PERSONAL INFORMATION

Mohammad Habibi

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🌐 http://www.ams.org/mathscinet/search/author.html?mrauthid=902749

Sex male | Date of birth 16/09/1983 | Nationality Iranian

WORK EXPERIENCE

(Dec. 2021 - till date)   **Vice-chancellor of Finance and Resource Management**
Tafresh University, Tafresh, Iran.

(Aug. 2018 - Jan. 2019)   **Vice-chancellor for Cultural Affair**
Arak University of Technology, Arak, Iran.

(Jan. 2013 - Aug. 2018)   **Vice-chancellor for Student and Cultural Affair**
Tafresh University, Tafresh, Iran.

(Apr. 2012 - till date)   **Faculty member (Ongoing position)**
Department of Mathematics, Tafresh University, Tafresh, Iran.

(Sep. 2011 - June. 2018)   **Part time sessional Lecturer**
Payam Noor University, Branch of Tafresh, Tafrersh, Iran.

(Feb. 2010 - Apr. 2012)   **Part time sessional Lecturer**
Department of Mathematics, Tafresh University, Tafresh, Iran.

(Sep. 2008 - June. 2011)   **Part time sessional Lecturer**
Department of Mathematics, Faculty of Economics, Allameh Tabataba'e University, Tehran, Iran.

EDUCATION AND TRAINING

(2001-2005)   **Pure Mathematics**   BSc
Razi University, Kermanshah, Iran. (**Ranked first**)

(2005-2008)   **Pure Mathematics (Non-commutative Algebra)**   MSc
Tarbiat Modares University, Tehran, Iran. (**Ranked first**)

Thesis: Extensions of clean and n-clean rings.

(2008-2011)   **Pure Mathematics (Non-commutative Algebra)**   PhD
Tarbiat Modares University, Tehran, Iran. (**Ranked first in the PhD entrance exam**)

Thesis: Rings extensions with annihilator conditions.

PERSONAL SKILLS

Mother tongue(s)	Farsi
Other language(s)	English - Arabic

Research Interests

Algebra: Skew polynomial rings, Skew monoid rings,
Combinatorics: Algebraic graph theory, Topological index of graphs
Computer Sciences: Machine Learning

Erdős number: 3

Communication skills

Good communication skills gained through my experience as lecturer, researcher and student in universities and institutes.

Organisational / managerial skills

Supervising and advising 15 BSc students, 7 MSc students and 5 PhD student.

Job-related skills

Teaching: Thought nearly 15 different courses in mathematics which is listed below in course taught section.
Research: Write and published about 40 academic papers in international journals.

Courses Taught

Calculus 1, Calculus 2, Ordinary Differential Equations,
Algebra1, Algebra 2, Algebra 3, Linear Algebra, Number Theory, Non-commutative Algebra,
Discrete Mathematics, Graph Theory, Combinatorics, Algebraic Graph Theory.

