Curriculum Vitae

Ali Asghar Rezaei

ADDRESS:

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Faculty of Mathematical Science
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PERSONAL:

BIRTH DATE: December 6, 1979

PLACE OF BIRTH: Lorestan, Iran

NATIONALITY: Iranian

SEX: Male

MARITAL STATUS: Married

CHILDREN: Two daughters

EDUCATION:

- **2011 PHD** Pure Mathematics: Shahid Beheshti University, Iran
  THESIS TOPIC: *Noncommutative CW-Complexes*
- **2005 MSC** Pure Mathematics: Shahid Beheshti University, Iran
  PROJECT TOPIC: *Weak Amenability and n-Weak Amenability of Banach Algebras*
- **2003 BSC** Pure Mathematics: University of Kashan, Iran

AWARDS AND HONORS:

- 2012 Distinctive Teacher: University of Kashan, I R Iran
- 2014 Distinctive Teacher: University of Kashan, I R Iran
- 2017 Distinctive Teacher: University of Kashan, I R Iran

ACADEMIC EMPLOYMENT:

- 2018–present Head of the Department of Pure Mathematics, University of Kashan, Kashan, I R Iran.
- 2011–present Assistant Professor of Mathematics, Department of Pure Mathematics, University of Kashan, Kashan, I R Iran.

SUBJECT TAUGHT:

- **Undergraduate Level:** Differential Geometry, General Topology, Foundations of Geometry, Foundations of Mathematics, Engineering Mathematics, Ordinary Differential Equation, Calculus I, Calculus II.
- **Postgraduate Level:** Geometry of Manifolds I, Geometry of Manifolds II, Algebraic Topology, Symplectic Geometry, Special Topics.

PRESENT RESEARCH WORKS:

Noncommutative Geometry, Riemannian Geometry, Algebraic Topology, Finite Geometry, Differential Geometry, Mathematical Chemistry.

CONFERENCE ORGANIZERS:

- **Member of Policy Council:** 51TH ANNUAL IRANIAN MATHEMATICS CONFERENCE, University of Kashan, I R Iran, SEPTEMBER 7−10, 2020, KASHAN, IRAN.
- **Member of Scientific Committee**: International Conference on Architecture and Mathematics, December 16-18, 2017, University of Kashan, I R Iran.
- **Member of Organizing Committee:** 9th Iranian Group Theory Conference (IGTC 2017), February 1−3, 2017, University of Kashan, I R Iran.
- **Member of Organizing Committee:** The second conference on Computational Group Theory, Computational Number Theory and Applications (CACNA 2015), October 13−15, 2015, University of Kashan, I R Iran.
- **Member of Organizing Committee:** The first conference on Computational Group Theory, Computational Number Theory and Applications (CACNA 2014), December 17−19, 2014, University of Kashan, I R Iran.
- **Member of Organizing Committee:** 5th Conference on Algebraic Combinatorics and Graph Theory, July 3−4, 2012, University of Kashan, I R Iran.

Journal Publications

1. Milani, Vida, Seyed MH Mansourbeigi, and Ali Asghar Rezaei, Morse Theory and the Geometric interpretation of NCCW Complexes, Applied general topology 12(2) (2011).
2. Rezaei, Ali Asghar. "On the Geometric Structures with n Points and k Distances." Electronic Notes in Discrete Mathematics, 45 (2014).
3. Rezaei, Ali Asghar. "Polygonal tiling of some surfaces containing fullerene molecules." Iranian Journal of Mathematical Chemistry 5, no. 2 (2014).
4. Reisi-Vanani, A., & Rezaei, A. A. "Evaluation of the aromaticity of non-planar and bowl-shaped molecules by NICS criterion. Journal of Molecular Graphics and Modelling, 61, (2015).
5. Rezaei, Ali Asghar. "Tiling fullerene surface with heptagon and octagon." Fullerenes, Nanotubes and Carbon Nanostructures23, no. 12 (2015).
6. Milani, V., Mansourbeigi, S. M., & Rezaei, A. A. Cofibrations in the Category of Noncommutative CW Complexes. Acta Mathematica Universitatis Comenianae, 85(1), (2016).
7. Rezaei, Ali Asghar. "CURVE RECONSTRUCTION ON RIEMANNIAN MANIFOLDS BY MESHLESS PARAMETERIZATION." Advances and Applications in Discrete Mathematics 17, no. 4 (2016).
8. Rezaei AA, Reisi-Vanani A, Masoum S. An application of geometrical isometries in non-planar molecules. Iranian Journal of Mathematical Chemistry, (2017).
9. Rezaei, Ali Asghar, "On the Configurations with n Points and Two Distances", Mathematics Interdisciplinary Research, (2017).
10. Rezaei A. A. and Eshraghi-Naeini, M., "Similar Triangles, Another Trace of the Golden Ratio", Journal of new research in mathematics, 3(9), (2017).
11. Rezaei, Ali Asghar, "PARTITION-EQUIVALENT n-POINTS CONFIGURATIONS WITH TWO DISTANCES", Facta Universitatis, Series: Mathematics and Informatics, 34(9), (2019).
12. Rezaei, Ali Asghar, "On the Noncommutative Mapping Torus and Related Structures", Acta Mathematica Universitatis Comenianae, 89(1), (2020).

Book Chapters

A. A. Rezaei, Tiling Fullerene Surfaces, In: Distance, Symmetry and Topology in Carbon Nanomaterials, A. R. Ashrafi, M. V. Diudea (eds.), Carbon Materials: Chemistry and Physics 9, Springer–Varlag, 2016; pp. 437–446.

Conference Papers

1. Ali Asghar Rezaei, "Noncommutative Discrete Morse Theory", 45th Annual Iranian Mathematics conference (2014).
2. Ali Asghar Rezaei, "Slant Helices in 3D-Space: A Bertrand and Spherical View", 9th Seminar on Geometry and Topology (2017).
3. Ali Asghar Rezaei, "On the Constant Angular Speed Curves", 49th Annual Iranian Mathematics conference (2018).

Peer Review Activities

International Journals Reviewer Including

- Journal of New Researches in Mathematics.