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Raport de activitate științifică 2024

CUPRINS

I. Articole.....	2	VII. Lucrări și comunicări prezentate la manifestări științifice..	30
I.1 Articole publicate în reviste indexate Web of Science	2	VII.1 Lucrări invitate la manifestări științifice naționale sau internaționale.....	30
I.2 Articole publicate în reviste indexate Web of Science – Emerging Sources Citation Index sau SCOPUS.....	17	VII.2 Comunicări orale prezentate la manifestări științifice internaționale.....	39
I.3 Articole apărute în reviste recunoscute de CNCS sau în volume conference proceedings indexate în baze de date.....	18	VIII. Vizite de cercetare/colaborări științifice.....	42
II. Cărți/capitole de cărți.....	20	IX. Membri/comitete editoriale/comisii științifice/experti.....	44
III. Tehnologii/brevete/rapoarte.....	21	IX.1 Comisii/comitete/grupuri de lucru.....	44
IV. Citări.....	22	IX.2 Colective editoriale și de redacție.....	48
V. Preprinturi elaborate în 2024.....	22	X. Doctoranzi.....	52
VI. Premii.....	29	XI. Manifestări științifice organizate sau co-organizate de IMAR în 2024.....	54
		XII. Proiecte de cercetare derulate de IMAR.....	56

I. ARTICOLE PUBLICATE ÎN ANUL 2024

Tabel I.1 Articole publicate în reviste indexate Web of Science

Pentru stabilirea cuartilei s-a considerat cea mai bună încadrare Q1, Q2, Q3 sau Q4 (între IF și AIS) din ultimele 5 ediții publicate de Journal Citation Reports raportate la anul 2024 (listele apărute în anii 2020-2024).

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă	Cuartilă
1	A. Negut	A tale of two shuffle algebras	Selecta Mathematica 30 (2024), no. 4, Paper No. 62, 95 pp. DOI: 10.1007/s00029-024-00941-7	Q1
2	A. Negut	The PBW basis of $U_{\{q, \bar{q}\}}(\mathfrak{gl}_n)$	Transform. Groups 29 (2024), no 1, pp. 277-360, DOI: 10.1007/s00031-022-09696-x	Q1
3	A. Negut, A. Tsymbaliuk	Quantum loop groups and shuffle algebras via Lyndon words	Adv. Math. 439 (2024), Paper No. 109482, 69 pp. DOI: 10.1016/j.aim.2023.109482	Q1
4	A. Negut, F. Sala, O. Schiffmann	Shuffle algebras for quivers as quantum groups	Math. Ann. (2024) DOI: 10.1007/s00208-024-02989-4	Q1
5	A. Negut	An integral form of quantum toroidal \mathfrak{gl}_1	Mathematical Reports , vol. 26(76), no. 2, pp. 183-205, DOI: 10.59277/mrar.2024.26.76.3.4.183	Q4
6	A. Negut	Reduced quiver quantum toroidal algebras	J. Inst. Math. Jussieu (2024), pp. 1-29 DOI: 10.1017/S1474748024000306	Q1
7	A. Mustățea	The diamagnetic inequality for the heat semigroup in Hermitian bundles over compact Riemannian manifolds	Mathematical Reports , vol. 26(76), no. 2, pp. 171-182, DOI: 10.59277/mrar.2024.26.76.2.171	Q4
8	A. L. Agore	Functors between representation categories. Universal modules	Linear Algebra and its Applications 688 (2024), pp. 104-119	Q2
9	A. L. Agore, G. Militaru	Universal constructions for Poisson algebras. Applications	Journal of Algebra 638 (2024), pp. 32-56	Q2

10	M. Joița	Local boundary representations for local operator systems	Journal of Mathematical Analysis and Applications 535 (2024), Issue 2, Art. No. 128146, DOI: 10.1016/j.jmaa.2024.128146	Q2
11	A. Dimca	On free and plus-one generated curves arising from free curves by addition-deletion of a line	Bulletin of Mathematical Sciences Vol. 14, No. 03, 2450007 (2024) DOI: 10.1142/S1664360724500073	Q1
12	A. Dimca, G. Ilardi	On the duals of smooth projective complex hypersurfaces	Publ. Mat. 68 (2024), pp. 431-438 DOI: 10.5565/PUBLMAT6822404	Q1
13	Dimca, G. Ilardi, P. Pokora, G. Sticlaru	Construction of free curves by adding lines to a given curve	Results in Mathematics , Vol. 79, Art. No. 11, (2024), DOI: 10.1007/s00025-023-02036-9	Q1
14	I. Nenciu, X. Shen, C. Sparber	Nonlinear bound states with prescribed angular momentum	Calculus of Variations and Partial Differential Equations (2024), vol. 63, Art. No. 1, DOI: 10.1007/s00526-023-02599-z	Q1
15	D. Kosta, A. Thoma, M. Vladioiu	The strongly robust simplicial complex of monomial curves	Journal of Algebraic Combinatorics , Volume 60, pp. 701-721, (2024), DOI: 10.1007/s10801-024-01349-4	Q2
16	R. Aimino, M. Nicol, A. Török	Stable laws for random dynamical systems	Ergodic Theory and Dynamical Systems (2024), vol. 44, Issue 11, pp. 3041-3090, DOI: 10.1017/etds.2024.5	Q1
17	T. Abe, D. Ibadula, A. Macinic	On some freeness-type properties for line arrangements	Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XXV (2024), pp. 427-447, DOI: 10.2422/2036-2145.202105_038	Q1
18	A. Macinic, P. Pokora	Addition-deletion results for plus-one generated curves	Journal of Algebraic Combinatorics (2024), Vol. 60 pp. 723-734, DOI: 10.1007/s10801-024-01350-x	Q2
19	A. Macinic, J. Vallès	A geometric perspective on plus-one generated arrangements of lines	International Journal of Mathematics (2024), Vol. 35, No. 10, 2450034, DOI: 10.1142/S0129167X24500344	Q2

20	A. Sipoş	On quantitative metastability for accretive operators	Zeitschrift für Analysis und ihre Anwendungen (2024), vo. 43, no. 3/4, pp. 417-433, DOI: 10.4171/ZAA/1741	Q2
21	Z. Geng, A. Roy, A. Zarnescu	Global existence of weak solutions for a model of nematic liquid crystal-colloidal interactions	SIAM Journal on Mathematical Analysis 56 (2024), Issue 4, pp. 4324-4355, DOI:	Q1
22	G. Di Fratta, V.V. Slastikov, A. Zarnescu	Sufficient conditions for the existence of minimizing harmonic maps with axial symmetry in the small-average regime	Nonlinear Analysis: Real World Applications 78 (2024), Art. No. 104076 DOI:	Q1
23	N. D. Alikakos, D. Gazoulis, A. Zarnescu	Entire Minimizers of Allen–Cahn Systems with Sub-Quadratic Potentials	Journal of Dynamics and Differential Equations 36 (2024), Issue Suppl. 1, pp. 253-285, DOI:	Q1
24	X. Liu, M. Paicu, A. Zarnescu	The hidrostatic limit of the Beris-Edwards system în dimension two	Communications in Mathematical Sciences , 22 (2024), Issue 6, pp. 1701-1732, DOI:	Q2
25	A. Gheondea, B. Udrea	Positive semidefinite maps on *-semigroups and linearisations	Integral Equations and Operator Theory , 96 (2024), Art. no. 26, 48 pp., DOI: 10.1007/s00020-024-02777-4	Q2
26	M. Junge, S. Longfield, B. Udrea	Some classification results for q-Gaussian von Neumann algebras	Studia Mathematica 278 (1) (2024), pp. 1-48, DOI: 10.4064/sm230925-27-8	Q2
27	Y. Chen, C. Joița, M. Tibăr	Deformations with fibre constancy	Bull. Sci. Math. 197 (2024), 103520, DOI: 10.1016/j.bulsci.2024.103520	Q2
28	M. Aprodu, G. Farkas, C. Claudiu, A. Suci	Reduced resonance schemes and Chen ranks	J. Reine Angew. Math. 814 (2024), pp. 205-240, DOI: 10.1515/crelle-2024-0051	Q1
29	M. Aprodu, G. Farkas, C. Raicu, A. Sammartano, A. Suci	Higher resonance schemes and Koszul modules of simplicial complexes	J. Algebraic Combin. 59 (2024), no. 4, pp. 787-805, DOI: 10.1007/s10801-024-01313-2	Q2

30	M. Aprodu, G. Farkas, C. Raicu, J. Weyman	Koszul modules with vanishing resonance in algebraic geometry	Selecta Math. 30 (2024), no. 2, Paper No. 24, DOI: 10.1007/s00029-023-00912-4	Q1
31	Z. Gao, C. Raicu	Cohomology of line bundles on the incidence correspondence	Trans. Amer. Math. Soc. Ser. B 11 (2024), pp. 64–97, DOI: 10.1090/btran/173	Q1
32	R. Bhat, C. Cobeli, A. Zaharescu, Alexandru	A Lozenge triangulation of the plane with integers	Mediterr. J. Math. 21 (2024), No. 7, Paper No. 190	Q1
33	C. Cobeli, A. Zaharescu	On the trajectories of a particle in a translation invariant involutive field	Result. Math. 79 (2024), No. 6, Paper No. 223	Q1
34	R. Bhat, C. Cobeli, A. Zaharescu	On quasi-periodicity in Proth-Gilbreath triangles	Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 67(115), no. 1, 3-21	Q3
35	J. Anderson, C. Cobeli, A. Zaharescu	Counterintuitive patterns on angles and distances between lattice points in high dimensional hypercubes	Result. Math. 79 (2024), No. 2, Paper No. 94, 20 p.	Q1
36	R. Bhat, C. Cobeli, A. Zaharescu	Filtered rays over iterated absolute differences on layers of integers	Chaos, Solitons & Fractals , Volume 178 (2024), Art. No. 114315	Q1
37	C. Cobeli, A. Pitrop, A. Zaharescu	Non-equal neighboring model for factorials (mod p)	Filomat , Volume 38 (2024), No. 13, pp. 4711-4726.	Q2
38	J. Anderson, F. Boca, C. Cobeli, A. Zaharescu	Distribution of angles to lattice points seen from a fast moving observer	Res. Number Theory 10 (2024), No. 3, Paper No. 62, 31 p.	Q2
39	C. A-M. Anghel	Coloured Jones and Alexander polynomials as topological intersections of cycles in configuration spaces	Advances in Mathematics (2024), vol. 459, 109993, 71 pp. DOI:	Q1
40	C. A-M. Anghel	ADO invariants directly from partial traces of homological representations	New York Journal of Mathematics (2024), vol. 30, pp. 481–501, DOI:	Q2

