ARTICOLE PUBLICATE IN REVISTE RECUNOSCUTE LA NIVEL INTERNATIONAL, COTATE CLARIVATE ANALYTICS (ISI WEB OF SCIENCE) SAU ARTS & HUMANITIES ÎN ANUL 2024

Izabella Abraham

1. I. Abraham, R. Miculescu, A. Mihail, *Relational generalized iterated function systems*, Chaos, Solitons & Fractals, Vol. 182, **2024**,114823, ISSN 0960-0779, https://doi.org/10.1016/j.chaos.2024.114823. .
2.I. Abraham, *The Invariant Measure for a Countable Generalized Iterated Function System*. Mediterr. J. Math. 21, 209 (**2024**). https://doi.org/10.1007/s00009-024-02751-9.

Nicoleta Aldea

1.N. Aldea, P. Kopacz, *Time geodesics on a slippery cross slope under gravitational wind*, Nonlinear Analysis: Real World Applications, published online July **2024**, https://doi.org/10.1016/j.nonrwa.2024.104177.
2. N. Aldea, P. Kopacz, *A Note on Model-as-Usual for Leeway and Drift Track in Marine Navigation*, TransNav the International Journal on Marine Navigation and Safety of Sea Transportation, vol. 18, no. 4, December **2024**, pp. 943-948.

Constantin Lucian Aldea

1.C.L. Aldea, R. Bocu, D.M. Duca Iliescu, *Health Parameters Monitoring Through an Integrated Multilayer Digital Twin Architecture*, Advanced information networking and applications, vol. 1, AINA, vol. 199, p. 298-309, **2024**.

Alexandra Băicoianu

1.A. Băicoianu, C. G. Gavrilă, C. M. Păcurar, V. D. Păcurar, *Fractal interpolation in the context of prediction accuracy optimization*, Engineering Applications of Artificial Intelligence, Vol. 133, Part D, **2024**, 108380, ISSN 0952-1976, https://www.sciencedirect.com/science/article/pii/S0952197624005384?dgcid=rss_sd_all
2. I. C. Plajer, A. Băicoianu, L. Majercsik and M. Ivanovici, *Multisource Remote Sensing Data Visualization Using Machine Learning*, in IEEE Transactions on Geoscience and Remote Sensing, vol. 62, pp. 1-12, **2024**, Art no. 5510912,doi:10.1109/TGRS.2024.337.
3. S. Catrina, M. Catrina, A. Băicoianu and I. C. Plajer, *Learning About Growing Neural Cellular Automata*, in IEEE Access, vol. 12, pp. 45740-45751, **2024**, doi: 10.1109/ACCESS.2024.3382541.
4. S. Catrina, A. Baicoianu, *Quantum Tunneling: From Theory to Error-Mitigated Quantum Simulation*, **2024**, Advanced Quantum Techologies Journal, https://onlinelibrary.wiley.com/doi/10.1002/qute.202400163.

Răzvan Bocu

1.C.L. Aldea, R. Bocu, D.M. Duca Iliescu, *Health Parameters Monitoring Through an Integrated Multilayer Digital Twin Architecture*, Advanced information networking and applications, vol. 1, AINA, vol. 199, p. 298-309, **2024**.
2. R. Bocu, M. Iavich, *Enhanced detection of low-rate DDoS attack patterns using machine learning models*, Journal of Network and Computer Applications, Vol. 227, **2024**, https://www.sciencedirect.com/science/article/abs/pii/S1084804524000808.
3. R. Bocu, *Dynamic Monitoring of Time-Dependent Evolution of Biomolecules Using Quantum Dots-Based Biosensors Assemblies*, Biosensors-Basel, **2024**, 14, 380. https://doi.org/10.3390/ bios14080380.

4. R. Bocu, *Extended Review Concerning the Integration of Electrochemical Biosensors into Modern IoT and Wearable Devices,* Biosensors-Basel, **2024**, 14, 214. https:// doi.org/10.3390/bios14050214.