Computer skills

Microsoft Office, La-Tex

ADDITIONAL INFORMATIONS

Journals Publications

1. K. Pakan, **M. Habibi**, An alternative perspective on Jacobson radical of skew inverse Laurent series rings, J. Alebra Appl. In press.
2. **M. Habibi**, K. Paykan, H. Arianpoor, On generalized quasi Baer skew monoid rings, J. Alebra Appl. In press.
3. **M. Habibi**, K. Paykan, On skew generalized skew triangular matrix rings, J. Algebraic Sstems, In press.
4. S. Akbari, **M. Habibi**, S. Rouhani, A note on an inequality between energy and Sombor index of a graph, MATCH Commun. Math. Comput. Chem. 90 (2023) 765-771.
5. S. Akbari, H. Alizadeh, M. H. Fakharan, **M. Habibi**, S. Rouhani, S. Rabizadeh, Some relations between rank, vertex cover number and energy of graph, MATCH Commun. Math. Comput. Chem. 89 (2023) 653-664.
6. M. Farkhondeh, **M. Habibi**, D. A. Mojdeh, On multiplicity of the Laplacian eigenvalue 2 in bicyclic graphs, Research Commun. Math. & Math. Sci. 13(1) (2021) 13-29.
7. **M. Habibi**, E. Yetkin Celikel, C. Abdioglu, Clean graph of a ring, J. Algebra Appl. 20(9) (2021).
8. **M. Habibi**, A. Moussavi, R. Manaviat, On quasi-Armendariz skew monid rings, J. New Researches Math., 6(24) (2020) in Persian.
9. D. A. Mojdeh, **M. Habibi**, L. Badakhshian, Y. Rao, Zagreb indices of trees, unicyclic and bicyclic graphs with given (total) domination, IEEE Access 7 (2019).
10. M. Farkhondeh, **M. Habibi**, D. A. Mojdeh, Y. Rao, Some bicyclic graphs having 2 as their Laplacian eigenvalues, Mathematics, 7 (2019).
11. D. A. Mojdeh, **M. Habibi**, L. Badakhshian, A. Loghman, Domination, total domination and open packing of the corcor domain of grapheme, Ser. Math. Inform. 34(4) (2019) 789-796.
12. S. Karimi, Sh. Sahebi, **M. Habibi**, On J-rigid rings, Hacet. J. Math. Stat., 48(6) (2019) 1815-1823.

13. S. Karimi, Sh. Sahebi, **M. Habibi**, The Jacobson radical of inverse Laurent power series of rings, J. Algebra Appl. 17(4) (2018).
14. K. Paykan, **M. Habibi**, Further results on skew monoid rings of a certain free monoid (I), Cogent Math. Stat. 5 (2018).
15. **M. Habibi**, D. A. Mojdeh, L. Badakhshian, Total and connected domination in chemical graphs, Italian J. Pure Appl. Math. 39 (2018) 393-401.
16. D. A. Mojdeh, **M. Habibi**, A note on independent domination of zero-divisor graphs, Utilitas Math. 103 (2017) 167-173.
17. R. Manaviat, **M. Habibi**, Nil-Armendariz Condition on skew generalized power series rings, Iran J. Sci. Technol. Trans. Sci. 41 (2017) 419-428.
18. A. Karimi Mansoub, A. Moussavi, **M. Habibi**, Strongly clean elements of a skew monoid rings, Int. Electron. J. Algebra 21 (2017) 164-179.
19. **M. Habibi**, A. Moussavi, J. Ster, A note on rings with McCoy-like properties, Comm. Algebra 45(5) (2017) 2276-2279.
20. **M. Habibi**, On inverse skew Laurent series extensions of weakly rigid rings, Comm. Algebra 45(1) (2017) 151-161.
21. A. Mojdeh, **M. Habibi**, On the co-maximal graph of modules, J. Basic Appl. Research International 12(2) (2016) 129-134.
22. **M. Habibi**, On Armendariz rings of inverse skew Laurent series type, Algebra Colloq. 22(spec 1) (2015) 799-816.
23. **M. Habibi**, Central Armendariz condition on monoid rings, Southeast Asian Bull. Math. 39 (2015) 497-510.
24. **M. Habibi**, A. Moussavi, Special properties of a skew triangular matrix ring with constant diagonal, Asian Eur. J. Math. 8(3) (2015).
25. **M. Habibi**, A. Moussavi, A. Alhevaz, On skew triangular matrix rings, Algebra Colloq. 22(2) (2015) 271-280.
26. S. Akbari, **M. Habibi**, A. Majidinya, R. Manaviyat, The inclusion ideal graph of rings, Comm. Algebra 43(6) (2015) 2457-2465.
27. **M. Habibi**, On annihilator properties of inverse skew power series rings, J. Algebraic Systems 2(2) (2014) 109-124.
28. **M.Habibi**, A new class of non-semiprime quasi-Armendariz rings, Studia Sci. Math. Hungar. 51(2) (2014) 165-171.
29. **M. Habibi**, A. Moussavi, Annihilator properties of skew monoid rings, Comm. Algebra 42(2) (2014) 842-852.
30. **M. Habibi**, R. Manaviyat, A generalization of nil-Armendariz rings, J. Algebra Appl. 12(6) (2013).
31. S. Akbari, **M. Habibi**, A. Majidinya, R. Manaviat, On the idempotent graph of a ring, J. Algebra Appl. 12(6) (2013).
32. R. Manaviyat, A. Moussavi, **M. Habibi**, Principally quasi-Baer skew power series modules, Comm. Algebra 41(4) (2013) 1278-1291.
33. **M. Habibi**, A. Moussavi, A. Alhevaz, The McCoy condition on Ore extensions.Comm. Algebra 41(1) (2013) 124-141.
34. S. Akbari, **M. Habibi**, A. Majidinya, R. Manaviat, A note on comaximal graph of non-commutative rings,J. Algebr. Represent. Theor. 16(2) (2013) 303-307.
35. **M. Habibi**, A. Moussavi, Nilpotent elements and nil-Armendariz property of monoid rings, J. Algebra Appl. 11(4) (2012).
36. **M. Habibi**, A. Moussavi, On nil skew Armendariz rings, Asian-Eur. J. Math. 5(2) (2012).
37. **M. Habibi**, A. Moussavi, S. Mokhtari, On skew Armendariz of Laurent series type rings, Comm. Algebra 40(11) (2012) 3999-4018.
38. A. Alhevaz, A. Moussavi, **M. Habibi**, On rings having McCoy-like conditions, Comm. Algebra 40(4) (2012) 1195-1221.
39. R. Manaviyat, A. Moussavi, **M. Habibi**, Pseudo-differential operator rings with Armendariz-like conditions, Comm. Algebra 40(3) (2012) 1103-1115.
40. R. Manaviat, A. Moussavi, **M. Habibi**, On skew inverse Laurent-serieswise Armendariz rings, Comm. Algebra 40(1) (2012) 138-156.
41. **M. Habibi**, A. Moussavi, R. Manaviyat, On skew quasi-Baer rings, Comm. Algebra 38(10) (2010) 3637-3648.
42. R. Manaviyat, A. Moussavi, **M. Habibi**, Principally quasi-Baer skew power series rings, Comm. Algebra 38(6) (2010) 2164-2176.

