



Ali Armandnejad

Professor of Mathematics and Dean of International Affairs Office,
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PERSONAL DATA

Last name: Armandnejad

First name: Ali

Date of birth: September 27, 1977

Country of citizenship: Iran

Marital status: Married

RESEARCH INTERESTS

- Linear Algebra
- Operator Theory
- Linear preservers problems

EDUCATION

2002 - 2006 **Ph.D. of Pure Mathematics (Analysis)**
Shahid Bahonar University of Kerman, Kerman, Iran

PhD Thesis Title:

“G-stochastic matrices and linear preservers of G-majorization”

Supervisor: Abbas Salemi

1999 – 2002 **M.Sc. in Mathematics (Algebra)**
Shahid Bahonar University of Kerman, Kerman, Iran

Master Thesis Title: “Module with direct summand intersection properties”

Supervisor: Mohammad Mehdi Zahedi

1995 –1999 **B.Sc. in Mathematics (Math. Teacher)**
Shahid Bahonar University of Kerman, Kerman, Iran

POSITIONS

Academic Staff:

2006-2010 - Assistant Professor in Department of Mathematics, Vali-e-Asr University of Rafsanjan, Iran

- 2010-2014 - Associate Professor in Department of Mathematics, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.
- 2014-Present - Professor in Department of Mathematics, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.
- 2015-2017 - Visitor Professor in the Department of Mathematics and Statistics, Georgia State University, Atlanta, GA, USA.
- 2009-2011 - Head of Department of Mathematics, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.
- 2012-2015 - Deputy of Faculty of Mathematical Sciences, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.
- 2014-Present - A member of the Audit committee, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.
- 2017-Present - Dean of International Affairs Office, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.

- **Societies and Committees:**

- 2012-Present - Managing editor of the journal of "Wavelets and Linear Algebra".
- 2016-Present - Editor of the journal of "Bulletin of Iranian Mathematical Society".
- 2015-Present - Editor of the journal of "Mahani Mathematical".
- 2007-2007 - Member of the organizing and scientific committee of the 4th Iranian Linear Algebra Seminar, 2007.
- 2011-2011 - Member of the organizing and scientific committees of the 42nd annual Iranian mathematical conference, 2011.
- 2011-2011 - Member of the scientific committee of the 6th Iranian Linear Algebra Seminar, 2011.

TEACHING EXPERIENCES

- Calculus I (5 semesters)
- Calculus II (5 semesters)
- Analysis I (4 semesters)
- Analysis II (4 semesters)
- Linear Algebra (5 semesters)
- Foundation of Math. (4 semesters)
- Differential Equations (4 semesters)
- Real Analysis (4 semesters)
- Functional Analysis I (1 semesters)
- Matrix Analysis (4 semesters)
- Convex Analysis (1 semesters)

LANGUAGE

- Persian (Mother tongue)
- English (Advanced)
- Arabic (Basic)

RESEARCH EXPERIENCES

- **Supervisor of 5 Ph.D. theses.**
- **Supervisor of 11 M.Sc. theses.**

- **Reviewer (Journals and Conferences):**
 - Linear and Multilinear Algebra
 - Bulletin of the Iranian Mathematical Society
 - Wavelets and Linear Algebra
 - Czech Math. Journal
 - Sahand Communications in Mathematical Analysis
 - Reviewer in Mathematical Reviews (MathSciNet)

PUBLICATIONS

In Journals:

- (Joint with A. Salemi) The structure of linear preservers of gs -majorization, Bulletin of the Iranian Mathematical Society, vol. 32, no. 2 (2006), 31–42.
- (Joint with A. Salemi) Strong linear preservers of GW -majorization on M_n ,

- Journal of Dynamical Systems and Geometric Theories, vol 5, no. 2 (2007), 165–168.
- Right gw-majorization on $M_{n,m}$, Bulletin of the Iranian Mathematical Society, vol35, no. 2(2009), 69–76.
 - (Joint with H. Heydari) On Linear Maps Preserving g-Majorization from F_n to F_m , Journal of Inequalities and Applications, vol. 2010, Article ID 254819, 5 pages, 2010.
 - (Joint with H. R. Afshin) Linear functions preserving multivariate and directional majorization, Iranian Journal of Mathematical Sciences and Informatics, vol 5, no. 1 (2010), 1-5.
 - Ordinary and generalized majorization and the structures of their linear preservers, (In Persian)“Farhang va Andisheh-ye Riyazi”, vol45 (2010), 31-40.
 - (Joint with H. Heydari) Linear functions preserving gd-majorization from $M_{n,m}$ to $M_{n,k}$, Bulletin of the Iranian Mathematical Society, vol37, no.1 (2011), 215-224.
 - (Joint with A. Salemi) On linear preservers of lgw-majorization on $M_{n,m}$, Bulletin of the Malaysian Mathematical Society, vol35 (2012), 755-764.
 - (Joint with Z. Gashoul) Strong linear preservers of g-tridiagonal majorization on R_n . Electronic Journal of Linear Algebra, vol23 (2012), 115-121.
 - (Joint with F. Akbarzadeh, Z. Mohammadi) Row and Column-Majorization on $M_{n;m}$, Linear Algebra and its Applications, vol 437 (2012), 1025-1032.
 - (Joint with, A. Ilkhanizade Manesh) GUT-majorization on $M_{\{n,m\}}$ and its Linear Preservers. Electronic Journal of Linear Algebra, vol23 (2012), 646-654.
 - (Joint with Z. Mohammadi and F. Akbarzadeh) Linear preservers of g-row and g-column majorization, Bulletin of the Iranian Mathematical Society, vol39, no. 5 (2013), 865-880.
 - (Joint with F. Pasandi) Block diagonal majorization, Iranian Journal of Mathematical Sciences and Informatics, vol 8, no. 2 (2013), 131-136.
 - (Joint with M. Soleymani) Linear Preservers of even majorization on $M_{n,m}$, Linear and Multilinear Algebra, vol62, no. 11(2014), 1437-1449.
 - (Joint with A. Ilkhanizade Manesh) UT-majorization on R^n and its linear preservers, Operator Theory: Advances and Applications, vol242 (2014), 253–