41	D. Tiba, C. Murea	Penalization of stationary Navier-Stokes equations and applications in topology optimization	Japan Journal of Industrial and Applied Mathematics 42 (2025), pp. 289-329, DOI: 10.1007/s13160-024-00676-0	Q3
42	M. Del Mar González, L. Ignat, D. Manea, S. Moroianu	Concentration limit for non-local dissipative convection-diffusion kernels on the hyperbolic space	Nonlinear Analysis , Volume 248, 113618 (2024), DOI: 10.1016/j.na.2024.113618	Q1
43	E. Mihăilescu	Amalgamated Pressure of Multipotentials for Semigroups	Journal of Geometric Analysis 35 (2025), Art. No. 64, DOI: 10.1007/s12220-024-01880-7	Q1
44	I. Belțiță, D. Belțiță	Continuous selection of Lagrangian subspaces	Linear and Multilinear Algebra 72 (2024), no. 15, pp. 2439-2465	Q2
45	I. Belțiță, D. Belțiță	On the regular representation of solvable Lie groups with open coadjoint quasi-orbits	Analysis and Mathematical Physics 14 (2024), no. 4, 81 pp.	Q1
46	I. Belțiță, J. T. van Velthoven	Symplectic projective orbits of unimodular exponential Lie groups	Bulletin des Sciences Mathématiques 194 (2024), Art. No. 103455, DOI: 10.1016/j.bulsci.2024.103455	Q2
47	P. Firmino, L. Leuştean	Quantitative asymptotic regularity of the VAM iteration with error terms for m-accretive operators in Banach spaces	Zeitschrift für Analysis und ihre Anwendungen (2024), DOI: 10.4171/ZAA/1772	Q2
48	H. Cheval, L. Leuştean	Linear rates of asymptotic regularity for Halpern-type iterations	Mathematics of Computation (2024), DOI: 10.1090/mcom/3991	Q1
49	L. Leuştean, P. Pinto	Rates of asymptotic regularity for the alternating Halpern-Mann iteration	Optimization Letters , 18 (2024), pp. 529-543, DOI: 10.1007/s11590-023-02002-y	Q2
50	L. Maxim, M. Tibăr	Morse numbers of complex polynomials	Journal of Topology 17 (2024), no. 4, Art. Number e12362, DOI: 10.1112/topo.12362	Q1

51	Y. Liu, L. Maxim, B. Wang	Brylinski-Radon transformation and generic projections	Proc. Amer. Math. Soc. 152 (2024), pp. 5279-5288, DOI: 10.1090/proc/16996	Q2
52	Y. Liu, L. Maxim, B. Wang	Cohomology of \mathbb{Z} -Local Systems on Complex Hyperplane Arrangement Complements	International Mathematics Research Notices , Volume 2024, Issue 15, pp. 11092– 11103, DOI: 10.1093/imrn/rnae111	Q1
53	L. Maxim	On the topology of complex projective hypersurfaces	Res. Math. Sci. 11 (2024), no. 1, Art. No. 14, DOI: 10.1007/s40687-024-00435-0	Q1
54	L. Maxim, J. Rodriguez, B. Wang, L. Wu	Linear optimization on varieties and Chern-Mather classes	Adv. Math. 437 (2024), Article No. 109443, DOI: 10.1016/j.aim.2023.109443	Q1
55	F. Della Pietra, G. Fantuzzi, L. Ignat, A. L. Masiello, G. Paoli, E. Zuazua	Finite element approximation of the Hardy constant	Journal of Convex Analysis 31 (2024), no. 2, pp. 497-523	Q3
56	J. Endal, L. Ignat, F. Quirós	Heat equations with fast convection: source-type solutions and large-time behaviour	Discrete Contin. Dyn. Syst. Ser. S 17 (2024), no. 4, pp. 1497–1512 DOI: 10.3934/dcdss.2023182	Q2
57	M. Dumitru, L. Ornea	On the Preeminence of Euclidean Geometry: Nash's Embedding Theorems	Journal for General Philosophy of Science (2024), DOI: 10.1007/s10838-024-09684-7	Q2
58	L. Ornea, M. Verbitsky	Algebraic cones of LCK manifolds with potential	Journal of Geometry and Physics 198 (2024), Art. No. 105103, DOI: 10.1016/j.geomphys.2024.105103	Q1
59	L. Ornea, M. Verbitsky	Lee classes on LCK manifolds with potential	Tohoku Math. Journal 76 (2024), no. 1, pp. 105-125, DOI: 10.2748/tmj.20220630	Q2
60	L. Ornea, M. Verbitsky	Bimeromorphic geometry of LCK manifolds	Proc. Amer. Math. Soc. 152 (2024), Issue 2, pp. 701-707, DOI: 10.1090/proc/16559	Q2
61	L. Ornea, M. Verbitsky	Mall bundles and flat connections	Annales de l'Institut Fourier (2024), 28 p. DOI: 10.5802/aif.3647	Q1

62	C. Beznea, L. Beznea, M. Röckner	Nonlinear Dirichlet forms associated with quasiregular mappings	Potential Analysis (2024), DOI: 10.1007/s11118-024-10145-5	Q1
63	L. Beznea, A. Teodor	Positive solutions to semilinear Dirichlet problems with general boundary data	Analysis and Mathematical Physics 14 (2024), Art. No. 39, DOI: 10.1007/s13324-024-00905-2	Q1
64	V. Alexandru, M. Vâjăitu	Galois equivariant functions on Galois orbits in large p-adic fields	Rend. Semin. Math. Univ. Padova 151 (2024), pp. 63-75, DOI: 10.4171/RSMUP/127	Q3
65	M. Maican	On the Hilbert function of a finite scheme contained in a quadric surface	Collectanea Mathematica 75 (2024), Issue 3, pp. 671-691, DOI: 10.1007/s13348-023-00406-8	Q2
66	M. Palmer, X. Wu	Big mapping class groups with uncountable integral homology	Documenta Mathematica vol. 29 (2024), no. 1 pp. 159-189, DOI: 10.4171/DM/938	Q1
67	M. Palmer, X. Wu	On the homology of big mapping class groups	Journal of Topology 17 (2024), no. 4, Art. No. e12358, DOI: 10.1112/topo.12358	Q1
68	M. Cipu, Y. Fujita	On the length of $D(\pm 1)$ -tuples in imaginary quadratic fields	Bull. London Math. Soc. 56 (2024), Issue 1, pp. 274-287, DOI: 10.1112/blms.12929	Q1
69	M. Cipu, A. Dujella, Y. Fujita	Extensions of a Diophantine triple by adjoining smaller elements II	Period. Math. Hungar. 89 (2024), pp. 54-60, DOI: 10.1007/s10998-023-00569-8	Q3
70	M. Pavel	Restriction theorems for semistable sheaves	Doc. Math. Vol. 29 (2024), No. 3, pp. 597-625, DOI: 10.4171/DM/957	Q1
71	M. Pavel	Moduli spaces of slope-semistable pure sheaves	Annales de l'Institut Fourier 74 (2024), no. 5, pp. 2141-2186, DOI: 10.5802/aif.3633	Q1
72	T. Dumitrescu, M. Epure	A Schreier-type property for modules	Journal of Algebra and Its Applications vol. 23 (2024), Issue 06, DOI: 10.1142/S0219498824501251	Q3
73	S. Lippold, M. Staic	Existence of the map \det^{S^3}	Linear Algebra and its Applications vol. 689 (2024), pp. 1-33, DOI: 10.1016/j.laa.2024.02.027	Q2

74	M. Cimpoeaş, A. Teodor	A note on the number of plane partitions and r-component multipartitions of n	Mathematical Communications 29 (2024), Issue 1, pp. 105-115	Q4
75	S. Bălănescu, M. Cimpoeaş	Depth and Stanley depth of powers of the path ideal of a cycle graph	Revista de la Unión Matemática Argentina (2024), DOI: 10.33044/revuma.4641	Q4
76	S. Bălănescu, M. Cimpoeaş	Depth and Stanley depth of powers of the path ideal of a path graph	U.P.B. Sci. Bull. , Series A, 86 (4), 2024, pp. 65-76	Q3
77	M. Cimpoeaş, A. Teodor	A note on plane partition diamonds	U.P.B. Sci. Bull. , Series A, 86 (4), 2024, pp. 131-140	Q3
78	O. Preda, M. Stanciu	Locally conformally Kähler spaces and proper open morphisms	Annals of Global Analysis and Geometry 66 (2024), Issue 1, Art. No. 1, DOI: 10.1007/s10455-024-09959-8	Q2
79	C. Ciulică, A. Otiman, M. Stanciu	Special non-Kähler metrics on Endo-Pajitnov manifolds	Annali di Matematica Pura ed Applicata (2024), DOI: 10.1007/s10231-024-01533-0	Q1
80	M. Barcău, V. Paşol	Computing primitive idempotents in finite commutative rings and applications	Journal of Symbolic Computation , Volume 123 (2024), Art. No. 102294, DOI: 10.1016/j.jsc.2023.102294	Q2
81	N.C. Bonciocat, R. Garg, J. Singh	Some factorization results for bivariate polynomials	Communications in Algebra (2024), 1-14, DOI: 10.1080/00927872.2024.2377390	Q2
82	H. D. Cornean, B. Helffer, R. Purice	Matrix Representation of Magnetic Pseudo-Differential Operators via Tight Gabor Frames	Journal of Fourier Analysis and Applications 30 (2024), Issue 2, Art. No. 21, DOI: 10.1007/s00041-024-10072-4	Q2
83	V. Kharlamov, R. Răşdeaconu	On the Smith-Thom deficiency of Hilbert squares	Journal of Topology 17 (2024), no. 2, Art. No. e12345, DOI: 10.1112/topo.12345	Q1
84	L. Monk, R. Stan	Spectral Convergence of the Dirac Operator on Typical Hyperbolic Surfaces of High Genus	Annales Henri Poincaré (2024), DOI: 10.1007/s00023-024-01452-z	Q2
85	R. Diaconescu	Translation structures for fuzzy model theory	Fuzzy Sets and Systems 480 (2024), Art. No. 108866, DOI: 10.1016/j.fss.2024.108866	Q1

