

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: **Științe Aplicate**

Departamentul: **Matematici Aplicate**

Nume Prenume: **Urziceanu Silviu-Aurelian**

Gradul didactic: **Lector Universitar Doctor**

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

- **Teza de doctorat: Sisteme Iterative de Functii Generalizate si Posibil Infinite (Indrumator: Lector Universitar Doctor: Alexandru Mihail).**

- **Lista de Lucrari:**

Ris-1 Silviu-Aurelian Urziceanu, Another proof for the continuity of the canonical projection from the shift space on the attractor of a certain infinite IFS, *Analele Universitatii Bucuresti, Matematica*, Anul LVII (2008), pp. 247-258.

Ris-2 Silviu-Aurelian Urziceanu, *Alternative characterizations of AGIFSs having attractor*, *Fixed Point Theory*, 20 (2019), 729-740, **WOS: 000475844600024**.

Ris-3 Silviu-Aurelian Urziceanu, *Possibly infinite generalized iterated function systems comprising phi-max contractions*, *Studia Universitatis Babes-Bolyai Mathematica*, 64 (2019), 139-150: **WOS: 000471238400001**.

Ris-4 Radu Miculescu, Silviu-Aurelian Urziceanu, *The canonical projection associated with certain possibly infinite generalized iterated function systems as a fixed point*, *J. Fixed Point Theory Appl.*, (2018), 20: 141: **WOS: 000445188100001**.

Ris-5 Radu Miculescu, Alexandru Mihail, Silviu-Aurelian Urziceanu, *A new algorithm that generates the image of the attractor of a generalized iterated function system*, *Numerical Algorithms*, sub tipar, <https://doi.org/10.1007/s11075-019-00730-w>: **WOS: 000527950300007**.

Ris-6 Silviu-Aurelian Urziceanu, *Necessary Optimality Conditions in Isoperimetric Constrained Optimal Control Problems*, *SYMMETRY-BASEL*, Volume 11, Issue 11, Article Number 1380 DOI: 10.3390/sym11111380 , Published: NOV 2019, **WOS:000502276600055**.

Ris-7 Alexandru Mihail and Silviu-Aurelian Urziceanu, *On Hyperbolic Affine Generalized Infinite Iterated Function Systems*, *Results Math* (2020) 75:111 2020 Springer Nature Switzerland

AG1422-6383/20/030001-20 published online July 4, 2020 <https://doi.org/10.1007/s00025-020-01232-1>, [https://](https://rdcu.be/b5p1A)

[/rdcu.be/b5p1A](https://rdcu.be/b5p1A). **WOS:000545104800001**

Ris-8 Radu Miculescu, Alexandru Mihail, **Silviu-Aurelian Urziceanu** *Contractive affine generalized iterated function systems which are topologically contracting*, <http://doi.org/10.1016/j.chaos.2020.110404>. **WOS: 000598541800007**

Ris-9 Radu Miculescu, Alexandru Mihail, **Silviu-Aurelian Urziceanu** An application of Edelstein's contraction principle: the attractor of a graph – directed generalized iterated function system. *J. Fixed Point Theory Appl.* (2022) 24:63 <https://doi.org/10.1007/s11784-022-00978-1> c The Author(s), under exclusive licence to Springer Nature Switzerland AG 2022. **WOS: 000852379600001**

- **Conferinte:**

1. În cadrul conferinței: International Conference on Mathematics and Computer Science (MACOS 2016), Brasov, Romania, 2nd Edition, joi 8 septembrie 2016, am susținut conferința cu titlul Alternative characterizations of AGIFSs having attractor.
2. În cadrul conferinței 23rd International Conference on Difference Equations and Applications (ICDEA 2017), Timisoara, Romania, joi 27 iulie 2017, am susținut conferința cu titlul: On AGIIFSs having attractor.
3. În cadrul conferinței 4th International Conference on Numerical Analysis and Approximation Theory (NAAT 2018), Cluj-Napoca, Romania, sâmbata, 8 septembrie 2018, am susținut conferința cu titlul Possibly infinite generalized iterated function systems comprising phy-max contractions.
4. In cadrul conferinței: International Conference on Mathematics and Computer Science (MACOS 2022), Brasov, Romania, 4-th Edition, vineri 16 septembrie 2022, am susținut conferința cu titlul An application of Edelstein's contraction principle: the attractor of a graph-directed generalized iterated function system.