

Marjan Sheibani Abdolyousefi
m.sheibani@semnan.ac.ir,
m.sheibani1@gmail.com

Address
Associate Professor,
Semnan University
Semnan, Iran

Last modified date
October 01, 2022

Marjan Sheibani Abdolyousefi

Education

Ph. D., Semnan University Pure Mathematics
Dissertation: Diagonal Reduction of Matrices over Refinement Rings
Supervisor: Dr Rahman Bahmani

Master, Tarbiat Moallem Tehran University(Kharzami)
Supervisor: Prof . Hosein Zakeri,

Bachelor, Tabriz University

Research experiences and Interests

- Matrix and Operator Theory
- Generalized Inverses
- Ring and Module
- Commutative Rings

Teaching Experience

Graduate Courses

- Associative Rings with Additional Structure
- Group of Units

Undergraduate Courses

- Linear Algebra
- Calculus (math 1, math 2)
- Differential Equation
- Operation Research
- Engineering Mathematics

Research

Book

- Theory of Clean Rings and Matrices, H. Chen and M. Sheibani,
World Scientific, <https://doi.org/10.1142/12959> | September 2022,

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Articles

2022

- The g-Drazin inverse of the sum in Banach algebras, H. Chen and M. Sheibani*, Linear and Multilinear Algebra, 70(1)(2022), 52-65.
- On the structure of hypergroups with respect to the induced topology, A. Ghaffari, T. Haddadi, S.Javadi and M. Sheibani, Rocky Mountain J. Math., 52(2)(2022), 519-533.
- An extension of Hirano inverses in a Banach Algebra, (2022), A. Ghaffari, T. Haddadi and M. Sheibani, Filomat, Accepted.
- Additive property for generalized Zhou inverse in a Banach algebra, R. Bahmani, A. Abbasi, M. Sheibani* and N. Ashrafi, Filomat, (2022), Accepted.
- Block representations for the g-Drazin inverse in Banach algebras, H. Chen and M. Sheibani, Miskolc Mathematical Notes, (2022), Accepted.
- Generalized Cline's formula and Jacobson's lemma in a ring, H. Chen and M. Sheibani, Algebra Colloquium, (2022), accepted.
- Certain Additive Decompositions in a Noncommutative Ring, H. Chen, M. Sheibani and R. Bahmani, Czechoslov. Math. J., (2022), DOI: 10.21136/CMJ.2022.0039-22.
- Rings generalized by tripotents and nilpotents, H. Chen, M. Sheibani* and N. Ashrafi, Czechoslov. Math. J., (2022), <https://doi.org/10.21136/CMJ.2022.0427-21>.

2021

- The G-Hirano inverse in Banach Algebras, H. Chen and M. Sheibani, Linear and Multilinear Algebra, (2021), 69(7), 1352-1362.
- The G-Drazin inverse of special operator matrices, H. Chen and M. Sheibani, Operators and Matrices, (2021), 15(1), 151-162.
- Generalized Zhou inverses in rings, H. Chen and M. Sheibani, Communications in algebra, 49(10), 4098-4108.
- Generalized Cline's formula for G-Drazin inverse in a ring, H. Chen and M. Sheibani Abdolyousefi, Filomat, (2021)35(8).
- Generalized Jacobson's Lemma for generalized Drazin, H. Chen and M. Sheibani Abdolyousefi, Filomat, (2021)35(7), 2267-2275.
- Generalized Jacobson's Lemma in a Banach algebra, H. Chen and M. Sheibani Abdolyousefi, Communications in Algebra, (2021), 49(8), 3263-3272.
- The representations of the G-Drazin inverse in a Banach algebra, Marjan Sheibani Abdolyousefi, Hacettepe Journal of Mathematics, (2021), 50(3), 659-667.
- Rings additively generated by idempotents and nilpotents, H. Chen and M. Sheibani, Communications in Algebra (2021), 49(4), 1781-1787.
- Generalized Cline's Formula and Common Spectral Property. H. Chen and M. Sheibani Abdolyousefi, Journal of Algebra and its Applications, (2021), 20(6), doi.org/10.1142/S0219498821500948.
- Cline's formula and Jacobson's Lemma for G- Drazin inverse, H. chen and M. sheibani, Filomat, (2021)35(15)5083-5091.

