



S.A Edalatpanah

Associate Professor

College: Faculty of Engineering / Industry

Education

Degree	Graduated in	Major	University
MSc		Applied Mathematics	IAU-Lahijan
BSc		Applied Mathematics	Khayyam University
Ph.D		Applied Mathematics	Guilan University

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Ayandegan Institute of Higher Education	Vice President Research And development	Certain Contractual	Full Time	7

Journal Membership

[Referee for international journals](#)

- 1-Computer and Mathematics with Applications
- 2-Applied Mathematical Modelling
- 3-Applied Mathematics and Computation
- 4-Applied Soft Computing Journal
- 5-Journal of Intelligent and Fuzzy Systems
- 6-East Asian Journal on Applied Mathematics
- 7-Transactions on Fuzzy Systems
- 8-Journal of Optimization Theory and Applications

- 9-Numerical Algorithms
- 10-Computational and Applied Mathematics
- 11-Annals of Operations Research
- 12-BIT Numerical Mathematics
- 13-Iranian Journal of Fuzzy Systems
- 14-International Journal of Mathematics
- 15-Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering
- 16-Mathematical Problems in Engineering
- 17-Applications and Applied Mathematics
- 18-Scientia Iranica
- 19-Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems
- 20-International Journal of Industrial Mathematics
- 21-IEEE Transactions on Cybernetics
- 22-IEEE Access
- 23-Journal of Global Optimization
- 24-Information Sciences
- 25-Numerical Mathematics: Theory, Methods and Applications
- 26-Soft Computing
- 27-Int. J. of Operational Research

[:Editors-in-Chief](#)

International Journal of Research in Industrial Engineering

[:Editorial Boards](#)

- Journal of Applied Research on Industrial Engineering
- Journal of Decisions and Operations Research
- American Journal of Computation, Communication and Control
- International Journal on Numerical and Analytical Methods in Engineering (IRENA)
- Applied and Computational Mathematics
- American Journal of Numerical Analysis
- International Journal of Applied Mathematics and Statistical Sciences
- International Journal of Mathematical Analysis and Applications
- Universal Journal of Applied Mathematics
- Pure and Applied Mathematics Journal
- American Journal of Applied Mathematics

Journal of Mathematics and Applications

Journal of Physical Science Research

Information Sciences and Computing

Bulletin of Mathematics and Statistics Research

Aloy Journal of Soft Computing and Applications

Frontiers of Mathematics and Its Applications

Recent Publications

Recent Book:

Modern Optimization Algorithms and Applications in Engineering and Economics; Ch.21: Verification of Iterative Methods for the Linear Complementarity Problem. IGI Global, 2016. 1-684.

doi:10.4018/978-1-4666-9644-0. ISBN13: 9781466696440.

Recent Papers:

[2020]

[1] Edalatpanah, S. A.. On the preconditioned projective iterative methods for the linear complementarity problem. *RAIRO-Operations Research*. DOI: <https://doi.org/10.1051/ro/2019002>. (ISI-WOS)

[2] Azarboni, H. R., Rahimzadeh, M., Heidari, H., Keshavarzpour, H., & Edalatpanah, S. A.. Chaotic dynamics and primary resonance analysis of a curved carbon nanotube considering influence of thermal and magnetic fields. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, doi.org/10.1007/sf0430-019-1795-7. (ISI-WOS)

[3] Nejati, F., & Edalatpanah, S. A. Experimental investigation for the effect of fiber on the mechanical properties of light-weight concrete under dry and wet conditions. *International Journal of Structural Integrity*. Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJSI-04-2019-0036>. (ISI-WOS)

[2019]

[1] Edalatpanah, S. A., and F. Smarandache. Data Envelopment Analysis for Simplified Neutrosophic Sets, *Neutrosophic Sets & Systems* 29 (2019), 215-226. (ISI-WOS)

[2] Xinna Mao, Xiuwang Wang, S. A. Edalatpanah, M. Fallah. (2019), The Monomial Preconditioned SSOR Method for Linear Complementarity Problem. *IEEE Access*, Vol. 7 Issue 1. 73649-73655. (ISI-WOS)

[3] Wang, W., Zhou, Z., Edalatpanah, S. A., & Najafi, S. E. (2019). A new Approach for the Modulus-Based Matrix Splitting Algorithms. *IEEE Access*, 7, 1001433-1001446. (ISI-WOS)

[4] R. Kumar, S. A. Edalatpanah, S. Jha, R. Singh. (2019), A Pythagorean fuzzy approach to the transportation problem. *Complex & Intelligent Systems*, Vol. 5 Issue 2. 255-263. (ISI-WOS)

