

# RESUME

**Name:** Ali Rejali,

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## Education:

	<u>Degree</u>	<u>Year</u>
B.Sc. in Pure Mathematics	University of Isfahan, Iran	1979
M.Sc. in Abstract Harmonic Analysis	University of Sheffield, Sheffield, England	1984
Ph.D. in Abstract Harmonic Analysis	University of Sheffield, Sheffield, England	1989

**Experience:** ( کار دانشگاهی و خارج از دانشگاه جدیدترین در بالا و قدیمترین در پایین )

<u>Organization</u>	<u>Position</u>	<u>Duration</u>
Department of Mathematics Faculty of Science Isfahan University Isfahan, IRAN	Professor	2005-now
Department of Mathematics Faculty of Science Isfahan University Isfahan, IRAN	Associate Professor	1996-2005
Department of Mathematics Faculty of Science Isfahan University Isfahan, IRAN	Assistance Professor	1988-1996

### Expertise Areas:

- Abstract Harmonic Analysis
- Functional Analysis
- Banach Algebras

### Research Interests:

- Amenability of groups and semigroups
- Regularity and amenability of Banach algebras
- Configuration of groups and semigroups
- Frechet and Lipschitz Algebras

### Awards and Recognitions:

- First grade student in B.Sc (1979)
- First grade student in Ph.D (1989)
- Selected by International Mathematical Union (I.M.U.) as Young Mathematician (1990)
- Flet prize, by University of Sheffield (1989)
- Selected Resercher, by Isfahan University (1994)
- Selected Professor, by Isfahan University (2007)
- Selected Professor of Isfahan, by Basij Asatid Keshvar, (2009)

### Publications:

- Bahram Khodsiani, Ali Rejali: *Group Representations on Reflexive Spaces.*
- Ali Rejali, G.H.Amini: *ON THE ARENS REGULARITY OF THE HERZ ALGEBRAS  $A_p(G)$ .*
- A.F.Abtahi .H.Amini H.Lotfi A.Rejali: *SOME INTERSECTIONS OF LORENTZ SPACES.*
- Ali Rejali, Meisam Soleimani Malekan: *CONFIGURATION EQUIVALENCE IS NOT EQUIVALENT TO ISOMORPHISM.*
- B. Khodsiani H. R. Ebrahimi Vishki, A. Rejali: *Arens regularity of certain weighted semigroup algebras and countability..*
- Ali Tavakoli, Ali Rejali: *AMENABILITY OF GROUPS AND SEMIGROUPS CHARACTERIZED BY CONFIGURATION..*
- Ali Rejali, G.H.Amini: *TOPOLOGICAL INVARIANT MEANS ON  $B^* p(G)$  AND WEAKLY COMPACT MAULTIPLIERS OF  $A_p(G)$ .*
- Ali Rejali, Meisam Soleimani Malekan: *Strong Configuration Equivalence and Isomorphism.*
- F.Abtahi, S.Rahnama, A.Rejali: *Segal Frechet Algebras.*
- F Abtahi, · S Rahnama, · A Rejali: *Semisimple Segal Fréchet algebras.* Periodica Mathematica Hungarica 07/2015; 71(2). DOI:10.1007/s10998-015-0092-1
- Bahram Khodsiani, Ali Rejali: *A type of GNS-construction for Banach algebras.*
- M.Maghsoudi, A.Rejali: *On the dual of certain locally convex function spaces.*

