# Curriculum Vitae

**Fereshteh Sady**

Full Professor

Department of Pure Mathematics, Faculty of Mathematical Sciences,

Tarbiat Modares University, Tehran, 14115-134, Iran

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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:

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

39. With A. Jimenez-Vargas, Algebraic reflexivity of diameter-preserving linear bijections, Publ. Math., 65 (2022), 727-746.

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

37. With M. Najafi Tavani, Additive jointly separating maps and ring homomorphisms, Linear

and Multilinear algebra, 70 (2022), 2162-2177.

36. With M. Najafi Tavani, *Generalized local operators between function modules*, Mathematical Researches, 7 (2021), 91-100.

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(Ω)-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. Khodaiemehr, 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) andLip_c(X,\alpha), Tokyo J. Math., 35 (2012) 71-84.

11. With M. Amini and M. Shams, Order amenability of Figa- Talamanca-Herzalgebra , 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, Mltiplicatively 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 continuousfunctions, 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