86	S. Catoiu, R. Diaconescu	Generating Symmetric and Alternating Group	Journal of Algebra and its Applications 23 (2024), Issue 8, Art. No. 2550052, DOI: 10.1142/S0219498825500525	Q3
87	R. Dinu, M. Vodička	Phylogenetic degrees for claw trees	Journal of Combinatorial Theory, Series A 206 (2024), Art. No. 105886, DOI: 10.1016/j.jcta.2024.105886	Q1
88	G. P. Panasenko, L. Paoli, R. Stavre	Micropolar fluid-thin elastic structure interaction: variational analysis	Math. Model. Anal. 29 (2024), no. 4, pp. 641-668, DOI: 10.3846/mma.2024.20053	Q1
89	S. Burciu	On Harada's identity and some other consequences	Bull. Belg. Math. Soc. Simon Stevin 31 (2024), Issue 2, pp. 211-219, DOI: 10.36045/j.bbms.231026	Q3
90	S. Burciu, S. Palcoux	Structure constants, Isaacs property and extended Haagerup fusion categories	Communications in Algebra (2024), DOI: 10.1080/00927872.2024.2412181	Q2
91	V. Dragan, I.-L. Popa, S. Aberkane	On the stochastic linear quadratic optimal control problem by piecewise constant controls: The infinite horizon time case	Mathematical Methods in the Applied Sciences 47 (2024), Issue 5, pp. 3734-3762, DOI: 10.1002/mma.9253	Q2
92	V. Dragan, S. Aberkane	The mean-field linear quadratic optimal control problem for stochastic systems controlled by impulses	Asian Journal of Control 26 (2024), Issue 2, pp. 575-583, DOI: 10.1002/asjc.3214	Q2
93	C. Briat, V. Dragan	Corrigendum to "Stability analysis and stabilization of linear symmetric matrix-valued continuous, discrete, and impulsive dynamical systems – A unified approach for the stability analysis	Nonlinear Anal. Hybrid Syst. 53 (2024), Art. No. 101471, DOI: 10.1016/j.nahs.2024.101471	Q1

		and the stabilization of linear systems” [Nonlinear Anal. Hybrid Syst. 46 (2022) 101242]		
94	V. Dragan, I.-L. Popa, S. Aberkane, V. Rasvan	A necessary and sufficient condition for the existence of the stabilizing solution of a large class of discrete-time Riccati type equations with periodic coefficients	Nonlinear Anal. Hybrid Syst. 53 (2024), Art. No. 101490, DOI: 10.1016/j.nahs.2024.101490	Q1
95	V. Dragan, S. Aberkane	Optimal Estimation of a Signal Generated Using a Dynamical System Modeled with McKean-Vlasov Stochastic Differential Equations	Entropy 26 (2024), Issue 6, Art. No. 483, DOI: 10.3390/e26060483	Q2
96	V. Dragan, I.-L. Popa	The Linear Quadratic Optimal Control Problem for Stochastic Systems Controlled by Impulses	Symmetry-Basel 16 (2024), Issue 9, Art. No. 1170, DOI: 10.3390/sym16091170	Q2
97	L. Bary-Soroker, O. Ben-Porath, V. Matei	Probabilistic Galois Theory: The square discriminant case	Bull. London Math. Soc. 56 (2024), Issue 6, pp. 2162-2177, DOI: 10.1112/blms.13049	Q1
98	V. Arul, J. Booher, S. Groen, E. Howe, W. Li, V. Matei, R. Pries, C. Springer	Doubly isogenous genus-2 curves with D_4 -action	Math. Comp. 93 (2024), pp. 347-381, DOI: 10.1090/mcom/3891	Q1
99	L. Cai, V. D. Radulescu	Normalized solutions for (p,q) -Laplacian equations with mass supercritical growth	Journal of Differential Equations 391 (2024), pp. 57-104, DOI: 10.1016/j.jde.2024.01.041	Q1
100	Y. Fang, V. D. Radulescu, C. Zhang	Equivalence of weak and viscosity solutions for the non-	Mathematische Annalen 388 (2024), pp. 2519-2559, DOI: 10.1007/s00208-023-02593	Q1

		homogeneous double phase equation		
101	Q. Li, V. D. Radulescu, W. Zhang	Normalized ground states for the Sobolev critical Schrödinger equation with at least mass critical growth	Nonlinearity 37 (2024), No. 2, Art. No. 025018, DOI: 10.1088/1361-6544/ad1b8b	Q1
102	J. Guo, H. Lopez, V. D. Radulescu	Long-time behavior for the Kirchhoff diffusion problem with magnetic fractional Laplace operator	Applied Mathematics Letters 150 (2024), Art. No. 108977, DOI: 10.1016/j.aml.2023.108977	Q1
103	S. Zeng, V. D. Radulescu, P. Winkert	Nonlocal double phase implicit obstacle problems with multivalued boundary conditions	SIAM J. Math. Analysis 56 (2024), Issue 1, pp. 877-912, DOI: 10.1137/22M1501040	Q1
104	S. Chen, V. D. Radulescu, X. Tang	Multiple normalized solutions for the planar Schrödinger-Poisson system with critical exponential growth	Math. Zeitschrift 306 (2024), Issue 3, Art. No. 50, DOI: 10.1007/s00209-024-03432-9	Q1
105	S. Yuan, V. D. Radulescu, X. Tang, L. Zhang	Concentrating solutions for singularly perturbed fractional (N/s)-Laplacian equations with nonlocal reaction	Forum Mathematicum 36 (2024), pp. 783-810, DOI: 10.1515/forum-2023-0183	Q2
106	X. Dou, X. He, V. D. Radulescu	Multiplicity of positive solutions for the fractional Schrödinger-Poisson system with critical nonlocal term	Bulletin of Mathematical Sciences 14 (2024), Issue 2, Art. No. 2350012, DOI: 10.1142/S1664360723500121	Q1
107	Z. Liu, V. D. Radulescu, J. Zhang	Groundstates of the planar Schrödinger-Poisson system with potential well and lack of symmetry	Proceedings of the Royal Society of Edinburgh Section A: Mathematics 154 (2024), Issue 4, pp. 993-1023 DOI: 10.1017/prm.2023.43	Q1

108	V. T. Nguyen, V. D. Radulescu	Multiple normalized solutions for fractional elliptic problems	Forum Mathematicum 36 (2024), Issue 5, pp. 1225-1248, DOI: 10.1515/forum-2023-0366	Q2
109	V. Ambrosio, V. D. Radulescu	Multiplicity of concentrating solutions for (p,q)-Schrödinger equations with lack of compactness	Israel Journal of Mathematics 262 (2024), Issue 1, pp. 399-447 DOI: 10.1007/s11856-024-2619-8	Q1
110	J. Zuo, J. Zhang, Vicentiu D. Radulescu	Multiplicity and concentration properties for (p,q)-Kirchhoff non-autonomous problems with Choquard nonlinearity	Bull. Sci. Math. 191 (2024), Art. No. 103398, DOI: 10.1016/j.bulsci.2024.103398	Q2
111	T. Gou, V. D. Radulescu	Non-autonomous double phase eigenvalue problems with indefinite weight and lack of compactness	Bull. London Math. Soc. 56 (2024), Issue 2, pp. 734-755, DOI: 10.1112/blms.12961	Q1
112	R. Arora, V. D. Radulescu	Combined effects in mixed local-nonlocal stationary problems	Proceedings of the Royal Society of Edinburgh Section A: Mathematics 154 (2024), pp. 1-47, DOI: 10.1017/prm.2023.80	Q1
113	N. Papageorgiou, V. D. Radulescu, S. Yuan	Nonautonomous double-phase equations with strong singularity and concave perturbation	Bull. London Math. Soc. 56 (2024), Issue 4, pp. 1245-1262, DOI: 10.1112/blms.12991	Q1
114	S. Baraket, B. Dridi, R. Jaidane, V. D. Radulescu	Ground states of weighted 4D biharmonic equations with exponential growth	Mathematical Methods in the Applied Sciences 47 (2024), Issue 6, pp. 5007-5030, DOI: 10.1002/mma.9851	Q2
115	S. Rawat, V. D. Radulescu, K. Sreenadh	Planar Choquard equations with critical exponential reaction and Neumann boundary condition	Mathematische Nachrichten 297 (2024), Issue 10, pp. 3847-3869, DOI: 10.1002/mana.202400095	Q2

116	Y. Li, V. D. Radulescu, B. Zhang	Critical planar Schrödinger-Poisson equations: existence, multiplicity and concentration	Math. Z. 307 (2024), Issue 3, Art. No. 43, DOI: 10.1007/s00209-024-03520-w	Q1
117	W. Zhang, J. Zuo, V. D. Radulescu	Concentration of solutions for non-autonomous double-phase problems with lack of compactness	Z. Angew. Math. Phys. 75 (2024), Issue 4, Art. No. 148, DOI: 10.1007/s00033-024-02290-z	Q2
118	N. S. Papageorgiou, V. D. Radulescu	Some useful tools in the study of nonlinear elliptic problems	Expositiones Mathematicae 42 (2024), Issue 6, Art. No. 125616, DOI: 10.1016/j.exmath.2024.125616	Q2
119	L. Shen, V. D. Radulescu	Concentration of ground state solutions for supercritical zero-mass (N,q)-equations with Choquard reaction	Math. Z. 308 (2024), Issue 4, Art. No. 66, DOI: 10.1007/s00209-024-03620-7	Q1
120	S. Chen, V. D. Radulescu, X. Tang, L. Wen	Planar Schrödinger equations with critical exponential growth	Calc. Var. 63:243 (2024), DOI: 10.1007/s00526-024-02852-z	Q1
121	A. Bahrouni, H. Missaoui, V. D. Radulescu	Nodal solutions for the nonlinear Robin problem in Orlicz spaces	Nonlinear Anal. Real World Appl. 81 (2025), Art. No. 104186, DOI: 10.1016/j.nonrwa.2024.104186	Q1
122	N. S. Papageorgiou, D. Qin, V. D. Radulescu	Singular non-autonomous (p,q)-equations with competing nonlinearities	Nonlinear Anal. Real World Appl. 81 (2025), Art. No. 104225, DOI: 10.1016/j.nonrwa.2024.104225	Q1
123	W. Zhang, J. Zhang, V. D. Radulescu	Semiclassical states for the pseudo-relativistic Schrödinger equation with competing potentials	Communications in Mathematical Sciences , Vol. 23 (2024), No. 2, pp. 465-507, DOI: 10.4310/CMS.241217220205	Q1
124	Y. Zhang, V. D. Radulescu, J. Chen, D. Qin	Concentration and multiplicity of solutions for fractional double phase problems	Proc. Royal Soc. Edinburgh, Sect. A (2024) DOI: 10.1017/prm.2024.84	Q1

125	N. S. Papageorgiou, V. D. Radulescu, W. Zhang	Multiple solutions with sign information for double phase problems with unbalanced growth	Bull. London Math. Soc. (2025), DOI: 10.1112/blms.13218	Q1
126	J. Sun, J. Zhang, V. D. Radulescu, T. F. Wu	Choquard equations with saturable reaction	Calculus of Variations and Partial Differential Equations (2025), DOI: 10.1007/s00526-024-02925-z	Q1
127	D. Lenz, T. Spindeler, N. Strungaru	The (reflected) Eberlein convolution of measures	Indagationes Mathematicae 35 (2024), Issue 5, pp. 959-988, DOI: 10.1016/j.indag.2023.10.005	Q3
128	C. Richard, N. Strungaru	Inter-model sets in \mathbb{R}^d are model sets	Indagationes Mathematicae 35 (2024), Issue 5, pp. 865-889, DOI: 10.1016/j.indag.2023.06.007	Q3
129	D. Lenz, T. Spindeler, N. Strungaru	Pure Point Diffraction and Almost Periodicity	Israel Journal of Chemistry 64 (2024), Issue 10-11, DOI: 10.1002/ijch.202300158	Q2
130	A. C. Cojocaru, A. Hinz, T. Wang	Quantitative upper bounds related to an isogeny criterion for elliptic curves	Bulletin of the London Mathematical Society 56 (2024), Issue 8, pp. 2661-2679 DOI: 10.1112/blms.13091	Q1
131	C. Bereanu	Interactions in the Lorenz force equation	Calculus of Variations and Partial Differential Equations 63 (2024), Issue 2, Art. No. 29, DOI: 10.1007/s00526-023-02635-y	Q1
132	C. Bereanu	Mountain pass periodic solutions for the Lorentz force equation via the Poincaré action functional	Communications in Contemporary Mathematics 27 (2025), Issue 3, DOI: 10.1142/S0219199724500093	Q1
133	M. Ghergu	The stationary Gierer-Meinhardt system in the upper half-space: existence, nonexistence and asymptotics	Mathematische Annalen 390 (2024), Issue 2, pp. 2897-2929, DOI: 10.1007/s00208-024-02820-0	Q1

134	M. Ghergu, C. Li	An integral equation with negative exponent	Discrete and Continuous Dynamical Systems - Series S (2024), DOI: 10.3934/dcdss.2024204	Q1
135	M. Ghergu, Y. Miyamoto	The Gel'fand Problem on Expanding Tubular Domains in \mathbb{R}^2 : Existence and the Morse Index of Solutions	Journal of Geometric Analysis 35 (2025), Issue 1, Art. No. 9, DOI: 10.1007/s12220-024-01843-y	Q1
136	M. Ghergu, J. McNicholl	Steady-states of the Gierer-Meinhardt system in exterior domains	Nonlinearity 38 (2025), Issue 1, Art. No. 015001, DOI: 10.1088/1361-6544/ad8d2d	Q1
137	B. Flamencourt, A. Moroianu	On decomposable LCP structures	Geometriae Dedicata 219 (2024), Issue 1, Art. No. 11, DOI: 10.1007/s10711-024-00971-7	Q3
138	M. Cekić, T. Lefeuvre, A. Moroianu, U. Semmelmann	On the ergodicity of the frame flow on even-dimensional manifolds	Inventiones Math. 238 (2024), pp. 1067-1110, DOI: 10.1007/s00222-024-01297-7	Q1
139	A. Andrada, V. del Barco, A. Moroianu	Locally conformally product structures on solvmanifolds	Annali di Matematica Pura Ed Applicata 203 (2024), Issue 5, pp. 2425-2456, DOI: 10.1007/s10231-024-01449-9	Q1
140	A. Moroianu, M. Pilca	Adapted metrics on locally conformally product manifolds	Proc. Amer. Math. Soc. 152 (2024), Issue 5, pp. 2221-2228, DOI: 10.1090/proc/16706	Q2
141	A. Moroianu, M. Pilca	Einstein metrics on conformal products	Annals of Global Analysis and Geometry 65 (2024), Issue 2, Art. No. 20, DOI: 10.1007/s10455-024-09950-3	Q2
142	D. Petcu	A generalization of Inoue surfaces	Annali di Matematica ed Applicata (2024), DOI: 10.1007/s10231-024-01513-4	Q1
143	F. Condrea, S. Rapaka, L. Itu, P. Sharma,	Anatomically aware dual-hop learning for pulmonary embolism	Computers in Biology and Medicine 174 (2024), Art. No. 108464	Q1

	J. Sperl, M. Ali, M. Leordeanu	detection in CT pulmonary angiograms	DOI: 10.1016/j.compbimed.2024.108464	
144	I. Croitoru, S.-V. Bogolin, M. Leordeanu, H. Jin, A. Zisserman, Y. Liu, S. Albanie	TeachText: CrossModal text-video retrieval through generalized distillation	Artificial Intelligence 338 (2025), Art. No. 104235, DOI: 10.1016/j.artint.2024.104235	Q1
145	D. Coman, G. Marinescu, V.-A. Nguyen	Holomorphic Sections of Line Bundles Vanishing along Subvarieties	Indiana University Mathematics Journal 73 (2024), Issue 2, pp. 493-536	Q1
146	S. Onn, A. Thoma, M. Vladoiu	Asymptotic behavior of Markov complexity	Journal of Pure and Applied Algebra 228 (2024), Issue 6, Art. No. 107589, DOI: 10.1016/j.jpaa.2023.107589	Q2
147	A. Thoma, M. Vladoiu	Self-dual projective toric varieties and their ideals	Collectanea Mathematica (2024), DOI: 10.1007/s13348-024-00459-3	Q2
148	M. Joița	Extremal marginals of an unbounded local completely positive and local completely contractive map	Linear & Multilinear Algebra 73 (2025), Issue 2, pp. 407-426, DOI: 10.1080/03081087.2024.2346835	Q2

Tabel I.2 Articole publicate în reviste indexate Web of Science – Emerging Sources Citation Index sau SCOPUS

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă
1	M. Prunescu, L. Sauras- Altuzarra	An arithmetic term for the factorial function	Examples and Counterexamples , Vol. 5 (2024), Art. No. 100136, DOI: 10.1016/j.exco.2024.100136
2	H. D. Cornean, R. Purice	Spectral regularity with respect to dilations for a class of pseudodifferential operators	Revue Roumaine de Mathématiques Pures et Appliquées 69 (2024), no. 3-4, pp. 445-460 DOI: 10.59277/RRMPA.2024.445.460

3	D. Coman, X. Ma, G. Marinescu	Tian's theorem for Moishezon spaces	Revue Roumaine de Mathématiques Pures et Appliquées 69 (2024), no. 3-4, pp. 433-444 DOI: 10.59277/RRMPA.2024.433.444
4	A. Dimca	On free curves and related open problems	Revue Roumaine de Mathématiques Pures et Appliquées 69 (2024), no. 2, pp. 129-150 DOI: 10.59277/RRMPA.2024.129.150
5	V. Dragan	Duality: detectability versus stabilizability in the stochastic context	Ann. Acad. Rom. Sci. Ser. Math. Appl. Vol.16 (2024), No. 2, pp. 287- 310, DOI: 10.56082/annalsarscimath.2024.2.287
6	D. Tiba, C. Murea	Topological optimization with nonlinear state equation	SeMA (2024) DOI: 10.1007/s40324-024-00371-7
7	M. Cipu, Y. Fujita, M. Mignotte	Diophantine triples with three parameters	Research in Number Theory 10 (2024), Art. No. 44, Issue 2, pp. 1-23, DOI: 10.1007/s40993-024-00530-9
8	I. Chiose	On the invariance of the total Monge-Ampère volume of Hermitian metrics	Annales de la Faculté des sciences de Toulouse: Mathématiques (6) 33 (2024), no. 3, pp. 575-579 DOI: 10.5802/afst.1781
9	C. Ruether	Triviality over schemes	European Journal of Mathematics 10 (2024), Issue 2, Art. No. 69, DOI: 10.1007/s40879-024-00771-z

