

CURRICULUM VITAE

Date personale

- *Nume:* Mihail Alexandru-Iancu
- *Data si locul nasterii:* [REDACTED] Bucuresti, Romania
- *Adresa:* Universitatea Bucuresti, Facultatea de Matematica si Informatica, Str. Academiei 14, Bucuresti, Romania
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Studii

- 1995-2003 Doctorat: Institutul de Matematica al Academiei Romane „Simion Stoilow”, *Titlul tezei:* "Algebre de operatori"; *Conducator stiintific:* Prof. Dr. Serban Stratila
- 1988-1993 Licenta: Universitatea din Bucuresti, Facultatea de Matematica si Informatica

Diplome

- 2015 Teza de abilitare
- 2003 Diploma de doctor: Institutul de Matematica al Academiei Romane „Simion Stoilow”
- 1993 Diploma de licenta: Universitatea din Bucuresti, Facultatea de Matematica si Informatica

Posturi ocupate

- 2004 - prezent: lector, Universitatea din Bucuresti, Facultatea de Matematica si Informatica
- 1997 - 2004: asistent, Universitatea din Bucuresti, Facultatea de Matematica si Informatica
- 1995 - 1997: preparator, Universitatea din Bucuresti, Facultatea de Matematica si Informatica
- 1993 - 1995: preparator, Universitatea Spiru Haret

Activitate didactica

- *Cursuri:* Analiza Matematica I, II si III, Analiza Complexa, Teoria Masurii, Analiza Functionala, Complemente de Analiza Matematica, Metode Topologice in Analiza Matematica (curs optional), Teoria Fractalilor (curs in cadrul programului masteral)
- *Seminarii:* Analiza Matematica I, II si II, Analiza Complexa, Teoria Masurii, Analiza Functionala, Analiza Numerica, Complemente de Analiza Matematica, Metode Topologice in Analiza Matematica, Teoria Fractalilor
- *Introducere de cursuri noi:* Teoreme de punct fix si Teoria Fractalilor (in cadrul programului masteral)

Activitate stiintifica

- *Domenii de interes*: Sisteme iterative de functii, Algebre de operatori
- *Publicatii*: 1 carte, 56 articole stiintifice

Articole

Articole in reviste ISI

1. "*Lipscomb's space ω^A is the attractor of an infinite IFS containing affine transformations on $l^2(A)$* ", **Proceedings of the American Mathematical Society**, 136 (2008), 587-592 (cu Radu Miculescu).
2. "*Applications of fixed point theorems in the theory of generalized IFS*", **Fixed Point Theory and Applications**, Volume 2008, Article ID 312876, 11 pages, doi: 10.1155/312876 (cu Radu Miculescu).
3. "*On the factorization of fields of Banach spaces*", **Mathematical Reports**, 10 (60) (2008), 253-263 (cu Speranta Vladioiu).
4. "*The shift space for an infinite iterated function system*", **Mathematical Reports**, 61 (2009), 21-32 (cu Radu Miculescu).
5. "*A generalization of the Hutchinson measure*", **Mediterranean Journal of Mathematics**, 6 (2009), 203-213 (cu Radu Miculescu).
6. "*Generalized IFSs on noncompact spaces*", **Fixed Point Theory and Applications**, Volume 2010, Article ID 584215, 15 pages, doi:10.1155/2010/584215 (cu Radu Miculescu).
7. "*On the connectivity of attractors of iterated function systems*", **Rocky Mountain Journal of Mathematics**, 40 (2010), 1949-1964.
8. "*On linear recurrences with positive variable coefficients in Banach Spaces*", **Mathematical Reports**, 69 (2010), 9-29.
9. "*On a family of IFSs whose attractors are not connected*", **Journal of Mathematical Analysis and Applications**, 376 (2011), 187-192 (cu Radu Miculescu).
10. "*On the connectivity of the attractors of recurrent iterated function systems*", **Mathematical Reports**, 13 (2011), 363-376 (cu Nicolae-Adrian Secelean).
11. "*Lipscomb's $L(A)$ space fractalized in $l^p(A)$* ", **Mediterranean Journal of Mathematics**, 9 (2012), 515-524 (cu Radu Miculescu).

