Curriculum Vitae

Assist. prof. Maria Irina SAVU,
Department of Mathematics & Informatics,
University "Politehnica" of Bucharest
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1.  HIGHEST EDUCATION

- Ph.D. student in Mathematics, "Iterated function systems with orbital contractivity conditions", from October 2019 until the present.
- Master Graduate: "Probability and Statistics in Finance and Sciences", Faculty of Mathematics and Computer Science, University of Bucharest, June 2019.
- B.A. (Applied Mathematics), Faculty of Mathematics and Computer Science, University of Bucharest, June 2017.

2.  ACADEMIC/RESEARCH EMPLOYMENT

- Assistant Professor, Department of Mathematics & Informatics, University "Politehnica" of Bucharest, from October 2019 until the present.
- Mathematics teacher, "Olga Gudynn International School", Voluntari, Ilfov, from August 2018 until July 2019.

3.  TEACHING EXPERIENCE

- Mathematical Analysis;
- Special Mathematics and Numerical Methods;
- Linear Algebra, Analytic and Differential Geometry.

4.  RESEARCH DIRECTIONS

- Fractals (28A80);
- Attractors of smooth dynamical systems and their topological structure (37C70);
- Fixed Point Theorems (54H25).

5.  COMPUTER SKILLS

- LaTeX;
- MS Office.

6.  COMMUNICATION SKILLS

- High proficiency in English;
- Medium proficiency in French.

7. PUBLICATIONS

1) **I. Savu**, *New aspects concerning IFSs consisting of continuous functions satisfying Banach's orbital condition*, J. Fixed Point Theory Appl., **21** (2019), no. 2, Paper No. 62, 11 pp. (RIS: 1.068; RIF: 1.548; MCQ: 0.97)

2) A. Mihail, **I. Savu**, *φ-Contractive parent-child possibly infinite IFSs and orbital φ -contractive possibly infinite IFSs*, accepted for publication, will appear in Fixed Point Theory; arXiv:2103.07551. (RIS: 0.656; RIF: 1.080; MCQ: 0.58)

3) R. Miculescu, A. Mihail, **I. Savu**, *A characterization of the fuzzy fractals generated by an orbital fuzzy iterated function system*, Carpathian J. Math., **38** (2022), no. 3, 583-595. (RIS: 0.501; RIF: 1.053; MCQ: 0.35)

4) A. Mihail, **I. Savu**, *On the connectedness of attractors of orbital contractive IFSs*, Topology Appl., **326** (2023), Paper No. 108412, 16pp. (RIS: 0.428 ; RIF: 0.451; MCQ: 1)

5) A. Mihail, **I. Savu**, *φ -Contractive orbital affine iterated function systems,* Politehn. Univ. Bucharest Sci. Bull. Ser. A Appl. Math. Phys., **85** (2023), no. 1, 13-24. (RIS: 0.322; RIF: 0.568; MCQ: 0.24)

6) A. Mihail, **I. Savu**, *Orbital fuzzy iterated function systems*, Fuzzy Sets and Systems (RIS: 1.291; RIF: 2.202), https://doi.org/10.1016/j.fss.2023.02.012.

7) R. Miculescu, A. Mihail, **I. Savu**, *Iterated function systems consisting of continuous functions satisfying Banach's orbital condition*, An. Univ. Vest Timiș. Ser. Mat.-Inform., **56** (2018), no. 2, 71-80.

8) A. Mihail, **I. Savu**, *Orbital φ-contractive iterated function systems*, Proceedings of Research World International Conference, Prague, Czech Republic, $21^{st}$-$22^{nd}$ September 2020.

8. AWARDED PAPERS

- One paper awarded by CNCSIS (Q1).


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