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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat:

Tehnica structurilor de punct fix in analiza operatorilor multi-voci

B. Cărți si capitole în cărți publicate în ultimii 10 ani

1. Adrian Petrușel, **Gabriela Petrușel**, Yao Jen-Chih: Fixed point theory for multi-valued Feng-Liu operators in vector-valued metric spaces in **Recent Developments in Fixed-Point Theory: Theoretical Foundations and Real-World Applications** (Editors: Mudasir Younis, Lili Chen, Deepak Singh), Springer 2024, 43-63.
2. Adrian Petrușel, **Gabriela Petrușel**: Fixed Point Theory in Graph Metric spaces in **Approximation and Computation in Science and Engineering** (Editors: Nicholas J Daras, Themistocles M. Rassias), Springer 2022, 679-691.
3. Adrian Petrușel, **Gabriela Petrușel**: Coupled fixed points and coupled coincidence points via fixed point theory, in: **Mathematical Analysis and Applications: Selected Topics** (M. Ruzhansky, H. Dutta, R. P. Agarwal-eds), Wiley 2018, 661-708.
4. **Gabriela Petrușel**: Tehnica structurilor de punct fix in analiza operatorilor multi-voci, Casa Cărții de Știință, Cluj-Napoca 2016, 106 p.
5. T. Lazăr, V. Lazăr, **Gabriela Petrușel**: Applied Mathematics in Economics (second edition), Risoprint 2014, 240 p.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Chifu Ioan-Cristian, **G. Petrușel**: Fixed point results for multi-valued Feng-Liu contractions in b-metric spaces, **Fixed Point Theory Vol. 25(2024)**: no 2, 507-518. (ISI- WEB OF SCIENCE THOMSON-REUTERS).

2. O. Tunç, C. Tunç, **G. Petruşel**, J.-C. Yao: *On the Ulam stabilities of nonlinear integral equations and integro-differential equations*, **Mathematical Methods in the Applied Sciences** Vol. **47(2024)**; no. 6, 4014 - 4028. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
3. A. Petruşel, **G. Petruşel**, J.-C. Yao: *New fixed point results for nonlinear Feng-Liu contractions with applications*, **Topol. Methods Nonlinear Anal.** Vol. **63(2024)**; no. 1, 153-166. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
4. A. Petruşel, **G. Petruşel**, L. Zhu: *On Some Properties of Multi-Valued Feng-Liu-Type Operators in Metric Spaces*, **Axioms** Vol. **13(2024)**; no. 1. 1-11. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
5. A. Petruşel, **G. Petruşel**: *Admissible perturbation of single-valued operators in vector-valued metric spaces*, **Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications** Vol. **16(2024)**; no 2, 150-161. Scopus
6. A. Petruşel, **G. Petruşel**, J.-C. Yao: *New Contributions to Fixed Point Theory for Multi-Valued Feng-Liu Contractions* **Axioms** Vol. **12(2023)**; no. 3, 1-13 (ISI- WEB OF SCIENCE THOMSON-REUTERS).
7. L. A. Horvath, A. Petruşel, **G. Petruşel**: *Maia type fixed point theorems for multi-valued Feng-Liu operators*, **Journal of Analysis** 2023 <https://doi.org/10.1007/s41478-023-00609-z>.
8. A. Petruşel, **G. Petruşel**: *Fixed point results for multi-valued graph contractions on a set endowed with two metrics*, **Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications** Vol. **15(2023)**; no. 1-2, 147-153.
9. M.-F. Bota, L. Guran, **G. Petruşel**: *Fixed points and coupled fixed points in b-metric spaces via graphical contractions*, **Carpathian Journal of Mathematics** Vol. **39(2023)**; no. 1, 1-10. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
10. Li Jinlu, **G. Petruşel**: *Set-valued fixed point and approximating fixed point theorems in metric vector spaces*, **Applied Analysis and Optimization** Vol. **7(2023)**; no. 2, 99 –113.
11. A. Petruşel, **G. Petruşel**: *Graphical contractions and common fixed points in b-metric spaces*, **Arabian Journal of Mathematics**, Vol. **12(2023)**; no. 2, 423-430. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
12. A. Petruşel, **G. Petruşel**: *Fixed points of multi-valued Subrahmanyam contractions*, **Applied Set-Valued Analysis and Optimization** Vol. **4(2022)**; no 3, 367-373. (ISI- WEB OF SCIENCE THOMSON REUTERS).

