

Name: Eghbal Ghaderi

Department of Mathematics,
University of Kurdistan,
Sanandaj, Iran.



Date of Birth: April 9, 1982

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Education

Ph.D. in Mathematics 2014, Harmonic Analysis, GPA=19.5 out of 20, January, 2009-- August 2014, Isfahan University of Technology, Isfahan, Iran.

Thesis: Notions of amenability for certain products of Banach algebras.

Supervisor: Dr. Rasoul Nasr-Isfahani

M.Sc. in Mathematics 2008, Harmonic Analysis, GPA=18.67 out of 20, September, 2006- January, 2009, Isfahan University of Technology, Isfahan, Iran.

Thesis: Analysis on Certain Products of Banach Algebras.

Supervisor: Dr. Rasoul Nasr-Isfahani.

B.Sc. in Mathematics 2004, Pure Mathematics, GPA=15.96 out of 20, Sep. 2001-June 2006, University of Kurdistan, Sanandaj, Iran.

Graduate Taken courses

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|-----------------------|----------------------|
| • Real Analysis | • C^* -algebras |
| • Harmonic Analysis | • Topological Groups |
| • Functional Analysis | • Operators theory |
| • Advanced Algebra | • Amenability |
| • Banach Algebras | • C^* -Algebra |
| • Advanced Logic | |

Research Interests

- Abstract Harmonic Analysis.
- Functional Analysis (Banach Algebras).
- Amenability of Banach algebras.
- Frame theory

Honors and Achievements

First rank among Analysis graduate students, Department of Mathematical Science, Isfahan University of Technology, 2008.

Second rank B.Sc. student, Department of Mathematical Sciences, University of Kurdistan 2004.

Teaching

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|--------------------------|------------------------------|
| • Calculus | • Real Analysis |
| • Analysis | • Functional Analysis |
| • Differential Equations | • Harmonic Analysis |
| • Linear Algebra | • Amenability |
| • Mathematic Analysis | • Foundations of Mathematics |

Academic Work Experiences

- **Research Assistant, Amenability of Banach algebras**, Isfahan University of Technology, 2007-2009 (Advisor: Prof. Nasr Isfahani)

Membership

- Iranian Mathematical Society (IMS) Tehran, Iran.
- Faculty member of university of Kurdistan in Iran.

Computer Skills

• **Type setting:** Microsoft, LaTeX, Farsi TeX and Xepersian.

• **Operating System:** Windows XP, Windows 7, 10.

Journal Publications

- 1) E. Ghaderi, R. Nasr-Isfahani, and M. Nemati, "Some notions of amenability for certain products of Banach algebras", *Colloq. Math.* 130 (2013) 147-157.
- 2) E. Ghaderi, R. Nasr-Isfahani, and M. Nemati, "Pseudo-amenability and pseudo-contractibility for certain products of Banach algebras", *Math. Slovaca*, 66(6) (2016) 1367-1374.
- 3) E. Ghaderi and S. Naseri, "Some notions of (σ, τ) -amenability for unitization of Banach algebras", *Computational Methods for Differential Equations*, 7(4) (2019) 573-579.
- 4) A. Sahami, M. R. Omid, E. Ghaderi and H. Zangeneh, "Approximate biflatness and Johnson pseudo-contractibility of some Banach algebras", *Commentationes Mathematicae Universitatis Carolinae*, 61(1) (2020) 83-92.
- 5) E. Ghaderi and A. Sahami, " ϕ -biflatness and ϕ -biprojectivity for θ -Lau product with applications". *University Politechnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics*, 61 (2020) 83-92.
- 6) A. Sahami, E. Ghaderi, S. M. Kazemi Torbaghan and B. Olfatian Gillan, "Johnson pseudo-contractibility of second duals of certain Banach algebras", *Asian-European Journal of Mathematics*, 14(2) (2021) 2150012-1--2150012-12.
- 7) H. Farhadi and E. Ghaderi, "On the continuity of some linear maps on certain Banach algebras", *J. of Linear and Topological Algebra*, 11(2) (2022) 109-122.
- 8) A. Sahami, E. Ghaderi, S. F. Shariati and S. M. Kazemi Torbaghan, "On left ϕ -Connes biprojectivity of dual Banach algebras", *Int. J. Nonlinear Anal. Appl.* In Press, 1-8.
- 9) N. Shariati Gazgazareh, S. Naseri, E. Ghaderi and S. F. Shariati, "On left ϕ -essential Connes-amenability of Banach algebras", *Asian-European Journal of Mathematics*, **16**(3) (2023) 1-13.
- 10) N. Shariati Gazgazareh, S. Naseri, E. Ghaderi and A. Sahami, "Generalized notions of amenability for some classes of l^p -Munn algebras", *Bulletin of the Iranian Mathematical Society*, (2022) accepted.
- 11) E. Ghaderi, R. Nasr-Isfahani and M. Nemati, "Derivations into iterated duals of ideals in Certain Products of Banach Algebras", Submitted.
- 12) A. Sahami, E. Ghaderi and S. Naseri, "On the existence of an ultra central approximate identity for some semigroup algebras", Submitted.
- 13) A. Sahami, E. Ghaderi, S. F. Shariati and M. Rostami, "On left ϕ -Connes biflatness of dual Banach algebras", Submitted.
- 14) A. Sahami, E. Ghaderi, S. M. Kazemi Torbaghan and B. Olfatian Gillan, "On Johnson pseudo-contractibility of second duals of certain Banach algebra", Submitted.
- 15) A. Sahami, E. Ghaderi and A. Soltanmohamadi, "On the existence of an ultra central approximate identity for some semigroup algebras", Submitted.
- 16) M. Nemati and E. Ghaderi, "Some fixed point characterizations of ϕ -ergodic property", Submitted.

