



Farzad Shaveisi

Assistant Professor of Mathematics

Department of Mathematics
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Educations:

Ph. D. (2008-2012): Pure Mathematics, K.N. Toosi University of Technology, Tehran, Iran.

The Subject of Ph. D. Thesis : On the Algebraic Structure of Rings, Using Directed and Undirected Graphs.

Supervisors: *Prof. Saieed Akbari and M.J. Nikmehr;*

M. Sc. (2003-2005): Pure Mathematics, K.N. Toosi University of Technology, Tehran, Iran.

The Subject of M. Sc. Thesis : On the P-Projective, n-Star and n-Tilting Modules.

B. Sc (1999-2003): Mathematics, Isfahan University, Isfahan, Iran.

Research and Related Activities:

Algebraic Combinatorics;
Spectra of Graphs;
Colorings and Partitions in Graphs;
Relative Homological Algebra;

Publications:

A. Journals

- 1- F. Shaveisi, The Coloring of The Regular Graph of Ideals, **submitted**.
- 2- F. Shaveisi, M. Amini, Relative Flatness and Relative Coherence with Respect to a Tilting Module, **submitted**.
- 3- F. Shaveisi, The Center and Radius of The Regular Graph of Ideals, **submitted**.
- 4- R. Nikandish and F. Shaveisi, Some Properties of the Nil-Graphs of Ideals, **submitted**.
- 5- M.J. Nikmehr, F. Shaveisi and H. Amraei, Co-n-Star Modules under Change of Rings, **submitted**.
- 6- F. Shaveisi, M. Amini and M.H. Bijanzadeh, Some Properties of the Add T -Resolutions When T is a Tilting Module, **to appear**.
- 7- F. Shaveisi, M. Amini and M.H. Bijanzadeh, Gorensetein $[T]$ -Injectivity on T -Coherent Rings,, **to appear**.
- 8- F. Shaveisi and R. Nikandish, The Nil-Graphs of Ideals of Commutative Rings, *Bull. Malays. Math. Soc.* (2), **to appear**.
- 9- G. Aalipour, S. Akbari, R. Nikandish, M.J. Nikmehr and F. Shaveisi, Minimal Prime Ideals and Cycles in Annihilating-Ideal Graphs, *Rocky Mountain J. Math.* **43(5)** (2013) 1415-1425.
- 10- G. Aalipour, S. Akbari, M. Behboodi, R. Nikandish, M.J. Nikmehr and F. Shaveisi, The Classification of the Annihilating-Ideal Graph of a Commutative Ring, *Algebra Colloq.* **21(2)** (2014) 249-256.
- 11- G. Aalipour, S. Akbari, R. Nikandish, M.J. Nikmehr and F. Shaveisi, On the Coloring of the Annihilating-Ideal Graph of a Commutative Ring, *Discrete. Math.* **312** (2012) 2620-2626.
- 12- M.J. Nikmehr, F. Shaveisi, The Regular Digraph of Ideals of a Commutative Ring, *Acta*

Math. Hungar. **134(4)** (2012), 516-528.

13- M.J. Nikmehr, F. Shaveisi, T-Dimension and $(n+1/2, T)$ -Projective Modules, *Seams Bull. Math.* **36** (2012), 113-123.

14- M.J. Nikmehr, F. Shaveisi, Relative T-Injective Modules and Relative T-Flat Modules, *.Chin. Ann. Math.* **32B(4)** (2011) 497-506.

15- M.J. Nikmehr, F. Shaveisi, A Generalization of Homological Dimensions, *Ring and Module Theory*, Trends in Mathematics, Springer Basel AG, Birkh user Verlag Basel/ Switzerland, 2010, 143-149.

B. Conferences:

16- The Radius of the Regular Graph of Ideals, *8th Conference and Workshop on Algebraic Combinatorics and Graph Theory*, October, 7-8, 2015, Imam Khomeini International University, **Qazvin, Iran**.

17- On the Algebraic Structure of Rings, Using Regular Digraph of Ideals, *The Fourth Algebraic Combinatorics Conference*, November, 2-3, 2011, Buali Sina Univesity, **Hamadan, Iran**.

18- On the Regular Digraph of Ideals of an Artinian Ring, *2nd Istanbul Design Theory, Graph Theory and Combinatorics Conference*, June 27-July 1, 2011, Koc University, **Istanbul, Turkey**.

19- A Survey on the Power Graph of a Group, *The Third Algebraic Combinatorics Conference*, Febuary, 24--25, 2010, Isfahan Univesity, **Isfahan, Iran**.

20- Minimal Prime Ideals and Cycles in Annihilating-Ideal Graphs, *International Congress of Mathematicians (ICM)*, Augest, 19-28, 2010, **Hyderabad, India**.

21- On the Annihilating-Ideal Graph of a Noetherian Commutative Ring, *8th French Combinatorial Conference (8FCC)*, June 28-July 2, 2010, University **Paris Sud 11, Orsay, France**.

22- On the Existence of Cycles in Annihilating-Ideal Graphs, *The Second Conference on Algebraic Combinatorics*, May, 12-13, 2010, Ferdosi Univesity, **Mashhad, Iran**.

23- On the Clique and Chromatic Number of the Annihilating-Ideal Graph of a Commutative Ring, *The first Conference on Algebraic Combinatorics*, May, 12-13, 2010, Tabriz University, **Tabriz, Iran**.

Ph. D. Student:

M. Amini

M. Sc. Students:

F. Saifpoor

M. Latifi

S. Nasouri

T. Hosseini

S. Bayati

M. Adinevand

A. Sanginabadi

Teaching:

Algebraic Graph Theory
Combinatorics and Its Applications
Advanced Algebra
Linear Algebra
Foundations of Combinatorics
Foundations of Algebra
Foundations of Mathematics
Calculus and Differential Equations