C.V.
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Ali Morassaei

(I) Personal Data

Name:	Surname:	Abbreviation:
Ali	**Morassaei**	**A. Morassaei**
Birthday:	Place of birth:	Nationality:
September 21, 1975	Zanjan, Iran	Iranian

Title of Ph.D dissertation:	**Operator Inequalities on Hilbert Spaces**
Ph.D. Supervisors:	Professor F. Mirzapour and Professor M.S. Moslehian
Duration of Ph.D. study:	September 2008-December 2012
Title of Ms.C. dissertation:	**Approximately Convex Functions on Topological Groups**
Ms.C. Supervisor:	Professor Farzollah Mirzapour
Duration of Ms.C. study:	September 1997-June 1999

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(II) List of Publications:

Papers

1. A. Morassaei, *Variant versions of the Lewent type determinantal inequality*, Adv. Oper. Theory, **3**(3) 2018, 632–638. (ISC and Scopus)
2. M. Bakherad and A. Morassaei, *Some extensions of the operator entropy type inequalities*, Linear and Multilinear algebra, DOI:10.1080/03081087.2018.1434116 2018, Accepted. (ISI)
3. A. Morassaei, *Survey on entropy in mathematics from numerical form to operator form*, Mathematics and Society, **2**(4) (2018), 71–84. (in Persian)
4. M. Bakherad and A. Morassaei, *Some operator Bellman type inequalities*, Indagationes Mathematicae, **26**(4) (2015), 646–659. (ISI)
5. A. Morassaei and F. Mirzapour, *Alzer inequality for Hilbert spaces operators*, J. Applied Functional Analysis, **8**(2) (2013), 229-234.
6. R. Eskandari, F. Mirzapour and A. morassaei, *More on* (α, β)*-normal operators in Hilbert spaces*, Abstract and Applied Analysis, Vol. 2012, Article ID 204031, doi:10.1155/2012/204031. (ISI)
7. M.S. Moslehian, F. Mirzapour and A. Morassaei, *Operator entropy inequalities*, Colloq. Math. **130**(2) (2013), 159–168. (ISI)
8. F. Mirzapour, A. Morassaei and M.S. Moslehian, *Operator Bellman type inequalities*, Quaest. Math. **37** (2014), 9–17. (ISI)
9. A. Morassaei, F. Mirzapour and M.S. Moslehian, *Bellman inequality for Hilbert space operators*, Linear Algebra Appl., **438** (2013), 3776–3780. (ISI)
10. A. Morassaei, *On Hadamard's inequalities for the convex mappings defined in topological groups and connected result*, J. Math. Ineq. **4**(3) (2010), 445–452. (ISI)
11. A. Morassaei, *Teaching methods in line equation with the geometric vision*, Message of Secretariat Mathematics, **3** (2010), 43–46. (in Persian)
12. J. Rooin and A. Morassaei, *Some refinements of relative information inequality*, Creative Math. & Inf. **16** (2007), 95-98.
13. J. Rooin and A. Morassaei, *A double-weighted refinement of Jensen's inequality with Applications*, Numerical Analysis and Applied Mathematics, (2007), 700-702.
14. F. Mirzapour and A. Morassaei, *Quasi-convex functions in topological groups*, Int. J. Appl. Math., **16**(4) (2004), 281-289.
15. F. Mirzapour and A. Morassaei, *On approximately convex functions*, Iranian Int. J. Sci., **2**(1)(2001), 83-95.

Books

1. A. Morassaei, *Operator Inequalities on Hilbert Spaces*, LAP Lambert Academic Publishing, 2013.
2. J. Rooin and A. Morassaei, *Theory of inequalities*, Manuscript, Institute for Advanced Studies in Basic Sciences (IASBS), Iran, 2009. (in Persian)
3. A. Morassaei, *Extended abstract of 38th annual Iranian mathematics conference*, University of Zanjan, Iran, 2007.
4. A. Morassaei, *Mathematical analysis III*, Manuscript, University of Zanjan, 2006. (in Persian)
5. A. Morassaei, *Mathematical analysis*, Solaleh Publication, Zanjan, Iran, 2003. (in Persian)

Research Projects

1. J. Rooin and A. Morassaei, *Multi-weighted refinement of Jensen's inequality and its applications in the geometry of Banach spaces*, IASBS, Zanjan, 2007.
2. J. Rooin and A. Morassaei, *Characterizations of Hilbert spaces and Banach spaces inequalities*, IASBS, Zanjan, 2006.
3. J. Rooin, M. Bayat and A. Morassaei, *Refinement of Jensen's inequality and its applications in information theory*, IASBS, Zanjan, 2005.
4. J. Rooin, M. Bayat and A. Morassaei, *Means and its applications in coding and information theory*, IASBS, Zanjan, 2004.
5. J. Rooin and A. Morassaei, *Hadamard's inequality for convex functions defined on topological groups*, IASBS, Zanjan, 2003.
6. F. Mirzapour and A. Morassaei, *Study of quasi-convex functions in topological groups*, University of Zanjan, Zanjan, 2000.

Talks and Seminars

1. M.S. Ganeei Bafghi and A. Morassaei, *A class for completely monotone functions*, The 5$^{\text{th}}$ Seminar on Functional Analysis and its Applications, 12-13 July 2017, University of Zanjan, Iran.
2. A. Morassaei, *On recent developments in operator entropy*, The 5$^{\text{th}}$ Seminar on Functional Analysis and its Applications, 12-13 July 2017, University of Zanjan, Iran.
3. A. Morassaei, *Some determinantal inequality*, 22$^{\text{th}}$ Seminar on Mathematical Analysis and its Applications, 25-26 January 2017, University of Bonab, Iran.

4. A. Morassaei, *New extension of operator entropy in Hilbert spaces*, 47$^{\text{th}}$ Annual Iranian Mathematics Conference, 28-31 August 2016, Kharazmi University, Iran.

5. A. Morassaei and M. Bakherad, *A difference type reverse of the operator Bellman inequality*, The 8$^{\text{th}}$ Seminar on Linear Algebra and its Applications, 13-14 May 2015, University of Kurdistan, Iran.

6. A. Morassaei, *Several operator versions of Bellman's inequality*, 45$^{\text{th}}$ Annual Iranian Mathematics Conference, 26-29 August 2014, Semnan University, Iran.

7. A. Morassaei, *Some Lewent type determinantal inequality*, The 7$^{\text{th}}$ Seminar on Linear Algebra and its Applications, 26-27 February 2014, Ferdowsi University of Mashhad, Iran.

8. A. Morassaei, *On operators entropy in Hilbert spaces*, 44$^{\text{th}}$ Annual Iranian Mathematics Conference, 27–30 August 2013, Ferdowsi University of Mashhad, Mashhad, Iran.

9. A. Morassaei and F. Mirzapour, *Alzer inequality for two operators in Hilbert spaces*, 43$^{\text{th}}$ Annual Iranian Mathematics Conference 27–30 August 2012, Tabriz University, Tabriz, Iran.

10. A. Morassaei and F. Mirzapour, *Alzer inequality for Hilbert spaces operators*, International Conference on Applied Mathematics and Approximation Theory, TOBB Uni., Ankara, Turkey, 17–19 May 2012.

11. F. Mirzapour and A. Morassaei, *Harmonic-Geometric-Arithmetic mean inequality of several positive operator*, International Conference on Applied Mathematics and Approximation Theory, TOBB Uni., Ankara, Turkey, 17–19 May 2012.

12. A. Morassaei and F. Mirzapour, *Operator Bellman inequality*, 42$^{\text{th}}$ Annual Iranian Mathematics Conference 5-8 September 2011, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.

13. A. Morassaei and F. Mirzapour, *Inequalities for (α, β)-normal operators in Hilbert spaces*, 41$^{\text{st}}$ Iranian International Conference on Mathematics 12-15 September 2010, Urmia University, Urmia, Iran.

14. J. Rooin and A. Morassaei, *Multi-weighted refinement of Jensen's inequality with applications*, 39$^{\text{th}}$ Annual Iranian Mathematics Conference, 24-27 August 2008, Shahid Bahonar University of Kerman, Kerman, Iran.

15. J. Rooin and A. Morassaei, *A double-weighted refinement of Jensen's inequality*, International Conference of Numerical Analysis and Applied Mathematics-Symposium: Inequalities with Applications in Numerical Analysis (ICNAAM), Corfu, Greece, 16-20 September 2007.

16. J. Rooin and A. Morassaei, *On Jensen's inequality*, 38$^{\text{th}}$ Annual Iranian Mathematics Conference, 3-6 September 2007, University of Zanjan, Zanjan, Iran.

17. J. Rooin and A. Morassaei, *Refinement of Jensen's inequality with double weighted function*, 16$^{\text{th}}$ Seminar on Mathematical Analysis and its Applications, 4-5 February 2007, Ferdowsi University of Mashhad, Mashhad, Iran. (in persian)

18. A. Morassaei, *Hermit-Hadamard inequality on topological group*, 35$^{\text{th}}$ Annual Iranian Mathematics Conference, 26-29 January 2005, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (in persian)

19. A. Morassaei, *Quasi-convex functions in topological groups*, 32nd Annual Iranian Mathematics Conference, 27-30 August 2001, Mazandaran University, Babolsar, Iran.

20. F. Mirzapour and A. Morassaei, *On Quasi-convex functions*, 31st Annual Iranian Mathematics Conference, 27-30 August 2000, University of Tehran, Tehran, Iran.

21. F. Mirzapour and A. Morassaei, *Theorems of Blumberg-Sierpinski and Mehdi and approximately Wright-convex functions*, 30th Annual Iranian Mathematics Conference, 1-4 August 1999, University of Mohaghegh Ardebili, Ardebil, Iran.

22. A. Morassaei and Y. Alizadeh, *Approximately convex functions on locally compact topological groups*, 30th Annual Iranian Mathematics Conference, 1-4 August 1999, University of Mohaghegh Ardebili, Ardebil, Iran.

23. A. Morassaei, *Three-dimensional solutions for two-dimensional problems*, 3th Annual Iranian Mathematics Education Conference, 26-28 August 1998, Shahid Bahonar University of Kerman, Kerman, Iran.

24. A. Morassaei and Y. Alizadeh, *Approximately midconvex functions on topological groups*, 1st Student Iranian Mathematics Conference, 14-17 March 1998, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (in persian)

Papers in Preparation

1. J. Rooin and A. Morassaei, *A multiweighted refinement of the integral form of Jensen's inequality with applications.*

2. F. Mirzapour and A. Morassaei, *Harmonic-Geometric-Arithmetic mean inequality of several positive operator.*

(III) Area of Research:

- Theory of Inequalities
- Functional Analysis
- Mathematical Analysis
- Operator Theory
- Operator Inequality
- Convex Functions on Topological Groups

(IV) Specific Topics of Interests:

- Analytic Inequalities
- Geometry of Banach Spaces
- Mathematical Analysis
- Operator Theory
- Operator Inequality

(V) Memberships:

- Iranian Mathematical Society
- Research Group in Mathematical Inequalities and Applications (RGMIA)

(VI) Reviewer for:

- American Math. Soc. (MR)
- European Math. Soc. (zbMATH)

(VII) Taught Courses:

- Calculus I, II, III
- Mathematical Analysis I, II, III
- Complex Variables
- General Topology
- Differential Geometry
- Linear Algebra
- Algebra I, II
- Inequality Theory
- Ordinary Differential Equation
- Logic and Set Theory
- Mathematics Education

(VIII) Services:

- Referee of the 22^{th} Seminar on Mathematical Analysis and its Applications, 25–26 January 2017, University of Bonab, Iran.
- Referee of the 44^{th} Annual Iranian Mathematics Conference 27-30 August 2013, University of Mashhad, Iran.
- Referee of the Journal of Mathematical Extension.

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