

# Curriculum Vitae

## Fereshteh Sady

Associate Professor

Department of Pure Mathematics, Faculty of Mathematical Sciences,

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## Research Interest:

Functional Analysis, Function Spaces and Function Algebras (preserving maps),  
Frechet Algebras

## Courses Taught:

Mathematical Analysis II, Real Analysis I, II,  
Functional Analysis, Banach Algebras, Function Algebras, Topics in Functional Analysis

## Supervision of students:

Supervisor: 10 Ph.D students and about 45 M.Sc students

## Administrative experiences:

Head of Department of Mathematics

Deputy of Research Affairs

## Publications:

Book: F. Sady, Function Spaces and Isometries, Tarbiat Modares University, 2024 (In persian).

## Published Papers:

39. With H. Khodaeimehr, *Maps preserving Drazin invertible operator matrices with non-singular Schur complement*, *Mediterr. J. Math.*, (2022), 1-19.

38. With A. Jimenez-Vargas, *Algebraic reflexivity of diameter-preserving linear bijections*, *Publ.*

*Math.*, 65 (2022), 727-746.

37. With M. Mojahedi, *Isometries between completely regular vector-valued function spaces*, *Periodica Math. Hung.*, 84 (2022), 361-370.

36. With M. Najafi Tavani, *Additive jointly separating maps and ring homomorphisms*, *Linear and Multilinear algebra*, 70 (2022), 2162-2177.

35. With V. Ehsani, *Lattice Isomorphisms between certain sublattices of continuous functions*, *Bull. Belg. Math. Soc.*, (2021), 327-339.

34. With V. Ehsani, *On the continuity of lattice isomorphisms on  $C(X, I)$* , *Math. Slovaca* 71 (2021) No. 6 1-10

33. With A. Jimenez-Vargas, *On 2-local diameter-preserving maps between  $C(X)$ -spaces*, *Positivity*, 25 (2021), 867-881

32. With B. Jafarzadeh, *Composition in modulus maps on semigroups of continuous functions*, *Tokyo J. Math.*, 44 (2021), 367-382

31. With Z. Pourghobadi and M. Najafi Tavani, *Jointly separating maps between vector-valued function spaces*, *Math. Slovaca*, 70 (2020), No. 3, 707–718

30. With Z. Pourghobadi and M. Najafi-Tavani, *Zero product preserving functionals on  $C(\Omega)$ -valued spaces of functions*, *Annals, Funct. Anals.*, (2020) 11:459-472

29. With M. Mojahedi, *Isometries on certain non-complete vector-valued function spaces*, *Acta. Sci. Math. (Szeged)*, 85 (2019), 613-627.

28. With B. Jafarzadeh, *Generalized norm preserving maps between subsets of continuous functions*, *Positivity* 23 (2019), No.1, 111-123.

27. With H. Pazandeh, *Function spaces and nonsymmetric norm preserving maps*, *Bull. Belgian Math. Soc.*, *Bull. Belg. Math. Soc. Simon Stevin* 25 (2018), No.5, 729-740.

26. With A. Jamshidi, *A note on nonlinear isometries between vector-valued function spaces*, *Linear and Multilinear Algebra* (2018), <https://doi.org/10.1080/03081087.2018.1502255>

25. With M.B. Asadi and H. Khodaeimehr, *Completely square-zero preserving maps on  $B_s(H)$* , *Linear and Multilinear Algebra*, 66 (2018), 937-941.

24. With A. Jamshidi and A. Golbaharan, *A characterization of nonlinear Hölder seminorm preserving bijections*, *Positivity*, 22 (2018), 1-22.

