and Workshops

1**. The Wigner Equation in Hilbert W*-modules**, 18th. Sem. On Analysis, 26-27 Farvardin, 1388 (April 15-16, 2009) Tmu, Iran. With Professor M. S. Moslehian.

2. **Perturbation of Closed Range Operators**, AIMc39-Kerman 1387/6/4, With Professor M. S. Moslehian.

3.**A Mazur –Ulam theorem in non-Archimedean normed space** ,Conference on Inequalities and Applications '07
(September 9--15, 2007; Noszvaj, Hungary), With Professor M. S. Moslehian.

4. "**الگوریتم تولید توپولوژی های مجوع ی متناهی**" ,":" , 42th annual Iranian mathematics conference, Vali-e-Asr University of Rafsanjan, Rafsanjan , Iran, 6 Sep. 2011.With E. Zokai

5. "**Uniform Kadec-Klee property in noncommutative modular spaces of measureable operators**"**,** The Extended Abstracts ofThe 44th Annual Iranian Mathematics Conference27-30 August 2013, Ferdowsi University of Mashhad, Iran.

6. **Some trace inequalities for τ–measurable operators**, 1st Seminar on Harmonic Analysis and Applications,January 23–24, 2013, Isfahan University of Technology, Iran

7. "**Real interpolation of Lorentz spaces wiyh respect to vector measure",** The 7th Seminar on Linear Algebra and its Applications Ferdowsi University of Mashhad, Iran26-27th February 2014, With M. Mohsenipour.

8**. "ON THE UNIFORM OPIAL PROPERTY"**, ICM SATELLITE CONFERENCE ON OPERATOR ALGEBRAS AND APPLICATIONS, AUGUST 8-12, 2014 , CHEONGPUNG, KOREA.

9. "**Some inequalities on noncommutative probability spaces",**

19th International Linear Algebra Society Conference (ILAS 2014), (ICM Satellite Conference) Seoul, Korea.

10. "**Real interpolation method of martingale spaces**" , 46th Annual Iranian Mathematics Conference, 25-28 August 2015, Yazd University, Iran.

11. "**Sublinear operators on two-parameter martingale spaces**", 46thAnnual Iranian Mathematics Conference, 25-28 August 2015, Yazd University, Iran.

12. **Workshop on Noncommutative Probability Spaces and Related Topics**, Invited speaker , Chungbuk National University, Korea, 2016, a lecture on " **Noncommutative modular function spaces**"

13. "**Noncommutative Random inequalities**", The 2th Seminar on Operator Theory and its Applications 11-12 Nov. 2015, Shiraz University, Shiraz, Iran.

14**. "Modular spaces associated to semi-finite von Neumann algebras**"
The VII joint International Conference of the Georgian Mathematical Union (GMU) and Georgian Mechanical Union (GeoMechU), September 5-9, 2016, Batumi, Georgia**.**

15**.** "**Martingale inequalities in Noncommutative probability spaces",** the 5st Seminar on Harmonic Analysis and Applications Organized by the Iranian Mathematical Society January 18–19, 2017, Ferdowsi University of Mashhad, Iran.

16.**" Riesz decomposition for noncommutative near-submartingales"**, The 4*th* Seminar on Operator Theory and its Applications 7-8 March 2018, University of Bojnord, Iran.

Awards, Honors

Elected as a distinguished researcher among academic members of Department of Mathematics and Computer Sciences, Hakim Sabzevari University , 2011, 2012, 2014.

Elected as a distinguished teacher among academic members of Hakim Sabzevari University, Sabzevar, Iran.

 The center of excellence in analysis on algebraic structures Ferdowsi University of Mashhad, Mashhad, Iran, 2018….

Reviewer for

🔴 **European Math. Soc. (Zbl)**

🔴 **American Math. Soc. (MR)**

Membership in Organizing Committee of Conferences

1) Scientific and organizing committees of the 4th Seminar on Functional Analysis and its Applications, Mashhad, 2016.
2) Scientific and organizing committees of the 4th Seminar on Operator theory and its Applications, Bojnord, 2018.
3) Scientific and organizing committees of the 5th Seminar on Operator theory and its Applications, Zanjan, 2018.
4) A member of scientific committee of the 3rd Seminar on Operator Theory and its Applications, Mashhad, Iran, 8-9 March 2017.
5) A member of scientific committee of the 3rd Seminar on Harmonic Analysis and applications Sabzevar, Iran, 17-19 January 2018.

Membership in Editorial Boards

A member of editorial board of "**Journal of Mathematics and Computer Science** (J. Math. Computer Sci.)" 2010-present.

Masters Students Advised

1- M. Pakdaman, "On common fixed point theorem for mappings in Banach spaces", 2010

2- A. Gohari Asl, "Frames associated with measurable spaces", 2011.

3- N. Gharzi, "Some approximation in operator algebras", 20011.

4-B. Azadifar, "Fixed point theory in modular Spaces", 2012.

5- M. Maramai, " Topics in modular metric spaces ", 2012.

6- E. Esfidani, "Komlós theorem in Banach function spaces", 2012.

7-E. Moradi, "Stability of functional equations and shadowing ", 2012.

8-M. Divandari, "Orthogonal stability of functional equations", 2013.

9-S. Hasanniya, "Clarkson Inequalities for operators on Hilbert spaces", 2013.

10- M. Nikseper, "p-integrable function with repect to a vector measure", 2015.

11- Z. Mirzakhanzadeh, "Banach spaces with the Daugavet property", 2015.

12- B. Alinasab, "Martingale inequalities in Banach function sapaces", 2016.
13- H. Jalili, "Discrete-time stochastic processes on Riesz spaces", 2017.

14- M. Fyzabadi, " Martingales in Banach lattice", 2018.

Ph.D Students Advised

1-M. Mohsenipour, Banach function spaces and vector measures, (2016). (Supervisor)

2-M. Nazariyanpour., Stability functional equation on normed spaces (2017). (Supervisor)

3-M. Divandar, Probability inequalities and martingales in Riesz spaces, (2021) (Supervisor)
4- A. Talebi, Noncommutative Probability Spaces, 2018 (advisor) FerdowsiUniversity of Mashhad,

Mashhad.

5- F. Arabyani, (2017) (advisor)

6- M. Shamsabadi, (2018) (advisor)

7- F. Agheshteh, (2021) (advisor)

اجرایی

عضو سومین دوره هیات ممیز دانشگا حکیم سبزواری

مدیر گروه ریاضی محض دانشکده ریاضی و علوم کامپیوتر دانشگاه حکیم سبزواری
1390 – 1392

عضو شورای پژوهشی دانشگاه حکیم سبزواری 1396- 1398

عضو شورای تحصیلات تکمیلی دانشکده ریاضی و علوم کامپیوتر دانشگاه حکیم
سبزواری 1392- 1398

عضو کمیته ترفیع دانشکده ریاضی و علوم کامپیوتر دانشگاه حکیم سبزواری 1390 تا
کنون

دبیر اجرایی ششمین سمینار آنالیز هارمونیک و کاربرد های آن بهمن ماه 1396