- ❑ F. Abtahi, A. Ghafarpanah, A. Rejali: *Projectivity of  $L_p(G, \cdot)$  as a  $LI(G)$ -module*. Proceedings of the Romanian Academy - Series A: Mathematics, Physics, Technical Sciences, Information Science 04/2015; 16(2).
- ❑ F Abtahi, A Ghafarpanah, A Rejali: *Character Amenability and Character Inner Amenability of Morphism Product of Banach Algebras*.
- ❑ F.Abtahi, H.G.Amini, H.A.Lotfi, A.Rejali: *Some intersections of Lorentz spaces*.
- ❑ H R Ebrahimi Vishki, B Khodsiani, A Rejali: *WEIGHTED SEMIGROUP MEASURE ALGEBRA AS A WAP-ALGEBRA*. UPB Scientific Bulletin, Series A: Applied Mathematics and Physics 02/2015; 78(1).
- ❑ Ali Rejali: *The Arens regularity of weighted semigroup algebras*.
- ❑ F Abtahi, A Ghafarpanah, A Rejali: *Biprojectivity and biflatness of lau product of banach algebras defined by a banach algebra morphism*. Bulletin of the Australian Mathematical Society 02/2015; 1(01). DOI:10.1017/S0004972714000483
- ❑ Bahram Khodsiani, Ali Rejali: *Weakly almost periodic Banach algebras on semi-groups*.
- ❑ Fatemeh Abtahi, Somaye Rahnama, Ali Rejali: *WEAK AMENABILITY OF FRÉCHET ALGEBRAS*.
- ❑ Fatemeh Abtahi, Ali Ghafarpanah, Ali Rejali: *PROJECTIVITY OF  $L_p(G, \cdot)$  AS A  $LI(G)$ -MODULE*.
- ❑ B F Abtahi, A Khodsiani, Rejali: *Arens regularity of Inverse Semigroup Algebras*. Bulletin of the iranian mathematical society 12/2014; 40.
- ❑ Ali Tavakoli, Ali Rejali, Akram Yousofzadeh, Alireza Abdollahi: *A Note About Configuration of A Group*.
- ❑ F. Abtahi, H. G. Amini, H. A. Lotfi, A. Rejali: *Some Intersections of the Weighted  $L_p$ -Spaces*. Abstract and Applied Analysis 10/2013; 2013(2). DOI:10.1155/2013/986857
- ❑ Akram Yousofzadeh, Ali Tavakoli, Ali Rejali: *On configuration graph and paradoxical decomposition*. Journal of Algebra and Its Applications 10/2013; 13(02). DOI:10.1142/S0219498813500862
- ❑ Fatemeh Abtahi, Rasoul Nasr-Isfahani, Ali Rejali: *Convolution on  $L_p$ -spaces of a locally compact group*. Mathematica Slovaca 04/2013; 63(2). DOI:10.2478/s12175-012-0098-6
- ❑ F. ABTAHI, H. G. AMINI, H. A. LOTFI, A. REJALI: *An arbitrary intersection of  $L_p$ -spaces*. Bulletin of the Australian Mathematical Society 06/2012; 85(03). DOI:10.1017/S0004972711003510
- ❑ Fatemeh Abtahi, Rasoul Nasr Isfahani, Ali Rejali: *Bochner algebras and their compact multipliers*. Mathematica Slovaca 06/2012; 62(3). DOI:10.2478/s12175-012-0024-y
- ❑ S. Maghsoudi, A. Rejali: *Unbounded weighted Radon measures and dual of certain function spaces with strict topology*. The Bulletin of the Malaysian Mathematical Society Series 2 01/2012; 1(1).
- ❑ F Habibian, H Samea, A Rejali: *Ideal amenability and approximate ideal amenability of matrix banach algebras*. Proceedings of the Romanian Academy - Series A: Mathematics, Physics, Technical Sciences, Information Science 07/2011; 12(3).
- ❑ A Rejali, A Yousofzadeh: *Configuration of groups and paradoxical decompositions*. Bulletin of the Belgian Mathematical Society, Simon Stevin 01/2011; 18(1).
- ❑ A Rejali, A Yousofzadeh: *Group Properties Characterized by Two-sided Configurations*. Algebra Colloquium 12/2010; 17(4). DOI:10.1142/S1005386710000568
- ❑ Fatemeh Abtahi, Rasoul Nasr-Isfahani, Ali Rejali: *Weighted  $L_p$ -conjecture for locally compact groups*. Periodica Mathematica Hungarica 03/2010; 60(1). DOI:10.1007/s10998-010-1001-2