- 17) A. Sahami, E. Ghaderi, M. Aj and A. Bodaghi, “On approximately I-biflat Banach algebras with applications”, Submitted.
- (۱۸) اقبال قادری، مهدی نعمتی و صابر ناصری، ”بررسی و مطالعه مفهوم σ -میانگین پذیری دوری روی جبرهای باناخ“
ارسال شده

Seminars and Conference

- 1) E. Ghaderi, Phi-Johnson amenability of θ -Lau product of Banach algebras. 48th annual Iranian mathematics conference. Hamedan, Iran, August 2017.
- 2) E. Ghaderi, σ -cyclic amenability of Banach algebras. 2nd National conference on new researches in mathematics. University of Ayatollah Brojerdi, Brojerd, Iran, May 16, 2018.
- 3) S. Naseri and E. Ghaderi, (σ, τ) -contractibility of Banach algebras. 2nd National conference on new researches in mathematics. University of Ayatollah Brojerdi, Brojerd, Iran, May 16, 2018.
- 4) S. Naseri and E. Ghaderi, σ -derivations of Banach algebras related to special Banach modules. The 3rd International conference of Natural Sciences (ICNS2018)-Mathematics and Computer, Sulaimani, Iraq, July 19-20, 2018.
- 5) E. Ghaderi and S. Naseri, (σ, τ) -Ideal amenability of Banach algebras. The 3rd International conference of Natural Sciences (ICNS2018)-Mathematics and Computer, Sulaimani, Iraq, July 19-20, 2018.
- 6) A. Sahami, E. Ghaderi, and I. Almasi, Some generalized notions of homological algebras related to a character. The 4rd International conference of Natural Sciences (ICNS2018)-Mathematics and Computer, Sanandaj, Iran, April 18-19, 2019.
- 7) A. Sahami, M. Rostami, and E. Ghaderi, On some approximate homological properties of certain Banach algebras. The 4rd International conference of Natural Sciences (ICNS2018)-Mathematics and Computer, Sanandaj, Iran, April 18-19, 2019.
- 8) A. Sahami, E. Ghaderi and A. Pourabbas, Approximate biprojectivity and ϕ -biflatness of weighted group algebras and segal algebras, The 26th Iranian Algebra Seminar, University of Kurdistan, Iran, 6-7th March 2019.
- 9) E. Ghaderi, S. F. Shariati and A. Sahami, On approximate notions of Banach homological algebras, 51st Annual Iranian Mathematics Conference, February 15-20, 2021.

- 9) S. Naseri and E. Ghaderi, (σ, τ) -amenability of $A \rtimes B$, 9th Seminar on Harmonic Analysis and Applications, Amirkabir University of Technology, 27-28 January 2022

Lecturer and Presentations

- 1) A series Presentation on “Representation Theory”, Isfahan University of Technology, Isfahan, Iran, Spring 2008.
- 2) A series Presentation on “Banach algebras”, Isfahan University of Technology, Isfahan, Iran, Summer 2008.
- 3) Lecturer, Analysis on certain products of Banach algebras. University of Kurdistan, Sanandaj, Iran, December 08, 2014.
- 4) Lecturer, On approximate amenability and essential amenability of Banach algebras. University of Kurdistan, Sanandaj, Iran, April 27, 2015.
- 5) Lecturer, Analysis on group algebras. University of Kurdistan, Sanandaj, Iran, November 22, 2015.
- 6) Lecturer, On biflatness and biprojectivity of Banach algebras. University of Kurdistan, Sanandaj, Iran, May 09, 2015.
- 7) Lecturer, Some homological properties for certain products of Banach algebras, University of Kurdistan, Sanandaj, Iran, December 5, 2016.
- 8) Lecturer, (σ, τ) -amenability for certain product of Banach algebras. University of Kurdistan, Sanandaj, Iran, November 2017.
- 9) Lecturer, On contractibility for theta-Lau product of Banach algebras. University of Kurdistan, Sanandaj, Iran, November 2018.
- 10) Lecturer, Some results on theta-Lau algebras. University of Kurdistan, Sanandaj, Iran, December 11, 2019.
- 11) Lecturer, On biflatness of certain Banach algebras. University of Kurdistan, Sanandaj, Iran, December 08, 2020.
- 12) Lecturer, On sigma-cyclic amenability of Banach algebras, University of Kurdistan, Sanandaj, Iran, December 26, 2021.