12. "A topological version of iterated function system", **Analele Stiintifice Universitatea Al. I. Cuza Iasi**, 58 (2012), 105-120.
13. "The independence of p of the Lipscomb's $L(A)$ space fractalized in $l^p(A)$ ", **Topology and its Applications**, 160 (2013), 241-250 (cu Radu Miculescu).
14. "A characterization of compact operators via the non-connectedness of the attractors of a family of IFSs", **Complex Analysis and Operator Theory**, 7 (2013), 1819-1830 (cu Radu Miculescu).
15. "Alternative characterization of hyperbolic affine infinite iterated functions systems", **Journal of Mathematical Analysis and Applications**, 407 (2013), 56-68 (cu Radu Miculescu).
16. "Attractors of iterated functions systems and associated graphs", **Kodai Mathematical Journal**, 37 (2014), 481-491 (cu Dan Dumitru).
17. "Some remarks concerning the attractors of iterated function systems", **Rocky Mountain Journal of Mathematics**, 44 (2014), 479-496 (cu Dan Dumitru).
18. "On a question of A. Kameyama concerning self-similar metrics", **Journal of Mathematical Analysis and Applications**, 422 (2015), 265-271 (cu Radu Miculescu).
19. "Reich-type iterated function systems", **Journal of Fixed Point Theory and Applications**, 18 (2016), 285-296 (cu Radu Miculescu).
20. "Remetrization results for possible infinite self-similar systems", **Topological Methods in Nonlinear Analysis**, 47 (2016), 335-345 (cu Radu Miculescu).
21. "A sufficient condition for a finite family of continuous functions to be transformed into ψ -contractions", **Annales Academiae Scientiarum Fennicae, Mathematica**, 41 (2016), 51-65 (cu Radu Miculescu).
22. "Caristi-Kirk type and Boyd&Wong-Browder-Matkowski-Rus type fixed point results in b -metric spaces", **Filomat**, 31 (2017), 4331-4340, (cu Radu Miculescu).
23. "New fixed point theorems for set-valued contractions in b -metric spaces", **Journal of Fixed Point Theory and Applications**, 19 (2017), 2153-2163, (cu Radu Miculescu).
24. "A generalization of Istratescu's fixed point theorem for convex contractions", **Fixed Point Theory**, 18 (2017), 689-702, (cu Radu Miculescu).

25. "A generalization of Matkowski's fixed point theorem and Istratescu's fixed point theorem concerning convex contractions", **Journal of Fixed Point Theory and Applications**, 19 (2017), 1525-1533, (cu Radu Miculescu).
26. "A generalization for a finite family of functions of the converse of Browder's fixed point theorem", **Bulletin of the Brazilian Mathematical Society, New Series**, 49 (2018), 673-698 (cu Radu Miculescu).
27. "A study of the attractor of a ϕ -max-IFS via a relatively new method", **Journal of Fixed Point Theory and Applications**, (2018) 20: 24. <https://doi.org/10.1007/s11784-018-0497-6> (cu Flavian Georgescu si Radu Miculescu).
28. "Invariant measures of Markov operators associated to iterated function systems consisting of ϕ -max-contractions with probabilities", **Indagationes Mathematicae**, 30 (2019), 214-226 (cu Flavian Georgescu si Radu Miculescu).
29. "A Nadler type result for iterated multifunction systems", **J. Fixed Point Theory Appl.** 21 (2019), no. 3, Paper No. 79, 11 pp. (cu Radu Miculescu)
30. "Hardy-Rogers type iterated function systems", **Qual. Theory Dyn. Syst.** 19 (2020), no. 1, Art. 37, 13 pp. (cu Flavian Georgescu si Radu Miculescu)
31. "A new algorithm that generates the image of the attractor of a generalized iterated function system", **Numer. Algorithms** 83 (2020), no. 4, 1399–1413 (cu Radu Miculescu si Silviu-Aurelian Urziceanu)
32. "On hyperbolic affine generalized infinite iterated function systems", **Results Math.** 75 (2020), no. 3, Paper No. 111, 20 pp. (cu Silviu-Aurelian Urziceanu)
33. "Contractive affine generalized iterated function systems which are topologically contracting," **Chaos Solitons Fractals** 141 (2020), 110404, 8 pp. (cu Radu Miculescu si Silviu-Aurelian Urziceanu)
34. "Another characterization of hyperbolic diameter diminishing to zero IFSs", **Carpathian J. Math.** 37 (2021), no. 2, 217–226, (cu Radu Miculescu si Cristina-Maria Păcurar)
35. "Diameter diminishing to zero IFSs", **Monatsh. Math.** 196 (2021), no. 4, 861–876, (cu Radu Miculescu)
36. "A characterization of fuzzy fractals generated by an orbital fuzzy iterated function system", **Carpathian J. Math.** 38 (2022), no. 3, 583–595, (cu Radu Miculescu si Irina Savu)

