

# Azam Pourmirzaei

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## **Education:**

**September 1999- June 2003: B.S. in Payame noor University of Mashhad, Iran**

**June 2003-June 2005: M.S. in pure mathematic, Ferdowsi University of Mashhad, Iran (mathematic centre of excellence)**

**June 2005-August 2010: Ph.D. in pure mathematic, Ferdowsi University of Mashhad, Iran (mathematic centre of excellence)**

## **Present Employment & Position:**

Assistant Professor of Mathematics at the Hakim Sabzevari University.

## **Research Experiences:**

**September 2005: M.S.Thesis "The Capability of some p-groups"**

**Advisor: Dr. Saeed Kayvanfar**

**August 2010: Ph.D.Thesis "On the Capable, Perfect and Nilpotent Pair of Groups."**

**Supervisor: Dr. Saeed Kayvanfar**

## **Subject Studied in M.S.:**

Advanced Algebra

Real analysis (1)

Finite Groups

Manifold

Infinite Group

Homological Algebra

## **Subject Studies in Ph.D.:**

Topics in Group Theory (I)

Topics in Group Theory (II)

Topics in Homological Algebra (II)

Topics in Group Theory (III)

## **Papers in journal:**

1. The Capability of a Pair of Groups, Bulletin of the Malaysian Mathematical Sciences Society, 35 (2012), 205-213.

2. A criterion for  $c$ -capability of pairs of groups, Tbilisi Mathematical Journal 5 (2012), pp. 31–38.
3. On the Nilpotency of a Pair of Groups, Southeast Asian Bulletin of Mathematics (2013) 37: 67–77
4. On relative central extensions and covering pairs, Journal of Algebraic Systems Vol. 4, No. 1, (2016), 1-13
5. Some Bounds for the Index of the  $n$ -Center Subgroup of an  $n$ -Abelian Group. (to appear).
6. Baer's theorem and its converse in the variety of  $n$ -Abelian groups, U.P.B. Sci. Bull., Series A, Vol. 82, (2020), 75-82
7. On  $n$ -nilpotent groups and  $n$ -nilpotency of  $n$ -abelian groups, Mathematics Interdisciplinary Research 5 (2020), 355-366

### **Presentations/Conferences:**

1. A note on absolutely and relatively capable groups, 22nd Iranian Algebra Seminar, 2012
2. Capable pairs of finitely generated abelian groups, 1st Algebraic Structures Seminar, 2012
3. On the Nilpotency of a Pair of Groups, Fourth Group Theory Conference of Iran, 2012
4. On The Exterior  $G$ -center subgroup of a pair of groups, 22nd Iranian Algebra Seminar, 2012
5. The frattini and residually nilpotent pair of groups, The 44th Annual Iranian Mathematics Conference, 2013
6. An approach to  $c$ -imperfect groups, The 6th International Group Theory Conference, 2014
7. On the  $n$ - $c$ -Nilpotent Groups, 46th Annual Iranian Mathematics Conference, 2015
8. Some results on relatively capable groups, The 8th Iranian Group Theory Conference, 2016
9.  $n$ -Nilpotent Fuzzy Subgroup, 25th Iranian Algebra Seminar, 2016
10. The autocommutator subgroup and absolute center of a group, The 49th Annual Iranian Mathematics Conference, 2018