23. With R.S. Ghodrat, *Point multipliers and the Gleason–Kahane–Żelazko theorem*, Banach J. Math. Anal. 11 (2017), 864-879.
22. With R.S. Ghodrat and A. Jamshidi, *Norm conditions on maps between certain subspaces of continuous functions*, Tokyo J. Math. 40(2017), 421-437.
21. With H. Khodaeimehr, *Maps Preserving 2-Idempotency of Certain Products of Operators*, Filomat, 31 (2017), 3909-3916.
20. With H. Khodaeimehr, *On linear extendability of isometrical embeddings*, Bull. Belgian Math. Soc., Bull. Belgian Math. Soc. 23 (2016) 515-527.
19. With M. Hosseini, *Common zeros preserving maps on vector-valued function spaces and Banach modules*, Publ. Mat., 60 (2016), 565-582
18. With A. Jamshidi, *Nonlinear diameter preserving maps between certain function spaces*, Mediterranean J. Math., (2016), to appear
17. With A. Jamshidi, *Extremely strong boundary points and real-linear isometries*, Tokyo J. Math. 38 (2015), 477-490.
16. With A. Jamshidi, *Real-linear isometries between certain subspaces of continuous functions*, Central Eur. J. Math., 11 (2013) 2034-2043.
15. With M. Hosseini, *Maps between Banach function algebras satisfying certain norm conditions*, Central Eur. J. Math., 11(2013) 1020-1033.
14. With L. Mousavi, *Characterization and automatic continuity of separating maps between Banach modules*, Nihonkai J. Math., 23 (2012) 75-91.
13. With M. Hosseini, *Banach function algebras and certain polynomially norm-preserving maps*, Banach J. Math. Anal., 6 (2012) 1-18.
12. With M. Hosseini, *Weighted composition operators on  $C(X)$  and  $Lip_c(X, \alpha)$* , Tokyo J. Math., 35 (2012) 71-84.
11. With M. Amini and M. Shams, *Order amenability of Figa- Talamanca-Herz algebra*, ISRN Geometry, 2011
10. With M. Hosseini, *Multiplicatively and non-symmetric multiplicatively norm-preserving maps*, Central Eur. J. Math., 8 (2010) 878-889.
9. With L. Mousavi, *Banach module valued separating maps*, Bull. Iranian Math. Soc., 37 (2011) 127-139.
8. With M. Shams and S.M. Amini, *Complete order amenability of the Fourier algebra*, Indian J. Pure Appl. Math., 41 (2010) 485-504.
7. With M. Hosseini, *Multiplicatively range-preserving maps between Banach function algebras*, J. Math. Anal. Appl., 357 (2009) 314-322.

6. With Y. Estaremi, *Subadditive separating maps between regular Banach function algebras*, Bull. Korean Math. Soc., 44 (2007) 735-761.
5. With M. A. MoghaddamZaveh, *A note on normability and seminormability of some algebras*, Italian J. Pure Appl. Math. 21 (2007) 63-72.
4. *Existence of an algebra norm on certain subalgebras of  $C(X)$* , Bull. Iranian Math. Soc. 30 (2004), 21-29.
3. *Projective limit of a sequence of Banach function algebras as a Frechet function algebra*," Bull. Korean Math. Soc. 39 (2002) 256-267.
2. *Algebras of operators as topological algebras*, Glasg. Math. J. 41 (1999) 207-209.
1. *Relations between Banach function algebras and Frechet function algebras*, Honam Math. J. 20 (1998) 79-88 .

### **Conference Papers:**

1. *Certain seminorm and norm conditions on maps between subspaces of continuous functions*, Researches on isometries from various viewpoints, RIMS Workshop (Niigata University), 2016
2. With M. Hosseini, *Multiplicatively and non-symmetric multiplicatively norm-preserving maps*, Banach Algebra conference, Poland, July 2009.
3. With Y. Estaremi, *Subadditive maps between regular Banach function algebras*, 16 th Seminar on Mathematical Analysis and Its Applications , Ferdowsi University of Mashad , Feb. 2007
4. With M. Hosseini, *Certain linear preserving maps on some Frechetalgebras of functions*, 37 th Annual Iranian Mathematics Conference, Azarbaijan University, 2-5 Sep. 2006
5. With M. Hosseini, *A note on closed ideals in topological algebras*, 15 th Seminar on Mathematical Analysis and Its Applications, Sistan and Baluchestan University , 2005

6. With M. Shams Yousefi, *Multipliers on certain topological Algebras*, 35-th Iranian Mathematical Conference, Ahvaz University, 2005
7. *Existence and Uniqueness of Uniform Norms on Some Topological Algebras*, 14 th Seminar on Mathematical Analysis and Its Applications, Iran University of Sciences and technology, Feb., 2004
8. With M. Moghadam Zaveh, *Seminormability of some operator algebras*, 14 th Seminar on Mathematical Analysis and Its applications, Iran University of Science and Technology, Feb., 2004
9. *A Note on The Existence of an Algebra Norm on Some Certain Topological Algebras*, 13 th Seminar on Mathematical Analysis and Its Applications, University of Isfahan, March, 2003
10. *Norms on Some Frechet Function Algebras*, 33 th Iranian Mathematics Conference, Sep., 2002
11. *An Abstract version of the Frechet Algebra of Formal Power Series*, 32 nd Iranian Mathematics Conference, Mazandarran University- Babolsar, 2001
12. *On Projective Limits of Sequences of Banach Function Algebras*, 11 th Seminar on Mathematical Analysis and Its Applications, Yazd University , Feb. 2001