Conferences

1. M. Farkhondeh, **M.Habibi**, On characteristic and Laplacian characteristic polynomials of caterpillars, The 12th Graph Theory and Algebraic Combinatorics Conference, Tafresh University, Tafresh, Iran, February 7-8 2024.
2. S. Rabizadeh, **M.Habibi**, S. Akbari, Some results on the Sombor index and energy of graphs, The 12th Graph Theory and Algebraic Combinatorics Conference, Tafresh University, Tafresh, Iran, February 7-8 2024.
3. S. Rouhani, **M.Habibi**, S. Akbari, Some bounds for the energy of a graph and Sombor index, The 12th Graph Theory and Algebraic Combinatorics Conference, Tafresh University, Tafresh, Iran, February 7-8 2024.
4. S. Akbari, **M. Habibi**, S. Rouhani, On relation between energy of a graph and its Sombor index, 54th Annual Iranian Mathematics Conference, Zanjan University, Zanjan, Iran, August 23-25, 2023.
5. S. Rouhani, **M.Habibi**, S. Akbari, Bounds for graph energy in terms of domination nember, 4th International Conference on Computational Algebra, Computational Number Theory and Applications, University of Kashan, Kashan, Iran, July 4-6 2023.
6. M. Farkhodneh, **M. Habibi**, D. A. Mojdeh, The multiplicity of Laplacian 2 in bicyclic graphs, 10th Conference on Graph Theory and Algebraic Combinatorics, Yazd University, Yazd, Iran, January 17-18, 2018.
7. **M. Habibi**, On McCoy monoid rings, 48th Annual Iranian Mathematics Conference, Bu-Ali Sina University, Hamedan, Iran, August 22-25, 2017.
8. **M. Habibi**, On monoid rings constructed by reduced rings, 25th Iranian Algebra Seminar, Hakim Sabzevari University, Sabzevar, Iran, July 20-21, 2016.
9. **M. Habibi**, Graphs associated to clean elements of rings, 8th Conference and Workshop on Algebraic Combinatorics and Graph Theory, Imam Khomeini International University, Qazvin, Iran October 7-8, 2015.
10. M. Tarokhi, **M. Habibi**, On locating number of annihilating-ideal graphs, 8th Conference and Workshop on Algebraic Combinatorics and Graph Theory, Imam Khomeini International University, Qazvin, Iran, October, 7-8, 2015.
11. A. Karimi Mansoub, A. Moussavi, M. Habibi, On strongly clean skew triangular matrix rings, 46th Annual Iranian Mathematics Conference, Yazd University, Yazd, Iran, August, 25-28, 2015.
12. S. Akbari, **M. Habibi**, A. Majidinia, R. Manaviat, On the inclusion ideal graph of a ring, 5th Conference and Workshop on Algebraic Combinatorics and Graph Theory, Kashan University, Kashan, Iran, November, 13-14, 2014.