[5] R. Kumar, S. A. Edalatpanah, S. Jha, S., Broumi, A. Dey. A Multi-Objective Programming Approach to Solve Integer-Valued Neutrosophic Shortest Path Problems. *Neutrosophic Sets & Systems*, 24(2019) 134-149. (ISI-WOS)

[6] Ramezannejad Azarboni, H., Edalatpanah, S. A. (2019). Chaotic vibrations of a harmonically excited carbon nanotube with consideration of thermomagnetic field and surface effects. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,

[7] Hassanzadeh-Aghdam, M. K., Edalatpanah, S. A., & Azaripour, S. (2019). Interphase region effect on the biaxial yielding envelope of SiC fiber-reinforced Ti matrix composites. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 222(6), 2044–2055. (ISI- WOS)

[8] Nejati, F., Ahmadi, S., & Edalatpanah, S. A. (2019). Experimental investigation of zeolite and limestone powder on self-compacting concrete strength after early loading. *International Journal of Structural Integrity*, Vol. 10 No. 4, pp. 515-533. (ISI- WOS)

[9] Sapan Kumar Das, S. A. Edalatpanah, T. Mandal, A new method for solving linear fractional programming problem with absolute value functions. *International Journal of Operational Research*. 36(2019), 455-466. (Scopus)

[10] R. Kumar, S. A. Edalatpanah, S. Jha, S., Gayen, R. Singh. A novel approach to solve Gaussian Valued Neutrosophic Shortest Path Problems . *International Journal of Engineering and Advanced Technology*, 8(2019) 347-353. (Scopus)

[11] R. Kumar, S. A. Edalatpanah, S. Jha, S., Gayen, R. Singh. (2019) , Solving shortest path problems using fuzzy weighted arc length. *International Journal of Innovative Technology and Exploring Engineering*, Vol. 8 Issue 6. Article in Press (Scopus).

[2018]

[1] Edalatpanah, S. A. (2018). On the Modified Methods for Irreducible Linear Systems with L-Matrices. *Bulletin of computational applied mathematics*, 6(1), 119-128. (ISI- WOS)

[2] R. Kumar, S. A. Edalatpanah, S. Jha, S., Broumi, A. Dey. Neutrosophic Shortest Path Problem. *Neutrosophic Sets & Systems*, 23(2018) 5-15 . (ISI-WOS)

[3] Sapan Kumar Das, S. A. Edalatpanah, T. Mandal, A proposed model for solving fuzzy linear fractional programming problem: Numerical Point of View. *Journal of Computational Science*. 25(2018), 367-375. (ISI-WOS)

[4] M. K. Hassanzadeh, S. A. Edalatpanah, Viscoelastic behavior of Silica nanoparticle/polyimide nanocomposites using finite element approach. *International Journal of Nano Dimension*, 9(2018), 112-122. (ISI-WOS)

[1] Sapan Kumar Das, S. A. Edalatpanah, T. Mandal, A proposed model for solving fuzzy linear fractional programming problem: Numerical Point of View. *Journal of Computational Science*. 25(2018), 367-375, (ISI-WOS)

[2] M. K. Hassanzadeh, S. A. Edalatpanah, Viscoelastic behavior of Silica nanoparticle/polyimide nanocomposites using finite element approach. *International Journal of Nano Dimension*, 9(2018), 112-122. (ISI-WOS)

[3] S.A. Edalatpanah, S. A. (2017). Modified Iterative Methods for Solving Fully Fuzzy Linear Systems. *Fuzzy Systems: Concepts, Methodologies, Tools, and Applications: Concepts, Methodologies, Tools, and Applications*, (2017). (ISI-WOS)

[4] Sapan Kumar Das, T. Mandal, S. A. Edalatpanah.(2017) Erratum to: A mathematical model for solving fully fuzzy linear programming problem with trapezoidal fuzzy numbers. *Applied Intelligence*, 46(3), 520-520. (ISI-WOS)

