



Javad Farokhi-Ostad
Birjand
P.O.Box: 397
PostalCode:
9617976487
Iran

Javad Farokhi-Ostad

About me

I was born into a religious family in the holy city of Mashhad in 1983. I graduated from Shahid Farazi Mashhad high school with distinction in 2002. I was then admitted to Birjand University to do a bachelor's degree in mathematics in the October of the same year. During my studies there, I was also engaged in cultural and social activities in addition to studying science, resulting in a pilgrimage to Mecca in 2006 as a cultural elite with the caravan "The Elites of Umrah", a representation of my deep interest in religious studies. As regards mathematics, my research interest and experience encompass a wide range of sub-disciplines such as pure mathematics (Functional Analysis, Operator Theory) as well as applied mathematics (Soft and Rough Set Theory, Data Mining, Signal processing, etc.).

Current position

Assistant Professor,

Department of Basic Sciences,
Birjand University of Technology,
Postal Code 9719866981,
Birjand,
Iran.

j.farrokhi@birjandut.ac.ir

javadfarrokhi90@gmail.com

Tel-Office: (+98)(56)(32391275), Mobile: +98-9155192679

Born

Faridy, July 1, 1983, Mashhad, Iran

Nationality and Native Language

Iranian , Persian

Areas of specialization

Functional Analysis

Operator Theory

Data Mining

Rough set theory

Education

2014-2019: PHD in Functional Analysis,

Received First Class Honour

Birjand University, Birjand, Iran.

Title of Ph.D Dissertation: “Modular operators on Hilbert C^* -modules and some results about their products” Score: 19.25 from 20.

Ph.D. Supervisor: Dr Ali Reza Janfada.

2006-2008: MSc in Harmonic Analysis

Received First Class Honour

Hakim Sabzevari University, Sabzevar, Iran.

Title of M.Sc Thesis: “Gabor frame and its relation to the principle of qualitative uncertainty”, Score: 19.25 from 20.

M.Sc. Supervisor: Professor Ali Akbar Arefijamaal.

2002-2006: B.Sc. in Pure Mathematics

Birjand University, Birjand, Iran.

Teaching

Calculus I, Calculus II, Differential Equations, Linear Algebra, Fundamentals of Mathematical Analysis, Fundamentals of Mathematical Sciences, Fundamentals of Matrices and Linear Algebra, Complex functions, Numerical Method, ...

Membership of societies

Iranian Mathematical Society,

Representative of the IMS at Birjand University of Technology,

Reviewer for Mathematical Reviews of AMS(American Mathematical Society)

Publications & talks

Journal articles

1. A. A. Estaji, T. Haghdadi and **J. Farokhi-Ostad**, L-ideals and rough sets based on L-ideals, *Knowledge and Information Systems*, 2021, 63 (3), 647673.
2. **J. Farokhi-Ostad**, Mahdi Mohammadzadeh Karizaki, Mahdi Aliakbari and Amin Hosseini, Solutions for the mixed Sylvester operator equations, *Facta Universitatis. Series: Mathematics And Informatics*, 2021, Accepted
3. A. A. Estaji, **J. Farokhi-Ostad** and T. Haghdadi, Base and weight of Boolean I-contact algebras, *Accepted for publication in Bulletin of the Iranian Mathematical Society*, 2021, To appear.
4. H. Baghani, Michal Fečkan, **J. Farokhi-Ostad** and J. Alzabut, New existence and uniqueness result for fractional BagleyTorvik differential equation, *Miskolc Mathematical Notes*, To appear, 2021.
5. M. Mohammadzadeh Karizaki and **J. Farokhi-Ostad**, New identities of Moore–Penrose inverses of operator products and their reverse order law, *Calcolo*, 2021, Accepted.
6. A. A. Estaji, T. Haghdadi and **J. Farokhi-Ostad**, Topobooleans and Boolean contact algebras with interpolation property, *Accepted for publication in Filomat*, 2021.
7. **J. Farokhi-Ostad** and A. R. Janfada, Two equal range operators on Hilbert C^* -modules, *Sahand Communications in Mathematical Analysis*, 2021, Available Online.
8. H. Baghani, J. Alzabut, **J. Farokhi-Ostad** and J. J. Nieto, Existence and uniqueness of solutions for a coupled system of sequential fractional differential equations with initial conditions, *Journal of Pseudo-Differential Operators and Applications*, 2020, Vol. 11, No. 4, 1731-1741.
9. **J. Farokhi-Ostad** and A. R. Janfada, On Closed Range C^* -modular Operators, *The Australian Journal of Mathematical Analysis and Applications*, 2018, Vol. 15, No. 2, 1–7.
10. **J. Farokhi-Ostad** and A. R. Janfada, Products of EP operators on Hilbert C^* -modules, *Sahand Communications in Mathematical Analysis*, 2018, Vol. 10, No. 1, 61–71.
11. **J. Farokhi-Ostad** and M. Mohammadzadeh Karizaki, The reverse order law for EP modular operators, *J. Math. Computer Sci*, 2016, Vol. 16, 412–418.
12. **J. Farokhi-Ostad**, O. Baghani and H. Baghani, Robust Error Analysis of Solutions to Nonlinear Volterra Integral Equation in L^p Spaces, *The Australian Journal of Mathematical Analysis and Applications*, 2016, Vol. 13, No. 1, 1–7.
13. **J. Farokhi-Ostad** and M.H. Rezaei-Gol, Some Properties of Closed Range Operators, *International Journal of Mathematics Trends and Technology (IJMTT)*, 2016, Vol. 38, No. 3, 172–177.