Tabel I.3 Articole apărute în reviste recunoscute de CNCS sau în volume conference proceedings indexate în baze de date

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă
1	M. Palmer, A. Soulié	Topological representations of motion groups and mapping class groups -- a unified functorial construction	Annales Henri Lebesgue vol. 7 (2024), pp. 409-519, DOI: 10.5802/ahl.204

2	H. Go, D. Găină, I. Țuțu	Forcing, Transition Algebras, and Calculi	51st International Colloquium on Automata, Languages, and Programming (ICALP 2024) , LIPIcs volume 297, no. 143, pp. 1-17, Schloss Dagstuhl, DOI: 10.4230/LIPIcs.ICALP.2024.143 (<i>indexat SCOPUS</i>)
3	C. Anghel, D. Cheptea	Ribbon Structures Derived from Homotopy Leibniz Algebras and Symplectic Lie Pairs	Lie Theory and Its Applications in Physics : Varna, Bulgaria, June 2023 (Springer Proceedings in Mathematics & Statistics, vol. 473) 2024th Edition by Vladimir Dobrev (Editor)
4	M. Masala, D. Ilie-Ablachim, A. Dima, D. Corlatescu, M.-A. Zavelca, O. Olaru, S.-M. Terian, A. Terian, M. Leordeanu, H. Velicu, M. Popescu, M. Dascalu, T. Rebedea	“Vorbești Românește?” A Recipe to Train Powerful Romanian LLMs with English Instructions	In Findings of the Association for Computational Linguistics : EMNLP 2024, pp. 11632-11647, Miami, Florida, USA. Association for Computational Linguistics DOI: 10.18653/v1/2024.findings-emnlp.681
5	D. Tiba, C. Murea, A. Halanay	Some properties of the period for certain ordinary differential systems and applications to topology optimization of variational inequalities	Banach Center Publications 127 (2024), pp. 129-146 DOI: 10.4064/bc127-6
6	L. Beznea	Greșeli în matematică	Didactica Matematică , Anul XIV, Nr. 1, pp. 1-6, 2024

II. CĂRȚI PUBLICATE ÎN ANUL 2023

Tabel II.1 Cărți/tratate/monografii/studii

Nr. Crt.	Autori sau editori	Titlul cărții	Editura	Număr pagini	Anul	ISBN
1	Liviu Ornea, Misha Verbitsky	Principles of Locally Conformally Kähler Geometry	Birkhäuser Cham (Progress in Math. 353)	736	2024	978-3-031-58119-9 (hard) 978-3-031-58122-9 (soft)
2	Marian Anton, Karen Santoro	Math Foundations Student Workbook	Kendall Hunt Publishing	148	2024	979-8-765-78083-1
3	Marian Anton, Karen Santoro	Math Foundations	Kendall Hunt Publishing	180	2024	979-8-765-78085-5

Tabel II.2 Capitle de cărți/tratate/monografii

Nr. Crt.	Autorii capitolului	Titlul capitolului	Titlul și editorii cărții	Număr pagini	Editura	ISBN
1	Gao, Zhao; Raicu, Claudiu; VandeBogert, Keller	Some questions arising from the study of cohomology on flag varieties	Open problems in algebraic combinatorics. Edited by Christine Berkesch, Benjamin Brubaker, Gregg Musiker, Pavlo Pylyavskyy and Victor Reiner	333-348	American Mathematical Society	9781470473334
2	George Turcaș	On the p-Isogenies of Elliptic Curves with Multiplicative Reduction Over Quadratic Fields	New Frontiers in Number Theory and Applications. Trends in Mathematics, Edited by Guàrdia, J., Minculete, N., Savin, D., Vela, M., Zekhnini, A.	411-425	Birkhäuser Cham	978-3-031-51958-1 DOI: 10.1007/978-3-031-51959-8_19

3	Delia Ionescu-Kruse	Nonlinear Water Waves and Wave-Current Interactions at Arbitrary Latitude	Nonlinear Dispersive Waves, Editor David Henry	201-216	Birkhäuser	978-3-031-63511-3 DOI: 10.1007/978-3-031-63512-0_9
4	M. Barcău, G. Gugulea, C. Lupașcu, V. Pașol, M. Togan, G. Țurcaș	Beyond Quantum Threats: Bridging Fully Homomorphic Encryption Schemes	Ed.: Rainer Steinwandt, Andre Xuereb, Volume 64: Toward a Quantum-Safe Communication Infrastructure	116-126	IOS Press	978-1-64368-498-7 DOI: 10.3233/NICSP240012
5	Dragoș Manea	De la creierul uman la rețele neuronale - bazele inteligenței artificiale	Petru Dimitriu, Andrei Marin (ed.) - „Inteligența artificială. Cum? De când? De ce?”	67-98	Editura DOTA	978-606-37-2245-5 978-606-9664-20-9

III. PRODUSE, TEHNOLOGII, METODOLOGII, BEVETE, STUDII TEORETICE, RAPOARTE DE INTERES PUBLIC

Nr. Crt.	Detalii produs/tehnologie/brevet
1	B. Ichim, Consultanta acordata către Universitatea de Stat din Moldova privind introducerea cursului de "Machine Learning" in cadrul programului de master "Inteligența Artificială și Data Science", 01.07.2024 – 08.10.2024
2	Buliga, M. (2024). Graph quines in chemlambda. Experiments with chemlambda-gui. Zenodo. https://doi.org/10.5281/zenodo.14175237 (Scientific Software)
3	Buliga, M. (2024). chemlambda-gui, a repository of programs for simulation of chemlambda chemistries. Zenodo. https://doi.org/10.5281/zenodo.14110001 (Scientific Software)
4	Buliga, M. (2024). Senescence of artificial life forms: Case of the 9-quine and its hybrids. Zenodo. https://doi.org/10.5281/zenodo.14175244 (Scientific Software)

IV. CITĂRI

În anul 2024 s-au acumulat peste 2237 de citări, marea majoritate din reviste indexate Web of Science.

Notă: Se exclud autocitările, citările la teze de doctorat sau dizertații. Nu se includ citările acumulate din preprinturi, chiar dacă sunt disponibile pe arXiv. Se includ doar citările acumulate în anul 2024 în următoarele baze de date: Web of Science, SCOPUS, IEEE, reviste indexate CNCS (A sau B) și cărți.

V. PREPRINTURI ELABORATE ÎN 2024

Nr. Crt.	Autori	Referințe preprint	Link către sursă (e.g. arXiv)
1	L. Beznea, I. Cîmpean, M. Röckner	Construction of Hunt processes by the Lyapunov method and applications to generalized Mehler semigroups	arXiv:2410.04861
2	L Beznea, O. Lupașcu-Stamate, A. Teodor	Nonlinear Dirichlet problem of non-local branching processes	arXiv:2410.16988
3	L. Beznea, M. Bezzarga, I. Cîmpean	Continuous flows driving Markov processes and multiplicative L^p -semigroups	arXiv:2411.09407
4	A.L. Agore, A.S. Gordienko, J. Vercruysse	Lifting of locally initial objects and universal (co)acting Hopf algebras, 49 pagini	arXiv:2406.17677
5	A.L. Agore, A.S. Gordienko, J. Vercruysse	Dualities for universal (co)acting Hopf monoids, 49 pagini	arXiv:2406.17684
6	A. Macinic	Deletion-addition of a smooth conic for free curves	arXiv:2408.11714

7	P. Pinto, A. Sipoş	Products of hyperbolic spaces	arXiv:2408.14093
8	A. Acharya, B. Stroffolini, A. Zarnescu	Variational Dual Solutions for Incompressible Fluids	arXiv:2409.04911
9	E. Fereisl, A. Roy, A. Zarnescu	On the effect of a large cloud of rigid particles on the motion of an incompressible non--Newtonian fluid	arXiv:2404.06782
10	F. De Anna, A. Schloemerkerper, A. Zarnescu	Colloidal Homogenisation for the Hydrodynamics of Nematic Liquid Crystals	arXiv:2403.08520
11	M. Bravin, E. Feireisl, A. Roy, A. Zarnescu	On the collective effect of a large system of heavy particles immersed in a Newtonian fluid	arXiv:2407.08595
12	D. Golovaty, J. Taylor, R. Venkatraman, A. Zarnescu	Interaction energies in paranematic colloids	arXiv:2308.06331
13	B. Ichim, J. Moyano	On the consistency of the score sheets of a round-robin football tournament	arXiv:2208.12372
14	I. Macías Tarrío, C. Spiridon, A. Stenică	Brill-Noether loci on an Enriques surface covered by a Jacobian Kummer surface	arXiv:2409.17837
15	Cipriana Anghel	On the spectrum of the Dirac operator on degenerating Riemannian surfaces	arXiv:2409.05616
16	A. Kyomuhangi, E. Marangone, C. Raicu, E. Reed	Cohomology on the incidence correspondence and related questions	arXiv:2411.13450
17	J. Anderson, F. P. Boca, C. Cobeli, A. Zaharescu	Angular distribution towards the points of the neighbor-flips modular curve seen by a fast moving observer	arXiv:2312.14993