- [5] Sapan Kumar Das, T. Mandal, S. A. Edalatpanah, A new approach for solving fully fuzzy linear fractional programming problems using the multi-objective linear programming. *RAIRO-Operations Research* 51 (1), 285-297. (ISI-WOS)
- [6] A. G. Talouki, M. Majdi, S. A. Edalatpanah, An Introduction to Various Algorithms for Video Completion and Their Features: A Survey. *Journal of Computer Sciences and Applications*, 5(2017), 1-10.
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- [8] H. Beheshti, F. Poorahangaryan, S. A. Edalatpanah, NewsSE: An Ontology-based Search Engine for News, *Computer Science and Information Technology*, 5, no. 2 (2017): 37-49.
- [9] H. Saberi Najafi, S. A. Edalatpanah, On The Preconditioned GAOR methods for weighted linear least squares problems, *Engineering computations*, (Emerald), 33(2016) 622 - 639. (ISI-WOS)
- [10] H. Saberi Najafi, S. A. Edalatpanah, A. H. Refahi Sheikhan, An analytical method as a preconditioning modeling for systems of linear equations, *Computational and Applied Mathematics (springer)*, (2016) . doi:10.1007/s40314-016-0376-y. (ISI-WOS)
- [11] Sapan Kumar Das, T. Mandal, S. A. Edalatpanah , A mathematical model for solving fully fuzzy linear programming problem with trapezoidal fuzzy numbers, *Applied Intelligence*, (2016), DOI 10.1007/s10489-016-0779-x. (ISI-WOS)
- [12] H. Saberi Najafi, S. A. Edalatpanah, H. Aminikhah, Linear Legendre Multi-wavelets Method for Solving Systems of Fredholm integral equations, *Mathematical Reports* ,18 (2016). (ISI-WOS).
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- [17] H. Saberi Najafi, S. A. Edalatpanah, A New Family of (I+S)-type Preconditioner with Some Applications, *Computational and Applied Mathematics*, 34(2015), 917-931, (ISI-WOS)
- [18] H. Saberi Najafi, S. A. Edalatpanah, H. Aminikhah, An Algorithmic Approach for Solution of Nonlinear Fredholm- Hammerstein Integral Equations,. *Iranian Journal of Science and Technology (Sciences)*, 39 (2015), 399-406 (ISI-WOS)
- [19] H. Saberi Najafi, J. Pourqasem, S. A. Edalatpanah, The use of super node to process query in peer-to-peer networks , *Digital Technologies*, 3 (2015), 28-32
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- [25] H. Saberi Najafi, S. A. Edalatpanah , A new modified SSOR iteration method for solving augmented linear systems, *International Journal of Computer Mathematics*,(Taylor & Francis) 91(2014): 539–552 (ISI-WOS)
- [26] H. Saberi Najafi, S. A. Edalatpanah, on the modified symmetric successive overrelaxation method for augmented systems. *Computational and Applied Mathematics (Springer)*,(2014) doi:10.1007/s40314-014-0127-x (ISI-WOS)
- [27] H. Saberi Najafi, S. A. Edalatpanah, S. Shahabi, The Mixed Type Splitting Methods for Solving Fuzzy Linear Systems, *Applied Computational Intelligence and Soft Computing*, vol. 2014, Article ID 960795, 7 pages, 2014. doi:10.1155/2014/960795 (ISI-WOS)
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- [45] H. Saberi Najafi, S. A. Edalatpanad, An Improved Model for Iterative Algorithms in Fuzzy Linear Systems, *Computational Mathematics and Modeling*, (Springer) . 24(2013)443-451. (ISI-WOS)
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- [56] S. A. Edalatpanah , S. Shahabi, A new two-phase method for the fuzzy primal simplex algorithm, *International Review of Pure and Applied Mathematics*, 8(2) (2012) 157-164.
- [57] J. Pourghasem, S. Karimi , S. A. Edalatpanah , A survey of voice over internet protocol (VOIP) technology, *International Computer Mathematical Science and Applications*, 6 (3-4)(2012) 53-62.
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Recent Conference Papers:

رویکرد جدیدی برای حل مساله برنامه ریزی خطی کاملاً فازی با استفاده از اعداد فازی L-R ، همایش یافته های نوین در هوافضا و علوم وابسته؛ دانشکده علوم و فنون نوین دانشگاه تهران 1394

Research Projects:

- 1- Modified iterative methods to solve linear systems , Islamic Azad University of Lahijan.
- 2- Numerical methods for systems of integral equations , Sama University of Tonekabon.
- 3- Iterative methods for solving of linear complementarity problems, Islamic Azad University of Ramsar.
- 4- Numerical modeling for fuzzy linear equations, Islamic Azad University of Tonekabon University.

Membership in Scientific Societies

American Math. Soc. (Since 2014)

Papers in Journals

1. Edalatpanah, S. A., On the preconditioned projective iterative methods for the linear complementarity problem, RAIRO-Operations Research, 2020.

Books

1. (تحليل پوششی داده های شبکه ای (مفاهیم و توسعه