Journal articles

14. M.H. Rezaei-Gol and **J. Farokhi-Ostad**. Especially Coupled Fixed Point Theorems in Partially Fuzzy Normed Space, *International Journal of Mathematics Trends and Technology (IJMTT)*, 2016, Vol. 38, No. 4, 172–177.
 15. A. A. Estaji, T. Haghdadi and **J. Farokhi-Ostad**, Fuzzy nexus over an ordinal, *Journal of Algebraic Systems*, 2015, Vol, 31, No. 1, 65–82.
-
16. **J. Farokhi-Ostad** and A. R. Janfada, Convergence of bounded sequences in Hilbert C^* -modules equipped with orthonormal basis, *Int J. Nonlinear . Anal. Apple.*, (2021), Accepted.
 17. **J. Farokhi-Ostad** and A. R. Janfada, On closed range and normal operators in Hilbert C^* -modules(In Persian), *Wavelets and Linear Algebra*, (2021), Accepted.
 18. T. Haghdadi and **J. Farokhi-Ostad**, Uni-soft substructures of Lie algebras, *ournal of Algebraic Systems (JAS)*, (2021), Submitted.

Book

1399 J. Farokhi-Ostad, *Moore - Penrose inverse and its applications in operator theory*, (Waiting for permission), 4derakht Publishers, Birjand, Iran.

Seminar articles and talks

1 J. Farokhi-Ostad, G-frames and special modular operators, 51th Annual Iranian Mathematics Conference (AIMC51), 16-19 Feb, 2021, University of Kashan, Iran.

2 J. Farokhi-Ostad, M. Mohammadzadeh Karizaki and M. Aliakbari, Some results about generalized inverse for modular operators based on its components, 51th Annual Iranian Mathematics Conference (AIMC51), 16-19, Feb 2021, University of Kashan, Iran.

3 M. Mohammadzadeh Karizaki, J. Farokhi-Ostad and M. Aliakbari, Reverse order law for Moore-Penrose inverses of operators with acting involution, 51th Annual Iranian Mathematics Conference (AIMC51), 16-19, Feb 2021, University of Kashan, Iran.

4 J. Farokhi-Ostad, Operational Equations Systems, 10th Seminar on Linear Algebra and its Applications, 16-19, August 2020, Kerman, Iran.

5 M. Mohammadzadeh Karizaki and J. Farokhi-Ostad, The solution of the operator equations system, 4th Seminar on Operator Theory and Its Applications, March 7-8, 2018, University of Bojnord, Iran.

6 J. Farokhi-Ostad and A. R. Janfada, Triple reverse order law for some Moor-Penrose invertible operators, 4th Seminar on Operator Theory and Its Applications, March 7-8, 2018, University of Bojnord, Iran.

7 J. Farokhi-Ostad and M. Mohammadzadeh Karizaki, A system of mixed Sylvester-type of operator equations, 4th Seminar on Operator Theory and Its Applications, March 7-8, 2018, University of Bojnord, Iran.

8 J. Farokhi-Ostad, A. R. Janfada A solution of operator equation on Hilbert C^* modules, 9th Seminar on Linear Algebra and its Applications, 5-6 July, 2017, University of Tabriz, Iran.

9 J. Farokhi-Ostad, A. R. Janfada A characterization for Moore-Penrose invertible operators on Hilbert C^* modules, 9th Seminar on Linear Algebra and its Applications, 5-6 July, 2017, University of Tabriz, Iran.

10 J. Farokhi, A. R. Janfada, Closed range of two product projection, 5th Seminar on Functional Analysis and its Applications, July 12-13, 2017, University of Zanjan, Iran.

11 J. Farokhi-Ostad, A. R. Janfada, A characterization of EP operators on Hilbert C^* modules, 5th Seminar on Functional Analysis and its Applications, July 12-13, 2017, University of Zanjan, Iran.

12 J. Farokhi-Ostad, A. R. Janfada, On the norm inequality of Moor-Penrose inverse based on modular operators, 48th Annual Iranian Mathematics Conferences (AIMC48), August 22-25, 2017, Bu-Ali Sina University Hamedan, Iran.

13 J. Farokhi-Ostad, A. R. Janfada, On the closedness of the range of the product of modular operators, 9th National Conference of Mathematics of Payame Noor University, 17-18 October 2017, Kerman, Iran.

Seminar articles and talks

- 14 J. Farokhi-Ostad and T. Haghdadi, Fuzzy Wavelet: New definition, 3th National Industrial Mathematics Conference 26 May 2016, Tabriz, Iran.
- 15 J. Farokhi-Ostad and T. Haghdadi, The extended of coupled fixed point theorem, 3th National Industrial Mathematics Conference 26 May 2016, Tabriz, Iran.
- 16 A. R. Janfada and J. Farokhi-Ostad, On topological zero divisor graph, 3th National Industrial Mathematics Conference 26 May 2016, Tabriz, Iran.
- 17 J. Farokhi-Ostad and M. Mohammadzadeh Karizaki Commuting modular operator, 2nd seminar on operator theory and its applications, 11-12 November 2015, Shiraz University, Iran.
- 18 M. Mohammadzadeh Karizaki and J. Farokhi-Ostad The reverse order low, 2nd seminar on operator theory and its applications, 11-12 November 2015, Shiraz University, Iran.
- 19 T. Haghdadi and J. Farokhi-Ostad, Admissibility conditions for groups generated by two matrices, 2th National Industrial Mathematics Conference 27 May 2015, Tabriz, Iran.
- 20 H. Baghani, J. Farokhi-Ostad and O. Baghani, A new method for error analysis in generalized Volterra integral equations in L^p space, 46th Annual Iranian Mathematics Conference (AIMC 46), 25-28 August 2015, Yazd University, Iran.
- 21 H. Baghani, J. Farokhi-Ostad and O. Baghani, On existence, uniqueness and stability of integral equation of a nonlinear, 46th Annual Iranian Mathematics Conference (AIMC 46), 25-28 August 2015, Yazd University, Iran.
- 22 J. Farokhi-Ostad On Existence and Uniqueness of Solutions of Volterra-Fredholm on Banach-Valued Integral Equation, 2th National Industrial Mathematics Conference, 27 May 2015, Tabriz, Iran.
- 23 J. Farokhi-Ostad, H. Baghani and O. Baghani, Fixed point results for mappings satisfying weakly contractive condition in partially ordered complete metric spaces, 21th Seminar on Mathematical Analysis and its Applications, 26-27 November 2014, Hamedan, Iran.
- 24 M. Mohammadzadeh Karizaki, J. Farokhi-Ostad, M. Hassani, The product of operators matrix with closed range, 21th Seminar on Mathematical Analysis and its Applications, 26-27 November 2014, Hamedan, Iran.
- 25 J. Farokhi-Ostad, H. Baghani and O. Baghani, Existence and uniqueness of L^1 solutions for integral equation in several variable, 21th Seminar on Mathematical Analysis and its Applications, 26-27 November 2014, Hamedan, Iran.
- 26 A. A. Estaji, T. Haghdadi, and J. Farrokhi Ostad, Fuzzy nexus over an ordinal, 24th Iranian Algebra Seminar, November 12-13, 2014, Kharazmi University, Iran.

Seminar articles and talks

27 J. Farokhi-Ostad and H. Baghani, Common fixed point theorems involving two pairs of weakly compatible mappings, 45th Annual Iranian Mathematics Conference (AIMC45), 26-29 August 2014, Seman, Iran.

28 M. Mohammadzadeh Karizaki and J. Farokhi-Ostad, Moore penrose inverse of product bounded adjointable module maps., 45th Annual Iranian Mathematics Conference (AIMC45), 26-29 August 2014, Seman, Iran.

29 J. Farokhi-Ostad and H. Baghani, Moore penrose inverse of product bounded adjointable module maps., 44th Annual Iranian Mathematics Conference (AIMC44), 27-30 August 2013, Mashhad, Iran.

30 J. Farokhi-Ostad, The new Expression of uncertainly principle In mathematics and Its relation with Electromagnet, 13th International Conference on Magnet, 4-5 September 2013, Hamat, Tunes.

31 J. Farokhi-Ostad, EP modular operators and triple reverse order law, 1th Seminar on Harmonic Analysis and Applications, 21-22 January 2013, Isfahan, Iran.

32 M. Mohammadzadeh Karizaki and J. Farokhi-Ostad Admissibility Conditions for Groups Generated by Two Matrices Hilbert C^* modules, 1th Seminar on Harmonic Analysis and Applications, 21-22 January 2013, Isfahan, Iran.

Computer software

- Latex
- Xepersian
- Mathematica
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint

Research Project

J. Farokhi-Ostad, *Reverse Order Law in Hilbert C^* -Modules*, Birjand, Iran, 1396.

J. Farokhi-Ostad and T. Haghdadi, *Evaluation of customers of Tadjizkaran Shargh Company based on a mathematical model taken from soft and rough sets*, in Persian, Mashhad, Iran. 1398-1399.

Services to Professional Communities

Referee for some National and International Research Journals