18	R. N. Bhat, C. Cobeli, A. Zaharescu	A lozenge triangulation of the plane with integers	arXiv:2403.10500
19	C. Cobeli, A. Zaharescu	On the trajectories of a particle in a translation invariant involutive field	arXiv:2403.14894
20	C. Cobeli, A. Raghavan, A. Zaharescu	On the central ball in a translation invariant involutive field	arXiv:2408.01864
21	C. Cobeli, A. Zaharescu	Super-regular polytopes in cyclotomic hypercubes	arXiv:2410.14473
22	C. Cobeli, M. Prunescu, A. Zaharescu	On non-holonomicity, transcendence and p-adic valuations	arXiv:2412.16517
23	Cristina Anghel	Universal coloured Alexander invariant from configurations on ovals in the disc	arXiv:2401.17245
24	Cristina Anghel, Christine Lee	A topological model for the HOMFLY-PT polynomial	arXiv:2405.03679
25	D. Tiba, C. Murea	Topology optimization and boundary observation for clamped plates	arXiv:2310.11905
26	D. Popescu	Filtered colimits of complete intersection algebras	arXiv:2412.16237v1
27	M. van Dissel, P. Gora, D. Manea	A Payne-Whitham model of urban traffic networks in the presence of traffic lights and its application to traffic optimisation	arXiv:2401.04436

28	T. Crin-Barat, D. Manea	Asymptotic-preserving finite difference method for partially dissipative hyperbolic systems	arXiv:2404.06380
29	M. Bucataru, D. Manea	Discrete Laplacians on the hyperbolic space - a compared study	arXiv:2409.01211
30	F. Ambro	Successive vanishing on curves	arXiv:2405.20924
31	F. Ambro	Classification of toric surface singularities	arXiv:2407.19731
32	F. Panaite	L-R-crossed products	arXiv:2410.08429
33	F. Panaite	Two-sided crossed products	arXiv:2410.14908
34	I. Beltiță, D. Beltiță	The C^* -algebras of completely solvable Lie groups are solvable	arXiv:2412.13923
35	I. Beltiță, D. Beltiță	C^* -rigidity of the Heisenberg group	arXiv:2407.09937
36	I. Cîmpean, A. Grecu, L. Marin	Numerical spectral analysis of Cauchy-type inverse problems: A probabilistic approach	arXiv:2409.03686
37	I. Coanda	On the spectrum of a stable rank 2 vector bundle on P^3	arXiv:2401.10783
38	L. Maxim, J. Schürmann	Weighted Ehrhart theory via equivariant toric geometry	arXiv:2405.02900
39	L. Maxim, J. Schürmann	Weighted Ehrhart theory via mixed Hodge modules on toric varieties	arXiv:2403.17747
40	L. Ornea, M. Verbitsky	The Lee-Gauduchon cone on complex manifolds	arXiv:2411.05595
41	L. Ornea, M. Verbitsky	Balanced metrics and Gauduchon cone of locally conformally Kahler manifolds	arXiv:2407.04623
42	M. Aprodu, L. Filimon	Sections of K3 surfaces with Picard number two and Mercat's conjecture	arXiv:2401.08389

43	M. Aprodu, Y. Kim	Resonance, syzygies, and rank-3 Ulrich bundles on the del Pezzo threefold V_5	arXiv:2404.12051
44	M. Aprodu, A. Bruno, E. Sernesi	The second syzygy schemes of curves of large degree	arXiv:2409.11855
45	M. Maican	The relevant domain of the Hilbert function of a finite multiprojective scheme	arXiv:2408.03477
46	M. Buliga	A reformulation of the Symplectic Brézis-Ekeland-Nayroles principle. figshare. https://doi.org/10.6084/m9.figshare.27619437.v1	
47	M. Palmer, X. Wu	Compact and finite-type support in the homology of big mapping class groups	arXiv:2405.03512
48	T. Dumitrescu, M. Epure , A. Gica	Lifting multiplicative lattices to ideal systems	arXiv:2401.14001
49	M. Pavel, M. Toma	Slope-semistability and moduli of coherent sheaves: a survey	arXiv:2407.13485
50	M. Pavel, M. Toma	Moduli spaces of slope-semistable sheaves with reflexive Seshadri graduations	arXiv:2407.06819
51	M. Pavel, J. Ross, M. Toma	Uniform boundedness of semistable pure sheaves on projective manifolds	arXiv:2403.12855
52	D. Mégy, M. Pavel, M. Toma	Semistability conditions defined by ample classes	arXiv:2402.07758v2
53	M. Prunescu, L. Sauras-Altuzarra	On the representation of number-theoretic functions by arithmetic terms	arXiv:2407.12928
54	M. Prunescu, L. Sauras-Altuzarra	On the representation of C-recursive integer sequences by arithmetic terms	arXiv:2405.04083

55	M. Prunescu	On other two representations of C-recursive integer sequences by terms in modular arithmetic	arXiv:2411.06430
56	M. Prunescu, J. Shunia	Arithmetic-term representations for the greatest common divisor	arXiv:2411.06430
57	M. Prunescu, J. Shunia	On arithmetic terms expressing the prime-counting function and the n-th prime	arXiv:2412.14594
58	C. Cobeli, M. Prunescu, A. Zaharescu	On non-holonomicity, transcendence and p-adic valuations	arXiv:2412.16517
59	M. D. Staic	The r-equilibrium Problem	arXiv:2405.10407
60	M. J. Fyfe, S. R. Lippold, M. D. Staic, A. Stancu	Twin-star hypothesis and cycle-free d-partitions of K_{2d}	arXiv:2407.13959
61	S. Bălănescu, M. Cimpoeaş, T. Vu	Graded Betti numbers of powers of path ideals of paths	arXiv:2405.04747
62	D. Bălănescu, M. Cimpoeaş, T. Vu	Betti numbers of powers of path ideals of cycles	arXiv:2404.17880
63	A. I. Bordianu, M. Cimpoeaş	Comparing Hilbert depth of I with Hilbert depth of S/I	arXiv:2403.17078
64	M. Cimpoeaş	Weak almost monomial groups and Artin's conjecture	arXiv:2409.05629
65	O. Preda, M. Stanciu	Vaisman's theorem and local reducibility	arXiv:2405.04162
66	R. Barbulescu, M. Barcau, V. Paşol	A comprehensive analysis of Regev's quantum algorithm	https://eprint.iacr.org/2024/1758

67	N. C. Bonciocat, R. Garg, J. Singh	Some factorization results for bivariate polynomials	arXiv:2402.02324
68	H. D. Cornean, B. Helffer, R. Purice	A rigorous Peierls-Onsager effective dynamics for semimetals in long-range magnetic fields	arXiv:2411.14171
69	H. D. Cornean, R. Purice	Spectral regularity with respect to dilations for a class of pseudodifferential operators	arXiv:2411.14824
70	R. Diaconescu	Computational modelling for combinatorial game strategies.	arXiv:2408.03955
71	R. Dinu, N. Shibu Deepthi	(S2)-condition of edge rings for cactus graphs	arXiv:2402.17413
72	R. Dinu, M. Vodička	Phylogenetic degrees for Jukes-Cantor model	arXiv:2405.20184
73	C. Améndola, R. Dinu, M. Michałek, M. Vodička	On the maximum likelihood degree for Gaussian graphical models	arXiv:2410.07007
74	S. Burciu	Frobenius-Perron Dimensions of Conjugacy Classes and an Ito-Michler-Type Result in Modular Fusion Categories	arXiv:2410.05709
75	L. B. Soroker, D. Garzoni, V. Matei	On the irreducibility of $f(2^n, 3^m, X)$ and other such polynomials	arxiv: 2405.04058
76	C. Lupu, V. Matei	On some rational zeta series involving $\zeta(2n)$ and binomial coefficients	arXiv:2409.16187
77	F. Belgun, A. Moroianu	Projective structures on curves and conformal geometry	arXiv:2502.13702
78	B. Flamencourt, A. Moroianu	Conformal vector fields on LCP manifolds	arXiv:2412.17060

79	A. Moroianu, U. Semmelmann, G. Weingart	Quaternion-Kähler manifolds with non-negative quaternionic sectional curvature	arXiv:2412.00385
80	A. Moroianu, P. Schwahn	Submersion constructions for geometries with parallel skew torsion	arXiv:2409.14421
81	V. del Barco, A. Moroianu	The structure of locally conformally product Lie algebras	arXiv:2404.17956
82	A. Mellit, A. Minets, O. Schiffmann, E. Vasserot	Coherent sheaves on surfaces, COHAS and deformed $W_{1+\infty}$ -algebras	arXiv:2311.13415
83	D.-E. Diaconescu, M. Porta, F. Sala, O. Schiffmann, E. Vasserot	Cohomological Hall algebras of one-dimensional sheaves on surfaces and Yangians	arXiv:2502.19445
84	P. Gille, E. Neher, C. Ruether	The norm functor over schemes	https://hal.science/hal-04399243
85	P. Gille	Loop torsors and Abhyankar lemma	https://hal.science/hal-04621048
86	P. Gille, R. Parimala	Local-global principle for over semiglobal fields	https://hal.science/hal-04622078
87	V. Chernousov, P. Gille, A. Pianzola	Loop torsors. theory and applications	https://hal.science/hal-04823360

VI. PREMII

Nr. Crt.	Cercetator	Denumire premiu/distincție/titlu
1	Claudiu Raicu	Premiul "Lucian Bădescu"
2	Alexandra Otiman	Premiul "Gheorghe Țițeica" al Academiei Române
3	Cristian Sminchișescu	Premiul "Mihai Drăgănescu" al Academiei Române

4	Andrei Sipoș	Premiul “Simion Stoilow” al Academiei Române
5	Vicențiu Rădulescu	Award of the Prime Minister of Poland for highly advanced research, Cancelaria Primului Ministru al Poloniei
6	Liviu Ornea	Premiul Senatului Universității din București pentru cea mai bună carte (L. Ornea, M. Verbitsky, <i>Principles of Locally conformal Kähler Geometry</i> , Progress in Math. 353, Birkhäuser, 2024, ISBN 978-3-031-58119-9)