37. "An application of Edelstein's contraction principle: the attractor of a graph-directed generalized iterated function system", **J. Fixed Point Theory Appl.** 24 (2022), no. 3, Paper No. 63, 18 pp, (cu Radu Miculescu si Silviu-Aurelian Urziceanu)

38. "Graph Lipscomb's space is a generalized Hutchinson-Barnsley fractal", **Aequationes Math.** 96 (2022), no. 6, 1141–1157, (cu Radu Miculescu)

39. "Interpolation type iterated function systems", **J. Math. Anal. Appl.** 519 (2023), no. 1, Paper No. 126747, 17 pp, (cu Radu Miculescu si Cristina Maria Păcurar)

Alte articole (indexate in baze de date internationale)

40. "Abstract convergence filters", **Studii si Cercetari Matematice**, 43 (1991), 43-46.

41. "A topological version of approximations of functions by averaging", **Studii si Cercetari Matematice**, 50 (1998), 201-214.

42. "On inductive limits of fields of C^* -algebras", **Revue Roumaine des Mathematiques Pures et Appliquees**, 47 (2002), 349-371.

43. "On linear recurrence with variable coefficients", **Analele Universitatii din Bucuresti**, 53 (2004), 239-252.

44. "On the separability of fields of Banach spaces", **Revue Roumaine des Mathematiques Pures et Appliquees**, 50 (2005), 49-53.

45. "On the connectivity of attractors of iterated multifunction systems", **Real Analysis Exchange**, 34 (2008), 195-206.

46. "Sequences of partial defined functions", **Analele Universitatii din Bucuresti**, 52 (2008), 113-130.

47. "The shift space for generalized iterated function systems", **Analele Universitatii din Bucuresti**, 52 (2008), 139-163.

48. "The shift space of an iterated function system containing Meir-Keeler functions", **Analele Universitatii din Bucuresti**, 57 (2008), 75-88 (cu Dan Dumitru).

49. "The Arzela-Ascoli theorem for partial defined functions", **Analele Universitatii din Bucuresti**, 52 (2008), 259-268.

50. "Recurrent of Iterated Function Systems", **Revue Roumaine des Mathematiques Pures et Appliquees**, 53 (2008), 43-53.

51. "*The shift space for Recurrent Iterated Function Systems*", **Revue Roumaine des Mathematiques Pures et Appliquees**, 53 (2008), 339-355.

52. "*On a strong notion of disconnectedness*", **Analele Universitatii din Bucuresti**, 58 (2009), 23-29 (cu Radu Miculescu).

53. "*The Hutchinson measure for generalized iterated function systems*", **Revue Roumaine des Mathematiques Pures et Appliquees**, 54 (2009), 297-316.

54. "*A sufficient condition for the connectedness of the attractors of infinite iterated function system*", **Analele Stiintifice Universitatea Al. I. Cuza Iasi**, 55 (2009), 87-94 (cu Dan Dumitru).

55. "*A necessary and sufficient condition for the connectivity of the attractor of an infinite iterated function system*", **Revue Roumaine des Mathematiques Pures et Appliquees**, 55 (2010), 147-157.

56. "*Iterated function systems consisting of continuous functions satisfying Banach's orbital condition*", **Annals of West University of Timisoara - Mathematics and Computer Science**, 56 (2018), no. 2, 71–80, in curs de aparitie (cu Radu Miculescu si Irina Savu).