259.

- (Joint with M. Soleymani) Linear Preservers of Circulant Majorization on \mathbb{R}^n , Linear Algebra and its Applications, vol440 (2014), 286–292.
- (Joint with S. Mohtashami, M. Jamshidi) On linear preservers of g -tridiagonal majorization on \mathbb{R}^n , Linear Algebra and its Applications, vol459 (2014), 145–153.
- (Joint with M. Jamshidi) Multiplicative isomorphisms at invertible matrices, Miskolc Mathematical Notes, vol15, no. 2(2014), 287-292.
- (Joint with M. A. Hadian Nadooshan) B-majorization and its linear Preservers, Linear Algebra and its Applications, vol478 (2015), 218-227.
- (Joint with M. A. Hadian Nadooshan) On multiplicative (strong) linear preservers of majorizations, Sahand Communications in Mathematical Analysis, vol3, no.2 (2016), 91-106.
- (Joint with S. M. Motlaghian, F. J. Hall) Linear preservers of row-dense matrices. Czechoslovak Math. Journal, vol 66, no. 3 (2016), 847–858.
- (Joint with S. M. Motlaghian, F. J. Hall) Linear preservers of Hadamard majorization. Electronic Journal of Linear Algebra, vol 31 (2016), 593-609.
- (Joint with S. M. Motlaghian, F. J. Hall) Topological properties of J -orthogonal matrices Linear and Multilinear Algebra, vol 66 (2018), 2524-2533.
- (Joint with S. M. Motlaghian, F. J. Hall) Strong linear preservers of dense-matrices. Bulletin of the Iranian Mathematical Society, vol 44 (2018), 969–976.
- (Joint with S. M. Motlaghian, F. J. Hall) Topological properties of J -orthogonal matrices part II, Linear and Multilinear Algebra, 2019, DOI: [10.1080/03081087.2019.1601667](https://doi.org/10.1080/03081087.2019.1601667).
- (Joint with A. Askarizadeh) Strong Local Linear Preservers of Multivariate Majorization, Bulletin of the Iranian Mathematical Society, 2019, DOI: [10.1007/s41980-019-00280-w](https://doi.org/10.1007/s41980-019-00280-w).
- (Joint with F. Akbarzadeh) On Row-Sum Majorization, Czech. Math. J.2019, DOI: [10.21136/CMJ.2019.0084-18](https://doi.org/10.21136/CMJ.2019.0084-18)

- (Joint with F. Akbarzadeh) linear preservers of row-sum left-majorization, Sahand Communications in Mathematical Analysis, (to appear).

In International conferences (selected papers):

- The 8th workshop on numerical ranges and numerical radii, Bremen, Germany, July 15–17, 2006.
- 13th Conference of the International Linear Algebra Society, Amsterdam, Netherland, July 18–21, 2006.
- International Conference on Operator Theory, Timisoara, Romania, July 3-8, 2008.
- International Conference of Mathematical Sciences, Istanbul, Turkey, August 04-10, 2009.
- 16th Conference of the International Linear Algebra Society, Pisa, Italy, June 21-25, 2010.
- 6th Linear Algebra Workshop, Kranjska Gora, Slovenia, May 25 – June 1, 2011.
- Workshop of Operator and Algebra, Lisbon, Portugal, September 11 – 14, 2012.
- 4th International Conference on Matrix Analysis and Applications, Konya, Turkey, July 2-5, 2013.
- Caucasian Mathematics Conference (CMC-I), Tbilisi, Georgia, September 5-6, 2014.
- 5th International Conference on Matrix Analysis and Applications, Florida, USA, December 17-20, 2015.
- Recent Advances in Linear Algebra and Graph Theory, Tennessee, USA, March 5-6, 2016.
- New York Number Theory Seminar number theory (CANT 2017), New York, USA, May 23-26, 2017.
- Summer School on Operator Algebras, Spectral Theory and Applications to Topological Insulators, Tbilisi, Georgia, September 17-21, 2018.
- Recent Advances in Operator Theory and Operator Algebras, Bangalore, India, December 13-19, 2018.

Hobbies:

- Reading
- Watching movie
- Traveling
- Playing football
- Swimming
- Mountain climbing