VII. LUCRĂRI ȘI COMUNICĂRI PREZENTATE LA MANIFESTĂRI ȘTIINȚIFICE

Tabel VII.1 Lucrări invitate (invited speaker) la manifestări științifice naționale sau internaționale

Nr. Crt.	Cercetător	Titlul prezentării	Detalii conferință/workshop
1	Ana Agore	Solutions of the set-theoretic Yang-Baxter equation of Frobenius-Separability type	European Non-Associative Algebra Seminar, October 7, 2024 (online)
2		Frobenius-Separability type solutions of the set-theoretic Yang-Baxter equation	IMAR Monthly Lecture, November 20, 2020
3	Anca Măcinic	Line arrangements and their combinatorics	Research School Topology and Algebra of Singularities and their Applications, Univ. Ovidius din Constanța, 13 septembrie 2024
4		Freeness-type properties and combinatorics of line arrangements	Oberseminar Algebra, Zahlentheorie und Diskrete Mathematik, Institut für Algebra, Zahlentheorie und Diskrete Mathematik, Leibniz Universität Hannover, Germania, 21 noiembrie 2024

5	Bogdan Ichim	Computations of probabilities in five candidates elections	Instituto Universitario de Matemáticas y Aplicaciones de Castellón de la Universitaea Jaume I din Castellón, Spania, 20 noiembrie 2024
6	Lucian Beznea	A life time of Potential Theory in Bucharest	Analysis and Potential, IMAR, January 23-26, 2024
7		Strong Feller semigroups and Markov processes	One-parameter Semigroups of Operators 2024: Stochastics & Dynamics, Univ. Laval, Canada, June 3-7, 2024 (online)
8		Positive solutions to semilinear Dirichlet problems with general boundary data	XIV International Conference of the Georgian Mathematical Union, Batumi, Georgia, September 2-7, 2024 (online)
9		Nonlinear Dirichlet forms associated with quasiregular mappings	Oberwolfach Workshop Recent Developments in Dirichlet Form Theory and Related Fields, Oberwolfach, Germany, September 16-20, 2024
10		Multiplicative L^p -semigroups and continuous flows	CSM 60 Conference, ISMMA, Bucharest, October 15, 2024
11		Quasi-regular Dirichlet forms and multiplicative semigroups on L^p	Atelier de travail AUF: Theorie du potentiel et probabilités, Univ. de Tunis, Tunisia, November 8, 2024
12		Nonlinear Dirichlet forms and the p -Laplace operator	Research in Pairs in Bucharest Workshop, POLITEHNICA Bucharest, November 15, 2024
13		Quasi-regular Dirichlet forms and multiplicative semigroups on L^p	Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Babes-Bolyai University, November 29-December 1, 2024
14		Positive solutions to semilinear Dirichlet problems with general boundary data	Stochastic Analysis Group, Bielefeld University, Germany, December 11, 2024
15		Delia Ionescu-Kruse	Nonlinear two-dimensional water waves with arbitrary vorticity

16	Alexandru Popa	On the fourth moment of quadratic Dirichlet L-functions over function fields	Automorphic Forms în Budapest 2024, Alfréd Rényi Institute of Mathematics, Budapest, Hungary, 26-30 august 2024
17		Moments of quadratic Dirichlet L-functions over function fields	IMAR 75, 27-28 september 2024
18	Andrei Sipoș	An exploration of proof mining (three-part tutorial)	Logic Colloquium 2024, Universitatea din Goteborg, Suedia, 27-28 iunie 2024
19		Products of hyperbolic spaces	WPM24 – Workshop on Proof Mining 2024, TU Darmstadt, Germania, 6 septembrie 2024
20		Proof mining and the boundaries of finitary reasoning	The Limits of Incompleteness Workshop, Universitatea Babeș-Bolyai din Cluj-Napoca, 22 noiembrie 2024
21	Arghir Zărnescu	Variational dual solutions for incompressible fluids	Nonlinear PDEs, calculus of variations and applications, University of Sussex, Marea Britanie, 25 iunie 2024
22		Introduction into the mathematics of soft matter	BIRS Workshop: Mathematical Analysis of Soft Matter, Banff, Canada, 1 iunie 2024 (online)
23		On a variational approach to the study of incompressible fluids	Trends and perspectives in the analysis of PDEs, U Roma I, La Sapienza, Roma, Italia, 17 septembrie 2024
24		An Introduction into Variational Dual Solutions for Incompressible Fluids	AMAED Fest'24, U. de Cantabria, Santander, Spania, 24 septembrie 2024
25		On a variational approach to Euler and Navier-Stokes	Scottish-Basque Meeting on Analysis, Maxwell Institute, U. of Edinburgh, Marea Britanie, 29 septembrie 2024
26		On the effect of a large cloud of rigid particles on the motion of on a incompressible fluid	Mathematics of fluids in motion: Recent results and trends, CIRM Workshop, Marsilia, Franța, 12 noiembrie 2024

27	Aurelian Gheondea	Symmetries versus Conservation Laws in Dynamical Quantum Systems	Workshop on Harmonic Analysis and Operator Theory, Istanbul University, Turcia, 29 iulie 2024
28		Simetrii și legi de conservare în sisteme dinamice cuantice: O abordare prin propagarea punctelor fixe	170 de ani de la nașterea lui David Emanuel, Academia Română, București, 23 octombrie 2024
29		Partially Positive Semidefinite Maps on *-Semigroupoids	Workshop Dedicated to Gabriela Kohr, 4th Edition, Universitatea Babeș-Bolyai, 30 noiembrie 2024
30	Cezar Joița	Tame deformations of highly singular function germs	Real Singularities in Spring, Université de Lille, Franta, 26 martie 2024
31		What is the image of an analytic map germ?	Complex Singularities in Spring, Université de Lille, Franta, 15 aprilie 2024
32		Tame deformations of highly singular function germs.	Complex Singularities in Spring, Université de Lille, Franta, 16 aprilie 2024
33	Liana David	Classification of odd generalized Einstein metrics on 3-dimensional Lie groups	Generalized Geometry Meets String Theory, Universitatea din Granada, Spania, 12-17 mai 2024
34		Generalized complex structures: an overview on their integrability	Lucrarile seminarului SFB Higher Invariants – Interactions between Arithmetic and Global Analysis, Universitatea din Regensburg, Germania, 2 iulie 2024
35		Darboux theorem for generalized complex structures on transitive Courant algebroids	Generalized complex structures and homological methods, Universitatea din Hamburg, Germania, 23-27 septembrie 2024
36	Liviu Ornea	Special Hermitian metrics	IMAR 75 - anniversary conference, 28 septembrie 2024
37	Marian Aprodu	Resonance and vector bundles	Szyzygies and Hilbert Schemes, Jagiellonian University, Cracovia, Polonia, 24-28 septembrie 2024

38	Cipriana Anghel	On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Lie theory, Geometry and Analysis seminar, Université de Lorraine, Metz, Franța, 4 aprilie 2024
39		On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Oberseminar Analysis-Numerik, Universität Oldenburg, Oldenburg, Germania, 27 iunie 2024
40		On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Operator Theory 29, Universitatea de Vest, Timișoara, 4 iulie 2024
41		On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Aspect'24 "Asymptotic Analysis & Spectral Theory", Université de Lorraine, Metz, Franța, 24 septembrie 2024
42		On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Oberseminar Global Analysis, Universität Regensburg, Regensburg, Germania, 4 noiembrie 2024
43	Dan Tiba	Penalization approaches in shape and topology optimization	Expunere la Accademia Peloritana dei Pericolanti, Univ. of Messina, Italia, 24 aprilie 2024
44		Penalization of stationary Navier-Stokes equations and applications in topology optimization	Emerging Trends in Applied Mathematics and Mechanics 20, Univ. La Coruna, Spania, 23 mai 2024
45		Periodic Hamiltonian systems and applications in shape/topology optimization	Seminar Dept. Math., Univ. Wuerzburg, Germania, 12 septembrie 2024
46	Mihai Prunescu	$P \neq NP$ for infinite boolean rings	Workshop on Mathematics of small data analysis, Zuse Institut Berlin, Germania, 17-19 ianuarie 2024
47	Mihai Staic	Determinant-like Maps and Applications	Quantum groups, category theory and related topics, Universitatea din București, 20-22 mai 2024

48	Eugen Mihăilescu	Thermodynamic formalism and dimension for a class of random systems	Dynamical Systems and Fractal Geometry, Univ North Texas, Denton, USA, 14-17 mai 2024
49		Dimension for invariant measures for a class of skew product maps with singularities	Geometry of Deterministic and Random Fractals II, Erdős Center, Rényi Institute of Mathematics, Budapesta, Ungaria, 2-6 septembrie 2024
50	Florin Ambro	On toric Fano fibrations	Higher dimensional Algebraic Geometry, UC San Diego, SUA, 13 ianuarie 2024
51		On toric Fano fibrations	Birational geometry and Fano varieties, Steklov IMC/Moscow, Russia, 12 martie 2024
52		On toric Fano fibrations	International Congress of Basic Science, Beijing, China, 16 iulie 2024
53	Vicențiu Rădulescu	Automorphic forms design of free group factors and quantum dynamics	Seminaire d'Algebres des Operateurs, Institut Mathematiques de Jussieu rive Gauche, Franța, 21 martie 2024
54		Automorphic forms design of free group factors and quantum dynamics	Operator Theory 29 Conference, Univ. de Vest, Timișoara, 1 iulie 2024
55	Ingrid Belțiță	C* -Rigidity of Certain Solvable Lie Groups	Harmonic Analysis and Operator Theory, Istanbul University, 29–31 iulie, 2024
56		C* -Rigidity of Certain Exponential Lie Groups	Seminar online "Representation Theory & Noncommutative Geometry", seria "This is What I Do", Representation Theory & Noncommutative Geometry, An AIM Research Community, sponsorizată de AIM și NSF, 20 martie 2024
57	Liviu Păunescu	Examples of countable groups stable în permutations	A 29-a conferința internațională în Teoria Operatorilor, Univ. de Vest, Timișoara, 1-5 iulie 2024
58		Permutation and Hilbert-Schmidt Stability	IMAR 75 - anniversary conference, 28 septembrie 2024