- ❑ F Habibian, A Rejali, M Eshaghi Gordji: *GENERALIZATION OF JOHNSON'S THEOREM FOR WEIGHTED SEMIGROUP ALGEBRAS*. Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica 01/2010; 18(2).
- ❑ Fatemeh Abtahi, Rasoul Nasr-Isfahani, Ali Rejali: *On the weighted  $p$ -space of a discrete group*. Publicationes mathematicae 10/2009; 75(3).
- ❑ A Abdollahi, A Rejali, A Yousofzadeh: *Configuration of nilpotent groups and isomorphism*. Journal of Algebra and Its Applications 12/2008; 8(3).
- ❑ S. Maghsoudi, R. Nasr-Isfahani, A. Rejali: *Arens multiplication on Banach algebras related to locally compact semigroups*. Mathematische Nachrichten 10/2008; 281(10). DOI:10.1002/mana.200710691
- ❑ M Abolghasemi, A Rejali, H R E Vishki: *WEIGHTED SEMIGROUP ALGEBRAS AS DUAL BANACH ALGEBRAS*.
- ❑ S. Maghsoudi, R. Nasr- Isfahan, A.Rejali: *Arens multiplication on Banach algebras related to locally compact semigroups*.
- ❑ A Rejali, H.R.E.Vishki: *REGULARITY AND AMENABILITY OF THE SECOND DUAL OF WEIGHTED GROUP ALGEBRAS*.
- ❑ A Rejali, H R E Vishki: *Weighted Convolution Measure Algebras Characterized by Convolution Algebras*.
- ❑ F. Abtahi, R. Nasr-Isfahani, A. Rejali: *On the  $Lp$ -conjecture for locally compact groups*. Archiv der Mathematik 09/2007; 89(3). DOI:10.1007/s00013-007-1993-x
- ❑ M Abolghasemi, A Rejali, H R E Vishki: *On the transformation semitopological semigroup*.
- ❑ Madjid Eshaghi Gordji, Fereydoun Habibian, Ali Rejali: *Module extension of dual Banach algebras*. Bulletin of the Korean Mathematical Society 12/2006; 47(4). DOI:10.4134/BKMS.2010.47.4.663
- ❑ S. Maghsoudi, R. Nasr-Isfahani, A. Rejali: *The Dual of Semigroup Algebras with Certain Locally Convex Topologies*. Semigroup Forum 12/2006; 73(3). DOI:10.1007/s00233-006-0660-z
- ❑ M Eshaghi Gordji, F Habibian, A Rejali: *FIRST COHOMOLOGY ON WEIGHTED SEMIGROUP ALGEBRAS*.
- ❑ S. Maghsoudi, R. Nasr-Isfahani, A. Rejali: *Strong Arens irregularity of Beurling algebras with a locally convex topology*. Archiv der Mathematik 01/2006; 86(5). DOI:10.1007/s00013-005-1496-6
- ❑ S Maghsoudi, R Nasr-Isfahani, A Rejali: *The Dual of Semigroup Algebras with Certain Locally Convex Topologies*.
- ❑ Abdollahi, A. Rejali: *Paradoxical Decomposition of Semigroups*. Semigroup Forum 12/2005; 71(3). DOI:10.1007/s00233-005-0535-8
- ❑ Alireza Abdollahi, Ali Rejali, George A. Willis: *Group properties characterised by configurations*. Illinois journal of mathematics 09/2004; 48(2004).
- ❑ Rejali: *The Arens regularity of weighted semigroup algebras*. 01/2004; 60(1).
- ❑ Ali Rejali: *Weighted function spaces on topological groups*.
- ❑ Rejali: *Weighted function spaces on topological groups*. 01/1996; 22(2).
- ❑ Ali Rejali: *The analogue of weighted group algebra for semitopological semigroups*.
- ❑ J. W. Baker, A. Rejali: *On The Arens Regularity of Weighted Convolution Algebras*. Journal of the London Mathematical Society 12/1989; s2-40(3). DOI:10.1112/jlms/s2-40.3.535