2020

- G- Drazin Inverse for Operator matrices, H. Chen and M. Sheibani Abdolyousefi, Operator and Matrices, (2020)14, 23-31.
- Expression of the G-Drazin Inverse in a Banach Algebra, H. Chen and M. Sheibani Abdolyousefi, Filomat (2020), 34, 3845-3854.
- The G- drazin Inverse Involving Power Commutativity, H. Chen and M. Sheibani Abdolyousefi, Filomat, (2020), 34(9), 2961-2969.
- Nilpotent and Linear Combination of Idempotent Matrices. M. Sheibani Abdolyousefi, International Electronic Journal of Algebra. (2020), 28, 220-228.
- P-Hirano inverses in Rings, Marjan Sheibani Abdolyousefi, Filomat, (2020), 4473-4482.
- On Yaqub nil-clean rings, H. Chen and M. Sheibani Abdolyousefi, Mathematixal Reports Journal,

Address

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Semnan, Iran

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2019

- On Medium \ast -clean Rings H. Chen, M. Shebani Abdoyousefi, and H. Kose, *Mediterr. J. Math.* (2019) 16: 10. <https://doi.org/10.1007/s00009-018-1297-3>.
- Rings Whose Every Subring Is Feebly Clean, H. Chen and M. Sheibani Abdolyousefi, *Bull. Iranian Math. Soc.*, 45, (2019), 257-266.
- On Hirano Inverses in Rings, H. Chen and M. Sheibani Abdolyousefi, *Turk. J. Math.*, 43(2019), 2049-2057.
- On The Matrix Which is the Sum of Tripotent and Quasinilpotent Matrices, H. Chen and M. Sheibani Abdolyousefi, *Operator and Matrices.* 13, (2019), 407-419.
- On Unit Nil-Clean Rings, M. Sheibani Abdolyousefi, N. Ashrafi and H. Chen, *Mediterr. J. Math.*, 16(2019).
- Strongly Drazin Inverses in Rings, H. Chen, S.S. Nabavi and M. Sheibani Abdoyousefi, *Operator and Matrices*, 13(2019) 495-505.
- Clines Formula for a G-Drazin Inverse in a Ring, H. Chen and M. Sheibani Abdolyousefi, *Filomat*, 33(2019), 2249-2255.
- Strongly 2-Nil-clean Rings with Involutions, H. Chen and M. Sheibani Abdoyousefi, *Czechoslovak Mathematical Journal*, 69(2019), 317-330.
- Rings additively generated by tripotents and nilpotents, H. Chen and M. Sheibani, *Journal of Algebra and its Applications*, (2019), 18(3).
- Generalized Hirano Inverses in Banach Algebras, H. Chen and M. Sheibani Abdolyousefi, *Filomat*, 33, (2019), 6239-6249.
- Generalized Hirano Inverses in rings, H. Chen and M. sheibani, *Communications in Algebra*, (2019) 47(7), 2967-2978.
- Elementary Matrix Reduction over Bezout Domains, H. Chen and M. Sheibani Abdolyousefi, *Journal of Algebra and its Applications*, (2019), 18(08). <https://doi.org/10.1142/S021949881950141X>

2018

- Regularity and Related Rings H. Chen, N. Ashrafi and M. Sheibani Abdolyousefi, *Mediterr. J. Math.*, (2018) 15, <https://doi.org/10.1007/s00009-018-1068-1>.
- Rings in Which Elements are Sums of Tripotents and Nilpotents, M. Sheibani Abdolyousefi and H. Chen, *Journal of Algebra and Its Applications*, (2018) 17.
- Matrices Over Zhou Nil-Clean Rings, M. Sheibani Abdolyousefi and H. Chen, *Communications in Algebra*, (2018) 46, 1527-1533.
- Diagonal Matrix Reduction Over Hermite Rings, H. Chen and M. Sheibani Abdolyousefi, *Linear and Multilinear Algebra*, (2018) 66, 681-691.
- On 2-Nil-good Rings, M. Sheibani Abdolyousefi, N. Ashrafi and H. Chen, *Journal of Algebra and Its Applications*, (2018) 17.
- Sums of Tripotent and Nilpotent Matrices, M. Shebani Abdolyousefi and H. Chen, *Bull. Korean Math. Soc.* 55 (2018), 913-920.
- Structure of Zhou Nil-Clean Rings, H. Chen and M. Shebani Abdolyousefi, *Algebra Colloquium* (2018), 25, 361-368.
- Rings Consisting Entirely of Certain Elements, H. Chen, M. Sheibani Abdolyousefi, N. Ashrafi, *Czechoslovak Mathematical Journal*, (2018), 68(2), 553-558. 63, 553-558.
- Generalized Drazin Inverses in a Ring, H. Chen and M. Sheibani Abdolyousefi, *Filomat*, (2018) 32, 5289-5295.