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17. A. Petruşel, G. Petruşel, J.-C. Yao: *Graph contractions in vector-valued metric spaces and applications*, **Optimization**, 70(2021): no. 4, 763-775. (ISI- WEB OF SCIENCE THOMSON REUTERS).
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20. A Petruşel, G Petruşel, J.-C. Yao: *Perov type theorems for orbital contractions*, **J. Nonlinear Convex Anal.**, 21(2020): no. 4, 759-769. (ISI- WEB OF SCIENCE THOMSON REUTERS).
21. A Petruşel, G Petruşel, M.-M. Wong: *Fixed point results for orbital contractions in complete gauge spaces with applications*, **J. Nonlinear Convex Anal.**, 21(2020): no. 4, 791-803. (ISI- WEB OF SCIENCE THOMSON REUTERS).
22. A Petruşel, G Petruşel, J.-C. Yao: *Multi-valued graph contraction principle with applications*, **Optimization** 69(2020): no. 7-8, 1541-1556. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
23. C. Chifu, A. Petruşel, G. Petruşel: *Fixed point results for non-self nonlinear graphic contractions in complete metric spaces with applications*, **J. Fixed Point Theory Appl.** 22 (2020): no. 4, Paper No. 97, 16 pp. (ISI- WEB OF SCIENCE THOMSON-REUTERS).
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29. A. Petruşel, **G. Petruşel** : *Fixed points, coupled fixed points and best proximity points for cyclic operators*, **J. Nonlinear Convex Anal.** **20** (2019): [no. 8](#), 1637–1646. (ISI-- WEB OF SCIENCE THOMSON-REUTERS).
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33. A Petruşel, **G Petruşel**, J C Yao: *Variational analysis concepts in the theory of multi-valued coincidence problems*, **Journal of Nonlinear and Convex Analysis** **19**(2018) 935-958 (ISI- WEB OF SCIENCE THOMSON-REUTERS).
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37. **G. Petruşel**, T. Lazăr, V L Lazăr: *Fixed points and coupled fixed points for multi-valued (ϕ, ψ) -contractions in b-metric space*, **Appl. Anal. Optim.** **1** (2017), 99-112. (MathSciNet, ZMATH).
38. C Chifu, **G Petruşel**: *Existence and uniqueness of the solution for a general system of operator equations in b-metric spaces endowed with a graph*, **Int. J. Nonlinear Anal. Appl.** **8** (2017): no. 2, 263-276 ISSN: 2008-6822(electronic) <http://dx.doi.org/10.22075/ijnaa.2017.11562.1570> (MathSciNet, ZMATH).
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48. A. Petruşel, **G. Petruşel**, B. Samet, J.-C. Yao: *Coupled fixed point theorems for symmetric contractions in b-metric spaces with applications to operator equation systems*, **Fixed Point Theory**, 17(2016): no. 2, 457-476.(ISI- WEB OF SCIENCE THOMSON-REUTERS).
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53. M.-F. Bota, A. Petruşel, **G. Petruşel**, B. Samet: *Coupled fixed point theorems for single-valued operators in b-metric spaces*, **Fixed Point Theory and Applications** 2015, 2015:231, doi:10.1186/s13663-015-0482-3 ((ISI- WEB OF SCIENCE THOMSON-REUTERS).
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57. C. Chifu, G. Petruşel: *New results on coupled fixed point theory in metric spaces endowed with a directed graph*, **Fixed Point Theory and Applications** 014, 2014:151 doi: 10.1186/1687-1812-2014-151
URL:<http://www.fixedpointtheoryandapplications.com/content/2014/1/151> (ISI- WEB OF SCIENCE THOMSON-REUTERS).

D. Lucrări publicate în ultimii 10 anii în reviste şi volume de conferinţe cu referenţi (neindexate)

- Reviste

- **International Conference on Mathematics and Computer Science**
September 15-17, 2022, Braşov, Romania 4th Edition - MACOS 2022.
- **6th International Conference on Computational Mathematics and Engineering Sciences**, (CMES-2022), *Fixed Points and Coupled Fixed Points in B-metric spaces via Graphical contraction*, 20-22 May. 2022, Ordu – Turkey.
- **SYNASC2021: 23rd International Symposium on Symbolic and numeric Algorithms for Scientific Computing** 7-9 Decembrie 2021
- **The 19th International Conference on Functional Equations and Inequalities Poland**, Bedlewo 13-18 Septembrie 2021.
- **Mathematics and IT Research and Educations** Chisinau Moldova 1-3 iulie 2021, *Some new results in Fixed Point Theory*, Adrian Petruşel, Gabriela Petruşel.
- **AMS Central Fall Virtual Sectional Meeting**, September 12-13 2020.
- **Colloquium and International Conference on Variational Analysis and Nonsmooth Optimization**, Halle, Germany, from 28th June- 1 July, 2018.
- **The 12th International Conference on Fixed Point Theory and Its Applications**, Newcastle, Australia, from 24th - 28th July, 2017.
- **International Workshop on Nonlinear and Variational Analysis**, Center for Nonlinear Analysis and Optimization Kaohsiung Medical University, Kaohsiung Taiwan, July 21-22, 2017.

- Invited lecturer to **Workshop on Nonlinear Analysis and Optimization, dedicated to the 60th anniversary of Aram Arutyunov**, University of Porto 18 to 26 of April, 2017
- **IWAAO 2016 International Workshop on Applied Analysis and Optimization**, China Medical University, Taichung 28-29 May 2016 Taiwan
- **International Conference on Nonlinear Operators, Differential Equations and Applications**, July 14-17 2015, Cluj-Napoca Romania.

PARTICIPATION TO NATIONAL AND INTERNATIONAL GRANTS

- Member in International grand: **"On solution methods for equilibrium and optimization problems on manifolds"** MOST 105-2115-M-039-002-MY3, 2017-2018 Taiwan, Director: Professor Jen-Chih Yao.
- Member in International grand: **"Methods of Nonlinear analysis in solving of problems of control and optimization"** MOST 103-2923-E-039-001-MY3, 2015-2016 Taiwan, Director: Professor Jen-Chih Yao.

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Semnătura: