

Curriculum Vitae

Seyedeh Somayeh Jafari

Personal Details

Date of Birth: September 16, 1981

Nationality: Iranian

Marital Status: Married

Office: Payame Noor University, Kabudrahang branch, Hamedan, Iran.

Phone: +988135221144

Fax: +988135224774

E-mail: ss.jafari@pnu.ac.ir, ss.jafari@alumni.iut.ac.ir

Education

- Ph.D. Isfahan University of Technology, Iran, 2021
 - M.Sc. Isfahan University of Technology, Iran, 2006
 - B.Sc. Razi University, Iran, 2003
-

Qualifications

2021 ▪ Ph.D. in Mathematics, Harmonic Analysis. average: 19.25, 1st rank.

Thesis title: *Topological center of Banach algebras induced by a unitary representation.*

Supervisor: Prof. Rasoul Nasr-Isfahani.

2006 ▪ M.Sc. in Mathematics, Harmonic Analysis, average: 16.46, 3rd rank.

Thesis title: *Approximate amenability of Banach algebras.*

Supervisor: Prof. Rasoul Nasr-Isfahani.

2003 ▪ B.Sc. in Pure Mathematics, average: 15.41, 2nd rank.

Research Interest:

Abstract harmonic analysis, Approximation theory, Banach algebras, Operator theory, Unitary representations

Publications and Presentations

1. (ISC) **S.S. Jafari**, *Weak and ideal amenability of $L_0^\infty(G)^*$* , Oral presentation at 54th Annual Iranian Mathematics Conference, University of Zanjan, Zanjan, Iran. (2023)
2. (ISC) **S.S. Jafari**, *Existence of positive operators associated with locally compact groups*, Oral presentation at the 12th International Seminar on Linear Algebra and its Applications, Sahand University of Technology, Tabriz, Iran. (2023)
3. (ISC) **S.S. Jafari**, *Amenability of certain Banach algebras related to locally compact groups*, Oral presentation at the 25th Seminar on Analysis and Its Applications, Lorestan University, KhorramAbad, Iran. (2023)
4. (ISC) **S.S. Jafari**, *Notes on weakly almost G -periodic operators*, Oral presentation at the 25th Seminar on Analysis and Its Applications, Lorestan University, KhorramAbad, Iran. (2023)
5. (ISC) **S.S. Jafari**, *Certain topological centers between a group algebra and its second dual*, Oral presentation at 53rd Annual Iranian Mathematics Conference, University of Science and Technology of Mazandaran, Behshahr, Iran. (2022)
6. (ISC) **S.S. Jafari**, *Some remarks on amenable action on the predual of a W^* -algebra*, Oral presentation at 9th Seminar on Harmonic Analysis and Applications, Amirkabir University of Technology, Tehran, Iran. (2022)
7. (ISI) **S.S. Jafari**, *Operators commuting with certain module actions*, International Journal of Non-linear Analysis and Applications, In press, 2022.
8. (ISI) **S. S. Jafari**, *On topological centers induced by unitary representations*, Archiv der Mathematik, Volume 117 (3), (2021) 323-333.
9. (ISC) Y. Zohrevand and **S. S. Jafari**, *performance of statistics and meta-cognitive awareness*, 3rd Seminar on Statistics Education, Birjand University, Birjand, Iran. (2021).
10. (ISC) **S. S. Jafari**, *Topological von Neumann regularity of Banach algebras*, Oral presentation at 23rd Seminar on Mathematical Analysis and its Applications, Arak University, Arak, Iran. (2017)
11. (ISC) **S. S. Jafari**, *A note on Derivations into Duals of Ideals of Banach Algebras*, Oral presentation at 23rd Seminar on Mathematical Analysis and its Applications, Arak University, Arak, Iran. (2017)
12. (ISI) Y. Zohrevand, **S. S. Jafari** and M.Hesami Arshad. *A case study in Math Education: Mathematics Education to Adult and Young students in the same classroom at IAU*, Procedia Social and Behavioral Sciences, Volume 8, (2010) 158–163.