2017

- Elementary Matrix Reduction Over J-Stable Rings, M. Sheibani Abdolyousefi and H. Chen, *Communication in Algebra*, (2017) 45, 1983-1995.
- Elementary Matrix Reduction Over Certain Rings, M. Sheibani Abdolyousefi, R. Bahmani Sangesari and H. Chen, *Communications in Algebra*, (2017) 45, 2613-2618.
- On Strongly Nil Clean Rings, H. Chen and M. Shebani Abdolyousefi, *Communications in Algebra*, (2017) 45, 1719-1726.
- Strongly Unit Nil-clean Rings, H. Chen and M. Shebani Abdolyousefi, *Journal of Algebra and Its Applications*, (2017) 16.
- Certain decompositions of Matrices Over Abelian Rings, N. Ashrafi, M. Shebani Abdolyousefi and H. Chen, *Czechoslovak Mathematical Journal* (2017) 67, 417-425.
- Strongly 2-Nil-Clean Ring, H. Chen and M. Sheibani Abdolyousefi, *Journal of Algebra and Its Applications* (2017) 16.
- Strongly Weakly Nil-Clean Rings, H. Chen and M. Shebani Abdolyousefi, *Journal of Algebra and Its Applications* (2017) 16.
- Rings in Which the Power of Every Element is the Sum of an Idempotent and a Unit, H. Chen and M. Sheibani Abdolyousefi, *Publications de l'institute Mathematique*, 102(2017) 133-148.
- Extension of Square Stable Range Rings, M. Sheibani Abdolyousefi and H. Chen, *Mathematical Reports*, 19(3)(2017), 281-291.

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2016

- Combing Euclidean and Adequate Rings, H. Chen and M. Sheibani Abdolyousefi, Turkish J. Math., (2016) 40, 506-516.
- Elementary Matrix Reduction Over Zabavsky Rings, H. Chen and M. Sheibani Abdolyousefi, Bull. Korean Math. Soc., (2016)53, 195-204.
- Extension of Refinement Rings R. Bahmani, M. Sheibani Abdolyousefi and N. Ashrafi, Turkish J. Math., (2016) 40, 71-79.

2015

- Almost Power Hermitean Rings, N. Ashrafi, M. Sheibani Abdolyousefi and H. Dehghani, Bull. Iranian Math. Soc, (2015) 41, 375-380.

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Participant In International Conferences

- Invited speaker, Some results on generalized inverses of elements in rings and algebras, M. Sheibani, Noncommutative algebra and its applications ' Internatinal Seminar, May 9-13, 2022, Affiliation: Tarbiat Modares University.
- Participant-speaker, Generalized Inverse of Block Operator Matrices, M. Sheibani, 53rd Annual International Conference, University of Science and Technology of Mazandaran, 5-8 Sep 2022.
- Participant-speaker, The Group Inverse of a Block Complex Matrices, M. Sheibani, Studies on Scientific Developments in Geometry, Algebra, and Applied Mathematics Webinar organized by the Turkish Journal of Mathematics, M. Sheibani, 13 February 2022.
- Participant speaker, Generalized Drazin invertibility of anti-triangular block operator matrices, M. Sheibani, IPM, Weekly Seminar, June 2022.
- Participant-speaker, P-Hirano invertible matrices over local rings, Marjan Sheibani Abdolyousefi, 51th Annual Iranian Mathematics Conference, Kashan, 2021.
- Participant-speaker, Feebly Nil-Clean Matrix Rings, Marjan Sheibani Abdolyousefi, The First International Conference on Mathematics and Its Applications, Ahvaz, 2021.
- Participant speaker, Diagonal Matrix Reduction Over Rings, M. Sheibani Abdoyousefi, 26th Iranian Algebra Seminar, Kurdistan University, Kurdistan, Iran, 2019.
- Participant speaker, Elementary Matrix Reduction over Bezout Duo- Domains, M. Sheibani Abdoyousefi, M. Sheibani, 49th Annual Iranian Math Conf., Iran University of Science and Technology, Tehran, Iran, 2018.
- Participant-speaker, Some Results on Refinement rings, M. Sheibani, 45th Annual Iranian Math Conf., Semnan univ., Semnan, 2014.

Workshop

- Participant, A Workshop on Visiual Cryptography, University of Science and Technology of Mazandaran, 5-8 Sep 2022.
- Participant, A Workshop on Leavitt Path Algebras and Graph C^* -Algebras, University of Tehran, 2018.

Honor

- Top Researcher in Semnan University in 2021.
- Top Researcher in Farzanegan University in 2020.
- Top Researcher in Farzanegan University in 2019.
- Top Researcher in Farzanegan University in 2018.

List of Journals Reviewing

- Commiunications in Algebra
- Journal of Algebra and its Applications
- American Mathematical Monthly
- Karajua Journal of Mathematics and Statistics
- Open Math
- Bulletin of the Iranian Mathematics Society
- Mathemathics Extension