




Name & Surname: Mojtaba Jazaeri

Date of Birth: 2 May 1983

 **Address: Department of mathematics**

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PROFESSIONAL PROFILE:

Assistant Professor of Mathematics at Shahid Chamran University (SCU) of Ahvaz.

EDUCATION BACKGROUND:

PhD degree, University of Isfahan, Isfahan, Iran, 2010-2014.

Supervisor: Professor Alireza Abdollahi.

Field: Algebraic Combinatorics.

Sabbatical leave to research and work with Prof. Edwin van Dam at

Tilburg university, Netherlands, from April to August 2014.

Thesis title: On Cayley graphs with special spectra.

Postdoctoral researcher via email and work with Prof. Edwin van Dam at Tilburg university, Netherlands, from 2017 to 2019.

Title: Distance-regular Cayley graphs with small valency.

MSc degree, Ferdowsi University of Mashhad, Mashhad, Iran, 2006- 2008.

Supervisor: Professor Bahman Honary.

Field: Pure Mathematics (Dynamical systems).

Thesis title: On mixing property in discrete systems.

BSc degree, Shahid Chamran University of Ahvaz, Ahvaz, Iran, 2002-2006.

Academic honor: Bronze medal in 30th mathematical competitions in Iran.

TEACHING AND TRAINING EXPERIENCE:

General mathematics, Department of Mathematics and Statistics, University of Isfahan, Isfahan, Iran, 2012-2013.

General mathematics, Department of Mathematics, Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Ahvaz, Iran, 2014-2021.

Graph theory, Department of Mathematics, Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Ahvaz, Iran, fall 2014, 2015 and spring 2019.

Introductory combinatorics, Department of Mathematics, Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Ahvaz, Iran, spring 2016 and fall 2017, 2018 and spring 2019.

Algebra, Department of Mathematics, Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Ahvaz, Iran, 2017-2018.

Advanced algebra, Department of Mathematics, Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Ahvaz, Iran, spring 2017.

HONOURS AND AWARDS:

Bronze medal in 30th mathematical competitions for BSc student in Iran;

First grade student in PhD.

INTERESTS AND RESEACH FIELDS:

Distance-regular graphs, Cayley graphs and spectra graph theory

RESARCH ACTIVITIES:

- 1- A. Abdollahi and M. Jazaeri, on groups admitting no integral Cayley graphs besides complete multipartite graphs, *Appl. Anal. Discrete Math.*, **7** (2013), 119-128.
- 2- A. Abdollahi and M. Jazaeri, Groups all of whose undirected Cayley graphs are integral, *European J. Combin.*, **38** (2014), 102-109.
- 3- Abdollahi, Sh. Janbaz and M. Jazaeri, Groups all of whose undirected Cayley graphs are determined by their spectra, *J. Algebra Appl.*, 2016.
- 4- A. Abdollahi, E. R. van Dam and M. Jazaeri, Distance-regular Cayley graphs with least eigenvalue -2 , *Des. Codes Cryptogr.*, **84** (2017), 73-85.
- 5- A. Abdollahi and M. Jazaeri, Integral graphs with distinct eigenvalues, *Ars Combin.*, **140** (2018), 351-357.
- 6- E. R. van Dam and M. Jazaeri, Distance-regular Cayley graphs with small valency, *Ars Math Contemp.*, **17** (2019) 203–222.

CONFERENCE PRESENTATIONS:

1- M. Jazaeri, On bipartite distance-regular Cayley graphs with diameter 3, The IPM Combinatorics and Computing Conference 2017, Institute for Research in Fundamental Sciences, Tehran, Iran.

2- M. Jazaeri, Distance-regular Cayley graphs with special spectra, Weekly Seminar Combinatorics and Computing, spring 2016, Institute for Research in Fundamental Sciences, Tehran, Iran.

3- M. Jazaeri, Distance-regular Cayley graphs with small valency, Weekly Seminar Combinatorics and Computing, fall 2017, Institute for Research in Fundamental Sciences, Tehran, Iran.

4- M. Jazaeri, A note on bipartite distance-regular Cayley graphs with diameter 3, The IPM Combinatorics and Computing Conference 2019, Institute for Research in Fundamental Sciences, Tehran, Iran.

PROFESSIONAL MEMBERSHIPS:

Reviewer of American Mathematical Society;

Member of American Mathematical Society.

LANGUAGES:

Persian (native)

English (second)