Adrian Deaconu

1. M. Niksirat , M. Saffarian, J. Tayyebi, A. M. Deaconu and D. E. Spridon, *Fuzzy Multi-Objective, Multi-Period Integrated Routing–Scheduling Problem to Distribute Relief to Disaster Areas: A Hybrid Ant Colony Optimization Approach*, Mathematics **2024**, 12, 2844. https:// doi.org/10.3390/math12182844.
2. A. M. Deaconu and J. Tayyebi, *Increasing the Maximum Capacity Path in a Network and Its Application for Improving the Connection Between Two Routers*, Tsinghua Science and Technology, vol. 29, no. 3, pp. 753-765, June **2024**, doi: 10.26599/TST.2023.9010055.
3. J. Tayyebi, A. Deaconu, E. Hosseinzadeh and A. M. Golmohammadi, *Fuzzy maximum capacity path problem and its application to optimal routing control*, Iranian Journal of Fuzzy Systems, Vol. 21, No. 4 (**2024**), pp. 123-139.
4. J. Tayyebi, M.L. Rîtan, A.M. Deaconu, *Widest Path in Networks with Gains/Losses*, Axioms **2024**, 13, 127. https://doi.org/ 10.3390/axioms13020127.
5.A.M. Deaconu, D.T. Cotfas, P.A. Cotfas, *Extracting Photovoltaic Cells Parameters for Three Diode Model Using HSDA Algorithm*, Energy Reports, Vol. 12, December **2024**, pp. 5096-5109.
6. M.B. Khan, A.M. Deaconu, D. E. Spridon, *Diamond intuitionistic fuzzy sets and their applications*, IEEE Access, vol.12, **2024**, pp.1-13.

Maria Dimitriu

1. A.D. Meleșteu, M. Dimitriu (**2024**), *A Stancu type generalization of the Balázs operator*, Dolomites Research Notes on Approximation, 17(2), pp. 44-51. DOI: 10.14658/PUPJ-DRNA-2024-2-6.

Delia Monica Duca-Iliescu

1.C.L. Aldea, R. Bocu, D.M. Duca Iliescu, *Health Parameters Monitoring Through an Integrated Multilayer Digital Twin Architecture*, Advanced information networking and applications, vol. 1, AINA, vol. 199, p. 298-309, **2024**.

Olivia Florea

1. O. A. Florea, E. M. Craciun, A. Öchsner, A. N. Emin, *A qualitative analysis on the double porous thermoelastic bodies with microtemperature*, Continuum Mech. Thermodyn. (**2024**) 36:1801–1813, https://doi.org/10.1007/s00161-024-01330-3.
2. O. A. Florea, D. Shahroor, R. Wannan and J. H Asad, *Pendulum between Two springs using Ms-DTM*, Physica Scripta, published online December **2024** (https://iopscience.iop.org/article/10.1088/1402-4896/ada46b/pdf).

Iana Mihaela Fudulu

1.D. M. Neagu, I. M. Fudulu, M. Marin, *Wave propagation with two delay times in an isotropic prorous micropolar thermoelastic material*, Continuum Mechanics and Thermodynamics, Volume 36, Pages 639-655, **2024**.
2.D. M. Neagu, I. M. Fudulu, M. Marin, *Complex potentials solutions for isotropic Cosserat bodies with voids*, Boundary Value Problems, Volume 2024, Article number 129, **2024**.

Andreea Fulga

1.A. Petrușel A.Fulga, E. Karapinar, *Editorial letter for the special issue of the Journal of nonlinear and convex analysis related the 14th International Conference on Fixed point theory and its applications*, Journal of nonlinear and convex analysis, vol. 25, Issue 7, **2024.**

Honorius Galmeanu

1.H. Galmeanu, R. Andonie, *Concept Drift Visualization of SVM with Shifting Window*, EEE International Conference on Information Visualization, 28th International Conference on Information Visualisation, **2024**, pp. 214-220, DOI:10.1109/IV64223.2024.00046

Ştefan Garoiu

1. Ş. Garoiu, R, Păltănea, *Generalized Voronovskaya theorem and the convergence of power series of positive linear operators*, Journal of Mathematical Analysis and Applications, vol. 531, Issue 2, Part 2, **2024**, 127868, DOI: 10.1016/j.jmaa.2023.127868.

Luciana Majercsik

1. I. C. Plajer, A. Băicoianu, L. Majercsik and M. Ivanovici, *Multisource Remote Sensing Data Visualization Using Machine Learning*, in IEEE Transactions on Geoscience and Remote Sensing, vol. 62, pp. 1-12, **2024**, Art no. 5510912,doi:10.1109/TGRS.2024.337.

Marin Marin

1.S. Vlase, C. Itu, M. Marin, M.L. Scutaru, F. Sabou, R. Necula, *Vibration analysis of the Gamma-Ray element in the ELI-NP interaction chamber (IC)*, Journal of Computational Applied Mechanics, Volume 55, Pages 275-288, April **2024**.
2,S. Vlase, M. Marin, *Standard Deformations of Nonlinear Elastic Structural Elements with Power-Law Constitutive Model*, Mathematics, **2024**, 12(24), 3992.
3.A.E. Abouelregal, M. Marin, A. Foul, S.S. Askar, *Thermoviscoelastic Responses in Kirchhoff Circular Micro-Plate via MGT Thermoelastic Model and Modified Couple Stress Theory*, Mechanics of Solids, Volume 59, pages 2269-2291, **2024**.
4.S. Vlase, C. Itu, M. Marin, A. Oechsner, A.Toderita-Santean,*Response of safety belt webbing used for formula student race car in a frontal collision*, Proceedings of the Instituion of Mechanical Engineers, Part L, **2024**.
5.A. E. Abouelregal, M. Marin, A. Foul, S. Saskar, *A generalized refined Moore-Gibson-Thompson thermoelastic model based on the concept of memory-dependent higher-order derivatives*, Case Studies in Thermal Engineering, Volume 63, November **2024**, 105291.
6.A. E. Abouelregal, M. Marin, S.S. Askar, A. Foul, *A new thermo-optical system with a fractional Caputo operator for a rotating spherical seminconductor medium immersed in a magnetic field*, Engineering Computations, **2024**.
7.M.L. Scutaru, S. Vlase, M. Marin, *Flap and Wing Dynamics for a Light Sport Aircraft Analysis Using a Topological Model*, Applied Sciences-Basel, **2024**, 14(18), 8531.
8.A. Rehman, Z. Asghar, A. Zeeshan, M. Marin, *Empirical modeling and sensitivity analysis of pressure rise per wavelength flow of Bingham plastic fluids: application of response surface methodology*, Journal of Thermal Analysis and Calorimetry, Volume 149, pages 9619-9637, **2024**.
9.S. El Fakkousi, O. Koubaiti, A. Elkhalfi, S. Vlase, M. Marin, *Numerical Analysis of the Cylindrical Shell Pipe with Preformed Holes Subjected to a Compressive Load Using Non-Uniform , Rational B-Splines and T-Splines for an Isogeometric Analysis Aproach*, Axioms, **2024**, 13(8), 529.

10.P. Ailawalia, A. Sharma, M. Marin, *Analysis of an initially stressed functionally graded thermoelastic medium (type III) without energy dissipation,* Continuum Mechanics and Thermodynamics, Volume 36, pages 1553-1564, **2024**.
11.A. E. Abouelregal, M. Marin, S.S. Askar, A. Foul, *A non-local fractional two-phase delay thermoelastic model for a solid half-space whose properties change with temperature and affected by hydrostatic pressure,* Zeitschrift Fur Angewandte Mathematik und Mechanik, **2024**.
12.O. Koubaiti, L. El Ouadefli, A. Elkhalfi, A. El Akkad, S. Vlase, M. Marin, *Isogeometric Resolution of the Brinkman-Forchheimer-Darcy,* Journal of Applied and Computational Mechanics, Volume 10, Pages 629-642, **2024**.
13.S. Sharma, S. Devi, R. Kumar, M. Marin, *Examining basic theorems and plane waves in the context of thermoelastic diffusion using a multi-phase-lag model with temperature dependence,* Mechanics of Advanced Materials and Structures, **2024**.
14.M. Marin, A. Oechsner, S. Vlase, *On the initial boundary values problem for a mixture of two Cosserat bodies with voids,* Continum Mechanics and Thermodynamics, Volume 36, pages 1481-1491, **2024**.
15.M. Katouzian, S. Vlase, M. Marin, *Elastic moduli for a rectangular fibers array arrangement in a two phases composite,* Journal of Computational Applied Mechanics, Volume 55, pages 538-551, **2024**.
16.A. E. Abouelregal, M. Marin, S.S. Askar, A. Foul, *Thermomagnetic Transient Analysis of an Infinitely Long Transverse Isotropic Annular Cylinder Using the MGT Fractional Heat Conduction Model with a Non-Singular Kernel,* Journal of Vibration Engineering & Technologies, Volume 12, pages 557-572, **2024**.
17.A. E. Abouelregal, M. Marin, A. Foul, S.S. Askar, *Coupled responses of thermomechanical waves in functionally graded viscoelastic nanobeams via thermoelastic heat conduction model including Atangana-Baleanu fractional derivative,*Scientific Reports, **2024**.
18.A. E. Abouelregal, M. Marin, H. A. Alharbi, K. J. A. Alrouili, *Modeling the thermal behaviour of functionally graded media with a spherical gap: rectified sine wave heating via fourth-order Moore-Gibson-Thompson model*, Volume 28, Pages 681-707, **2024**.
19.A.E. Abouelregal, M. Marin, A. Foul, S. S. Askar, *Thermomagnetic responses of a thermoelastic medium containing a spherical hole exposed to a timed laser pulse heat source*, Case Studies in Thermal Engineering, Volume 56, **2024**.
20.P. Ailawalia, Priyanka, M. Marin, *Variable thermal conductivity in context of Green-Naghdi theory of thermo-microstretch solids,* Zeitschrift Fur Angewandte Mathematik und Mechanik, Volume 104, **2024**.
21.A. E. Abouelregal, M. Marin, S. S. Askar, A. Foul, *A modified mathematical model for a thermo-viscous thermal conduction incorporating memory-based derivatives and the Moore-Gibson-Thompson equation*, Continuum Mechanics and Thermodynamics, Volume 36, Pages 585-606, **2024**.
22.A. E. Abouelregal, M. Marin, S. S. Askar, A. Foul, *Transient thermoelastic response in a semi-infinite medium subjected to a moving heat source: an implementation of the Moore-Gibson-Thompson model with higher-oder memory-dependent derivatives,* Mechanics of Time-Dependent Materials, Volume 28, Pages 1555-1581, **2024**.
23.C. Itu, S. Vlase, M. Marin, A. Oeschner, *Vibration analysis of metallic structure of an innovative dam gate*, Proceedings of the Institution of Mechanical Engineers,Volume 238, **2024**.
24.M. Marin, S. Vlase, D. Neagu, *On a composite obtained by a mixture of a dipolar solid with a Moore-Gibson-Thompson media,* Boundary Value Problems, Volume 2024, Article Number 16, **2024**.
25.P. Ailawalia, M. Marin, H. Nagar, *Behaviour of functionally graded semiconducting rod with internal heat source under a thermal shock,* Journal of Computational Applied Mechanics, Volume 55, Pages 51-61, **2024**.
26.S. Vlase, M. Marin, C. Itu, *Gibbs-Appell Equations in Finite Element Analysis of Mechanical Systems with Elements Having Micro-Structure and Voids,* Mathematics, 12(2), **2024**.
27.S. El Fakkoussi, S. Vlase, M. Marin, O. Koubaiti, A. Elkhalfi, H. Moustanchir, *Predicting Stress Intensity Factor for Aluminium 6062 T6 Material in L-Shaped Lower Control Arm (LCA) Design Using Extended Finite Elemen Analysis,* Materials, 17(1), 206, **2024**.
28.D. M. Neagu, I. M. Fudulu, M. Marin, *Complex potentials solutions for isotropic Cosserat bodies with voids,* Boundary Value Problems, Volume 2024, Article number 129, **2024**.
29.D. M. Neagu, I. M. Fudulu, M. Marin, *Wave propagation with two delay times in an isotropic prorous micropolar thermoelastic material,* Continuum Mechanics and Thermodynamics, Volume 36, Pages 639-655, **2024**.
30.S. Abdel-Khalek, M. Algarni, M. Marin, K. Berrada, *Entanglement, quantum coherence and quantum Fisher information of two qubit-field systems in the framework of photon-excited coherent states*, Volume 55, Article number 1288, **2024**.
31.M. L. Scutaru, S. Vlase, M. Marin, *Symmetrical Mechanical System Properties-Based Forced Vibration Analysis,* Journal of Computational Applied Mechanics, Volume 54, Pages 501-514, 2024.

32.S. Vlase, M. Marin, A. Elkhalfi, P. Ailawalia, *Mathematical model of dynamic analysis of internal combustion engines*, Journal of Computational Applied Mechanics, Volume 54, Pages 607-622, 2024.
33.H. Alfadil, A. E. Abouelregal, M. Marin, E. Carrera, *Goufo-Caputo fractional viscoelastic photothermal model of an unbounded semiconductor material with a cylindrical cavity*, Mechanics of Advanced Materials and Structures, Volume 31, **2024**.
34.S. Vlase, M. Marin, A. Oeschner, O. El Moutea, *Equivalent analytical formulation-based multibody elastic system analysis using one-dimensional finite elements*, Continuum Mechanics and Thermodynamics, Volume 36, Pages 197-215, **2024**.

Alexandra Meleşteu

1. A.D. Meleșteu, M. Dimitriu (**2024**), *A Stancu type generalization of the Balázs operator*, Dolomites Research Notes on Approximation, 17(2), pp. 44-51. DOI: 10.14658/PUPJ-DRNA-2024-2-6.

Radu Miculescu

1. R.,Miculescu, R. Pasupathi, *Contractive Multivariate Zipper Fractal Interpolation Functions.* Results Math 79, 151 (**2024**). https://doi.org/10.1007/s00025-024-02177-5.
2. R. Pasupathi, Radu Miculescu, *A very general framework for fractal interpolation functions*, J. of Mathematical Analysis and Applications,vol. 534, Issue 2, **2024**,128093, ISSN 0022-247X, https://doi.org/10.1016/j.jmaa.2024.128093.
3. I. Abraham, R. Miculescu, A. Mihail, *Relational generalized iterated function systems*, Chaos, Solitons & Fractals, Vol. 182, **2024**,114823, ISSN 0960-0779, https://doi.org/10.1016/j.chaos.2024.114823.

Nicuşor Minculete

1.C. Conde, N. Minculete, *On several new results related to Richard's inequality*, J. of Mathematical Inequalities, vol. 18, no. 3 (2024), pp. 921–935, https://jmi.ele-math.com/18-50/On-several-new-results-related-to-Richard-s-inequality.
2. N. Altwaijry, K. Feki and N. Minculete, *On Berezin norm and Berezin number inequalities for sum of operators*, Demonstratio Mathematica, vol. 57, no. 1, **2024**, pp. 20230159**,** https://doi.org/10.1515/dema-2023-0159.
3. M. Krnić, N. Minculete, F.C. Mitroi-Symeonidis, *On further refinements of the Jensen inequality and applications*, Math. Meth. Appl. Sci. **2024**, pp. 1–14.
4. H.R. Moradi, N. Minculete, S. Furuichi and M. Sababheh, *Subadditive and Superadditive Inequalities for Convex and Superquadratic Functions*, Carpathian J. Math, vol 40 (**2024**), no. 1, pp. 121 – 137.
5. N. Altwaijry, S.S. Dragomir, K. Feki, N. Minculete, **I***nequalities for operators and operator pairs in Hilbert spaces*, Indian J Pure Appl Math (**2024**), https://doi.org/10.1007/s13226-024-00689-y.
6. M.Sababheh, S. Furuichi**,** N. Minculete, H.R. Moradi, *Bounds in Normed Spaces Using Convex Functions.* Iran J. Science (**2024**), https://doi.org/10.1007/s40995-024-01730-9.
7. D. Savin, N. Minculete, V. Acciaro, *Algebraic, Analytic, and Computational Number Theory and Its Applications*, Mathematics 2024, 12, 10, https://doi.org/10.3390/ math12010010.
8. S. Furuichi**,** N. Minculete, H.R. Moradi, M.Sababheh, (2023), *Some new properties of geometrically-convex functions*, *Quaestiones Mathematicae*, vol. *47*, (**2024**), Issue 4, pp. 831–849, https://doi.org/10.2989/16073606.2023.2256476

Vlad Monescu

1. D.A. Constantin, V. Monescu, I,H. Ciociceanu, F.G. Leasu, L.M. Rogozea, *Can Medication be a Factor that Can Negatively Affect the Effect of Transcranial Magnetic Stimulation in Depression?*, American J. of Therapeutics, **2024**, vol. 31, Issue 1, pp. e30-e38, DOI:10.1097/MJT.0000000000001700.
2. S. Diaconu, V. Monescu**,** R. Filip, L. Marian, C. Kakucs, I, Murasan et all, *The Impact of Fatigue on Sleep and Other Non-Motor Symptoms in Parkinson's Disease*, Brain Sci. **2024** Apr 19;14(4):397, doi: 10.3390/brainsci14040397. PMID: 38672046; PMCID: PMC11048391.

Denisa Maria Neagu

1.D. M. Neagu, I. M. Fudulu, M. Marin, *Complex potentials solutions for isotropic Cosserat bodies with voids*, Boundary Value Problems, Volume 2024, Article number 129, **2024**.
2.D. M. Neagu, I. M. Fudulu, M. Marin, *Wave propagation with two delay times in an isotropic prorous micropolar thermoelastic material*, Continuum Mechanics and Thermodynamics, Volume 36, Pages 639-655, **2024**.

Mircea Neagu

1.F. Avram, R. Adenane, M. Neagu, *Advancing Mathematical Epidemiology and Chemical Reaction Network Theory via Synergies Between Them*, Entropy **2024**, 26, 936. https://doi.org/10.3390/e26110936.

Cristina Păcurar

1.A. Băicoianu, C. G. Gavrilă, C. M. Păcurar, V. D. Păcurar, *Fractal interpolation in the context of prediction accuracy optimization*, Engineering Applications of Artificial Intelligence, Vol. 133, Part D, **2024**, 108380, ISSN 0952-1976, https://www.sciencedirect.com/science/article/pii/S0952197624005384?dgcid=rss_sd_all
2.O. Popescu, C. M. Păcurar, *Some remarks on expansive mappings in metric spaces*, Carpathian J. Math, vol. 40 (**2024**), no. 3, pp. 717 – 725.
3. C. M. Păcurar, O. Popescu, *Fixed point theorem for generalized Chatterjea type mappings*, Acta Mathematica Hungar. 173, pp. 500–509 (**2024**). https://doi.org/10.1007/s10474-024-01455-6.

Radu Păltănea

1. Ş. Garoiu, R, Păltănea, *Generalized Voronovskaya theorem and the convergence of power series of positive linear operators*, Journal of Mathematical Analysis and Applications, vol. 531, Issue 2, Part 2, **2024**, 127868, DOI: 10.1016/j.jmaa.2023.127868.

Ioana Plajer

1. I. C. Plajer, A. Băicoianu, L. Majercsik and M. Ivanovici, *Multisource Remote Sensing Data Visualization Using Machine Learning*, in IEEE Transactions on Geoscience and Remote Sensing, vol. 62, pp. 1-12, **2024**, Art no. 5510912,doi:10.1109/TGRS.2024.337.
2. S. Catrina, M. Catrina, A. Băicoianu and I. C. Plajer, *Learning About Growing Neural Cellular Automata*, in IEEE Access, vol. 12, pp. 45740-45751, **2024**, doi: 10.1109/ACCESS.2024.3382541.