Editorial Activities

Referee of

IEEE Access, Journal of Korean Mathematical Society, Malaysian Journal of Mathematical Sciences, Communications in Algebra, Journal of Algebra and its Applications, Science Tarbiat Moallem University, Journal of Advanced Research in Pure Mathematics, Journal of Korean Mathematical Society, Journal of Algebraic Systems, International Electronic Journal of Algebra, Mathematical Reports, European Journal of Pure and Applied Mathematics, Discrete Mathematics Algorithms and Applications, Journal of Linear and Topological Algebra, Journal of Mahani Mathematical Research Center, Mathematical Analysis and its Contemporary Applications, Malaysian Journal of Mathematical Sciences, Journal of Mathematical Research with Applications, Journal of New Researches in Mathematics.

Reviewer of

MathSciNet

Secretary of the executive committee of

The 12th Graph Theory and Algebraic Combinatorics Conference, Tafresh University, Tafresh, Iran, February 7-8 2024.

Memberships	Granted the membership of National Elite Foundation, (2012-till date)
	Granted the membership of Young Researchers and Elite Club, Tehran Branch, Islamic Azad University (Since 2009)

Honours and awards

1. **Best researcher** faculty member in Markazi **province** for basic science category, 2015 (State Award).
2. **First** Tafresh University researchers, 2015, (University Award, first out of 80 faculty members, Tafresh Head of university's recognition).
3. **Among best** Tafresh University researchers, 2013, 2014, 2015, 2016, 2017, 2018 and 2021 (University Award, Tafresh Head of university's recognition)
4. **Among best Iranian vice chancellors**, 7th Harkat national festival, autoum 2013, Iranian ministry of science research and technology (5th out of 200, **Minister of science research and technology's recognition**)
5. **Awarded** "Dr. Kazemi Ashtiani " **Research Grant** Award for Young Assistant Professor, **Iran's National Elite Foundation**, August 2012.
6. **Distinguished** Graduate Researcher, Tarbiat Modares University, Iran, 2011 (University Award, Vice chancellors of research's recognition)
7. **Outstanding** student of Iran in mathematics, Iranian ministry of science research and technology, 2011, (National Award 5th out of 500, *President* **of the Islamic Republic of Iran recognition**)
8**. First ranked** in the PhD entrance exam, Tarbiat Modares University, Tehran, 2008, (University recognition)
9. **First ranked** student, MSc, Tarbiat Modares University, Tehran, 2008, (University recognition)
10. **First ranked** student, BSc, Razi University, Kermanshah, Iran, 2005, (University recognition)

References

Professor Ahmad Moussavi: Department of Pure Mathematics, Faculty of Mathematical Sciences, Tarbiat Modares University, Tehran, Iran.
E-mail: moussavi.a@modares.ac.ir.

Professor Saieed Akbari: Department of Mathematical Sciences, Sharif University of Technology, Tehran, Iran and Institute for Research in Fundamental Sciences (IPM).
E-mail: s_akbari@sharif.edu

Professor Migul Ferrero: Instituto de Matematica Universidade Federal, do Rio Grande do Sul 91509-900, Porto Alegre, RS, Brazi.
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Dr Morteza Saberi: Senior Lecturer (Associate Professor) at the School of Computer Science, UTS, Sydney, Australia.
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