13. **S. S. Jafari**, *A simple proof for equivalency of approximate amenability and approximate contractibility of Banach algebras*, Oral presentation at 3rd International Conference on Mathematics and Statistics, 2009, Athens, Greece, *Essays on Mathematics and Statistics: Volume 3*(2013), 119-124.
 14. **S. S. Jafari**, *Some new results on the approximate weak amenability of Banach algebras*, Proc. 5th international conference on statistical sciences: mathematics and statistics, Lahore, Pakistan, Volume 17, (2009) 175-179.
 15. Y. Zohrevand, D. Abolfathi and **S.S. Jafari** *Determining level of Development of Small Provinces of Hamedan using Numerical Taxonomy and Factor Analysis*. Poster presented at the 9th Iranian Statistical Conference, Isfahan University, Isfahan, Iran, (2008)
-

Papers submitted for publication

- (ISI) **S. S. Jafari** and Y. Zohrevand, Topological centers induced by $L^1(G)^{**}$ -module actions.
 - (ISI) **S. S. Jafari**, *On the generalized notion of amenable locally compact groups*.
 - (ISI) **S. S. Jafari**, *Derivations on certain Banach algebras on locally compact groups*.
 - (ISC) **S. S. Jafari**, *Notes on weakly almost G -periodic operators*.
-

Research projects

- Executor of a project from grant credit of Payame Noor University (2009):

Approximate ideal amenability of Banach algebras,

Controller: Dr. Hojjatollah Samea (Bu-Ali Sina University)

Workshops and Conferences

1. Weekly Seminars on Harmonic Analysis, IPM-Isfahan, 2016-2017.

List of main Speakers:

Rasoul Nasr-Isfahani, Isfahan University of Technology and IPM-Isfahan, Iran.

Mohammad Sal Moslehian, Ferdowsi University of Mashhad, Iran.

Mahya Ghandehari, University of Delaware, USA.

Mehdi Nemati, Isfahan University of Technology and IPM-Isfahan, Iran.

Seyed Mohammad Tabatabaei, University of Qom, Iran.

2. The 3rd Summer School of harmonic analysis, *composition Banach*

algebras,2015

List of Lecturers:

Alireza Amini Harandi, University of Isfahan, and IPM, Iran.

Majid Fakhar, University of Isfahan, and IPM, Iran.

Rasoul Nasr-Isfahani, Isfahan University of Technology, and IPM, Iran.

Mehdi Nemati, Isfahan University of Technology, Iran.

3. The 3rd Functional and Harmonic Analysis Workshop on *C*-ALGEBRAS OF REAL RANK ZERO*, IPM- Isfahan, 23-24 August 2015

List of Speakers:

Farid Bahrami, Isfahan University of Technology, Iran.

Gholam-Hossein Esslamzadeh, Shiraz University, Iran.

4. The 2nd Functional and Harmonic Analysis Workshop on *Fourier Algebras*, IPM- Isfahan, 20-21 August 2014.

Lecturer:

Dr. Masoud Amini, Tarbiyatmodarres University, Iran.

5. The 2nd Summer School of harmonic analysis, *pointwise Banach algebras*, IPM- Isfahan,(2014).

Lecturers:

Prof. Rasoul Nasr-Isfahani (IPM & Isfahan University of Technology)

Dr. Majid Fakhar (IPM & Isfahan University)

Dr. Amini-Harandi (IPM & Sharekord University)

Dr. Mehdi Nemati (Isfahan University of Technology)

6. The 2nd Seminar on Harmonic Analysis and Applications, IPM, Tehran. (2014)

7. Summer School of harmonic analysis, *Convolution Banach algebras*, (2013).

Lecturers:

Prof. Rasoul Nasr-Isfahani (IPM & Isfahan University of Technology)

Dr. Hossein Javanshiry (Yazd University)

Dr. Narges Tavallaee (Damghan University)

Dr. Mehdi Nemati (Isfahan University of Technology)

8. *Wavelet on homogeneous spaces workshop*, Isfahan University of Technology, 17 May 2012

Lecturer:

Prof. Rajab Ali Kamyabi Gol (Ferdowsi University of Mashhad)

9. *Stability of Functional Equations workshop*, Isfahan University of Technology, 18 May 2011

Lecturer:

Prof. Madjid Eshaghi Gordji (Semnan University)