Ovidiu Popescu

1.O. Popescu, C. M. Păcurar, *Some remarks on expansive mappings in metric spaces*, Carpathian J. Math, vol. 40 (**2024**), no. 3, pp. 717 – 725.
2. C. M. Păcurar, O. Popescu, *Fixed point theorem for generalized Chatterjea type mappings*, Acta Mathematica Hungar. 173, pp. 500–509 (**2024**). https://doi.org/10.1007/s10474-024-01455-6.
3.O. Popescu, *A new generalization of Ćirić's multi-valued operators*, Fixed Point Theory, vol. 25, no. 2, **2024**, pp. 705-722, DOI: 10.24193/fpt-ro.2024.2.18.

Diana Savin

1. D. Savin, *The lattice of ideals of certain rings*, Boletín de la Sociedad Matemática Mexicana, published online October **2024**, https://link.springer.com/article/10.1007/s40590-024-00680-x.
2. D. Savin, N. Minculete, V. Acciaro, *Algebraic, Analytic, and Computational Number Theory and Its Applications*, Mathematics **2024**, 12, 10, https://doi.org/10.3390/ math12010010.

Delia Elena Spridon

1. M. Niksirat , M. Saffarian, J. Tayyebi, A. M. Deaconu and D. E. Spridon, *Fuzzy Multi-Objective, Multi-Period Integrated Routing–Scheduling Problem to Distribute Relief to Disaster Areas: A Hybrid Ant Colony Optimization Approach*, Mathematics **2024**, 12, 2844. https:// doi.org/10.3390/math12182844.
2. M.B. Khan, A.M. Deaconu, D. E. Spridon, *Diamond intuitionistic fuzzy sets and their applications*, IEEE Access, vol.12, **2024**, pp.1-13.

Sabin Tăbîrcă

1.Y. Mi, S-B Marcu, S. Tăbîrcă, V. V. B. Yallapragada, *PS-GO parametric protein search engine*, Computational and Structural Biotechnology Journal, Volume 23, Pages 1499-1509, **2024**.
2.D. Mevlevioglu, S. Tăbîrcă, D. Murphy, *Real-Time Classification of Anxiety in Virtual Reality Therapy Using Biosensors and a Convolutional Neural Network*, Biosensors-Basel, 14(3), **2024**.
3.R. Rotem, D. Galvin, Y. Daykan, Y. Mi, S. Tăbîrcă, B. A. O'Reilly, *Revolutionizing urogynecology: Machine learning application with patient-centric technology: Promise, challenges, and future directions*, European Journal of Obstetrics & Gynecology and Reproductive Biology, Volume 300, Pages 49-53, **2024**.
4.Y. Mi, S-B Marcu, V. V. B. Yallapragada, S. Tăbîrcă, *ProteinFlow: An advanced framework for feature engineering in protein data analysis,* Biotechnology and Bioengineering, **2024**.
5.Y. Mi, B. A. O'Reilly, S. Tăbîrcă, *Medical software as a virtual service: A multifaced approach to telemedicine through software-as-a-service and user-centric features,* Digital Health, **2024**.
6.T. Tăbîrcă, F. Zou, S. Tăbîrcă, *Sphere Coverage in n Dimensions*, Mathematics, **2024**.

Bianca Vasian

1. B. I. Vasian, *Voronovskaja type theorem for some nonpositive Kantorovich type operators*, Carpathian J. Math, vol 40 (**2024**), no. 1, pp. 187 – 194, DOI:10.37193/CJM.2024.01.13.

Nicoleta Voicu

1.L. Ducobu, N. Voicu, *Metric-affine cosmological models and the inverse problem of the calculus of variations. Part 1: variational bootstrapping – the method*, Eur. Phys. J. C 84, 585 (**2024**). https://doi.org/10.1140/epjc/s10052-024-12899-z.
2. N Voicu and S G Elgendi, *Metrizability of SO(3)-invariant connections: Riemann versus Finsler*, Classical and Quantum Gravity, vol. 41, no. 15 (**2024**), DOI:10.1088/1361-6382/ad5c35.