#### Editorial Activities:

1. Chief Editor of Journal of Abstract Harmonic Analysis and Applications

### Theses & Dissertations Supervised

1. Dr. R.Nasr-Esfahani, Analysis on Lau-algebras, University of Isfahan, 2000
2. Dr. S.Maghsoudi; Separating Maps and Topological Center of semigroup algebras, (2006)
3. Dr.M.Abolghasemi, Arens regularity and Amenability of weighted semigroup algebras and their second duals, (2005).
4. Dr. A.Yousofzadeh, Paradoxical decomposition of semigroups, (2008)
5. Dr. F.Abtahi, Algebraic and topological properties of weighted  $p$  - group algebras on semigroups, (2005).
6. Dr. F.Habibian, Ideal amenability of Banach algebras,(2005).
7. Dr. Ali Ghafarpanah, Algebraic and topological properties of biprojective and biflat Banach algebras. 2014.
8. Dr. Ali Tavakoli, Configuration on topological groups and semigroups, 2014.
9. Dr. Hassanali Lotfi, Algebraic and topological properties of SEGAL algebras, 2015.
10. Dr. Bahram Khodsiani, The algebraic and topological properties of WAP-algebras and dual Banach algebras, 2014.
11. Dr, Somaye Rahnama, Various notions of amenability of Frechet algebras, 2015.

### Workshop, seminar & conferences organized/conducted: (دیپارتمان ریاضیات، سمینار و کارگاه آموزشی)

- 1) A. Rejali; The Arens regularity of weighted convolution algebras on semitopological semigroups; Proc. 21th. Annual Iranian Math. Conf. Isfahan(1990).
- 2) A. Rejali; The Arens regularity of weighted inverse semigroup algebras;Proc. 26th. Annual Iranian Math. Conf. 2 (1995), 347-353.
- 3) A. Abdollahi and A. Rejali, F– amenability, 34th. Iranian International conference on Mathematics, University of Shahrood, Shahrood, Iran,2004.
- 4) A. Rejali and E. Vishki, Amenability of second conjugate of Fourier and Fourier-Stieltjes algebras, 14th. Seminar on Analysis, and its application S., Elmosanat University, 2004.
- 5) A. Rejali and E. Vishki, Amenability and regularity of weighted group algebras and their second duals, 13th. Seminar on Analysis and its applications,Isfahan University, Isfahan, Iran, 2003.
- 6) A. Rejali, Weighted group algebras and measure algebras, Workshop on Harmonic analysis, University of Ferdosy, Mashhad, 2004.
- 7) A.Abdollahi and A.Rejali, Amenability of semigroups characterised by configurations, 35-th. Annual Iranian Mathematics conference, Shahid Chamran University of Ahvaz, (2005)
- 8) A.Rejali, On Riesz type representation theorems, 22-th, Iranian Math. Conf. Mashhad(1991).

**Courses Taught:** (دروس تدریس شده دانشگاهی)

**a) Undergraduate Level**

1. General Mathematics (I, II, III),
2. Analysis (I, II, III),
3. General Topology,
4. Fundamental of Mathematics.

**b) Graduate Level**

□ **M.Sc. Level:**

1. Real Analysis (I, II),
2. Complex Analysis,
3. Harmonic Analysis,
4. Topology,
5. Functional analysis.

□ **Ph.D. Level:**

1. Abstract Harmonic Analysis (I, II),
2. Representation Theory (I, II),
3. Banach Algebras,
4. Amenability of Banach Algebras,
5. Regularity of Banach Algebra,
6. Analysis on semigroups (I, II),
7.  $C^*$  - Algebras, measure algebras,
8. Semigroup Theorey,
9. Analysis on topological groups,
10. Operator theory ;
11. Functional analysis I , ;

**Research Projects**

1) Regularity of Fourier algebras,

2) Regularity of Fourier-Stieltjes algebras,

3) Regularity of semigroup algebras,

4) Inner- amenability of Inverse semigroups,

5) Semigroup properties characterised by configurations,

6) Amenability of weighted measure algebras,

7) Regularity and amenability of second dual of weighted semigroup algebras,

**Department/University Administration:** (سمت و مسئولیت های دانشگاهی)

1) Vice Chancellor of Education, University of Isfahan, Iran, (1989-1992).

- 2) Vice chancellor of Education and Research Affairs, University of Shahrekord, Iran, (1996-1998).
- 3) Chancellor of Payamenur University, Isfahan, Iran, (1998-2000).
- 4) Vice chancellor of Research Affairs, University of Isfahan, Iran,(2005-2007).
- 5)Head of Mathematics department, University of Isfahan,Iran,(2008-2010)