59	Laurențiu Leuștean	Proof mining and applications in nonlinear analysis and optimization	IMAR 75 - anniversary conference, 28 septembrie 2024
60		Proof mining and asymptotic regularity	Workshop on Proof Mining, Technische Universität Darmstadt, Darmstadt, Germania, 6 septembrie 2024
61		Proof mining and asymptotic regularity	Mathematical Logic Seminar, Universidade de Lisboa, Lisabona, Portugalia, 5 noiembrie 2024
62	Iulian Cîmpean	From Monte Carlo to neural network approximations of boundary value problems	Journees de Theorie du Potentiel et d'Equations aux Derivees Partielles, Hammamet, Tunisia, 6-7 ianuarie 2024
63		A potential theoretic construction of Hunt processes associated to generalized Dirichlet forms	Analysis and Potential, on the Anniversary of Gheorghe Bucur, IMAR, 23-26 ianuarie 2024
64		Lyapunov functions and Hunt processes associated to generalized Mehler semigroups	The conference of the Romanian society of Probability and Statistics, Univ. Politehnică din Timișoara, 10-11 mai 2024
65		Construction of Hunt processes by the Lyapunov method and applications to generalized Mehler semigroups	The 16th French Romanian Colloquium, POLITEHNICA București, 26-30 august 2024
66		Construction of Hunt processes by the Lyapunov method and applications to generalized Mehler semigroups	Oberwolfach workshop: Recent Developments in Dirichlet Form Theory and Related Fields, Germania, 15-20 septembrie 2024
67		Numerical spectral analysis of Cauchy-type inverse problems: A probabilistic approach	Statistical Modeling with Applications, Belgrad, Serbia, 24-25 septembrie 2024

68		umerical spectral analysis of Cauchy-type inverse problems: Aprobabilistic approach	Workshop Center of Mathematical Statistics 60, ISMMA, București, 15 octombrie 2024
69		Numerical spectral analysis of Cauchy-type inverse problems: A probabilistic approach	Workshop at Tunis University, Tunisia, 8 noiembrie 2024
70		From time-dependent Fokker-Plank equations to conservative diffusion processes through generalized Dirichlet forms	Analysis and geometry on Dirichlet spaces, Hammamet, Tunisia, 4-7 noiembrie 2024
71		Construction of Hunt processes by the Lyapunov method and applications to generalized Mehler semigroups	Stochastic Analysis Group seminar, Bielefeld University, 11 decembrie 2024
72	Lori Badea	Convergence of classical and multilevel variants of the Uzawa algorithm for general saddle point problems	The 16th French-Romanian Colloquium on Applied Mathematics, POLITEHNICA București, 26-30 august 2024
73	Martin Palmer-Anghel	Do the dual Miller-Morita-Mumford classes vanish in the homology of the big mapping class group?	Workshop for Young Researchers in Mathematics, Universitatea Alexandru Ioan Cuza din Iași, 24 mai 2024
74		Homology of big mapping class groups supported on compact subsurfaces	Topology of moduli spaces, Universitatea din Copenhaga, Danemarca, 20 august 2024
75	Ovidiu Preda	Properties of locally conformally Kähler spaces	Workshop Parapluie Angers, Angers University, Angers, 17-19 aprilie 2024

76	Mihai Cipu	Explicit formulas for the solutions of simultaneous Pell equations	Workshop on Formulas in Number Theory, IMAR, 14 februarie 2024
77		Diophantine tuples and elliptic curves	IMAR Monthly Lecture, 19 iunie 2024
78	Daniel Belțiță	Grupuri Lie în analiza matematică	170 de ani de la nașterea lui David Emanuel, Academia Română, București, 23 octombrie 2024
79	Dan Timotin	David Emanuel: un întemeietor	170 de ani de la nașterea lui David Emanuel, Academia Română, București, 23 octombrie 2024
80	Radu Purice	Some results in the spectral analysis of quantum Hamiltonians with magnetic fields	Trans-Carpatian Seminar on Geometry and Physics, Polonia, 13 martie 2024 (online)
81		Analyse spectrale des familles de Bloch isolés dans un champ magnétique régulier	The 16th French-Romanian Colloquium on Applied Mathematics, POLITEHNICA București, 26-30 august 2024
82	Raluca Tanase	On the dynamics of polynomial automorphisms of C^2	IMAR75 – a conference celebrating the 75th anniversary of the Institute of Mathematics of the Romanian Academy, 28 septembrie 2024
83	Remus Radu	On the dynamics of complex Hénon maps	Complex Analysis, Geometry, and Dynamics III – Portorož, Slovenia, 10-14 iunie 2024
84		Dinamica complexă în mai multe variabile	Conferința Lunară a FMI, Universitatea din București, 29 februarie 2024
85	Vasile Drăgan	Linear differential (difference) equations with positive evolutions on an ordered Hilbert space. Applications to stochastic control problems	Romanian Itinerant Seminar on Mathematical Analysis and its Applications (RISMAA) the 6th edition, Universitatea Babeș-Bolyai, 30-31 mai 2024

86	Rareș Stan	Uniform Weyl laws and the Selberg zeta function on degenerating hyperbolic surfaces	Oberseminar topology-geometry, University of Göttingen, Göttingen, Germany, 29 octombrie 2024
87		The Selberg Zeta Function on Degenerating Hyperbolic Surfaces	Geometry seminar, University of Oldenburg, Oldenburg, Germany, 12 decembrie 2024
88	Rodica Dinu	Algebraic degrees of phylogenetic varieties	Algebra Seminar, University of Messina, Italia, 20 mai 2024
89		Algebraic degrees of phylogenetic varieties	Arrangements, Matroids and Logarithmic Vector Fields, Oberwolfach, Germania, 18 iunie 2024
90		Algebraic degrees of phylogenetic varieties	Seminar: Real Algebra and Geometry, Universitatea din Konstanz, Germania, 12 iulie 2024
91	Vicențiu Pașol	Some remarks on deeply ramified extension	International Conference on Mathematics and Computer Science (MACOS 2024), Transilvania University of Brașov, 14 iunie 2024

Tabel VII.2 Comunicări orale (talks) prezentate la manifestări științifice internaționale

Nr. Crt.	Cercetător	Titlul prezentării	Detalii conferință/workshop
1	Andrei Sipoș	Products of hyperbolic spaces	DVMLG Colloquium Logicum 2024, TU Wien, Viena, Austria, 9 octombrie 2024
2	Cirpriană Anghel	On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Spring School "Zeta functions, dynamics and analytic number theory", University of Göttingen, Göttingen, Germania, 20 martie 2024
3		On the Spectrum of the Dirac operator on degenerating Riemannian surfaces	Workshop for Young Researchers in Mathematics, Universitatea Alexandru Ioan Cuza din Iași, 24 mai 2024

4	Dragoș Manea	A Payne–Whitham model of urban traffic networks in the presence of traffic lights	Final Conference of the Action „Mathematical Models for Interacting Dynamics on Networks”, University of Minho, Braga, Portugalia, 9 februarie 2024
5		Discrete Laplacians on the hyperbolic space – a compared study	The 16th French Romanian Colloquium, POLITEHNICA București, 29 august 2024
6	Florin Ambro	On toric Fano fibrations	Algebraic Geometry Seminar, Tsinghua Univ/Beijing, China, 10 mai 2024
7		On toric Fano varieties	Workshop ”A celebration of Fano varieties and singularities”, Tsinghua Univ/Beijing, China, 23 mai 2024
8		On the moduli part of adjunction	Algebraic Geometry Seminar, Morningside Center of Mathematics, Chinese Academy of Sciences/Beijing, China, 12 iunie 2024
9		Classification of toric surface singularities	Algebraic Geometry Seminar, Univ. Milano, Italia, 26 noiembrie 2024
10	Ingrid Beltiță	Open coadjoint orbits and representations of C^* -algebras of solvable Lie groups	60th Seminar Sophus Lie, Institute of Mathematics, Paderborn, Germania, 16-19 September 2024
11	Laurențiu Leuștean	Proof mining and the viscosity approximation method	Logic Colloquium, University of Gothenburg, Göteborg, Suedia, 25 iunie 2024
12		Proof mining and asymptotic regularity	Colloquium Logicum, Austrian Academy of Sciences, Viena, Austria, 9 octombrie 2024
13	Liviu Ignat	Large-time behaviour for anisotropic stable nonlocal diffusion problems with convection	XIII Forum of Partial Differential Equations, Bedlewo, Polonia, 23-26 iunie 2024
14		Approximations of the best constants	The 16th French Romanian Colloquium, POLITEHNICA București, 29 august 2024
15	Mihai Pavel	Semistability conditions defined by ample classes	Workshop for Young Researchers in Mathematics, Universitatea Alexandru Ioan Cuza din Iași, 24 mai 2024

16	Martin Palmer-Anghel	Compactly-supported homology classes for big mapping class groups	Low-dimensional topology days, Nantes Université, Franța, 29 august 2024
17		Homology of big mapping class groups supported on compact subsurfaces	"Lost in Topology" workshop, Scuola Normale Superiore di Pisa, Italia, 17 septembrie 2024
18		The lower central series of partitioned motion groups	Biracks and Biquandles: Theory, applications, and new perspectives, University of Leeds, Marea Britanie, 16 decembrie 2024
19	Mihai Prunescu	Arithmetic terms	15-th international conference of discrete mathematics: Convexity and Graph Theory, Universitatea din București, 2 septembrie 2024
20	Mircea Cimpoeaș	Betti numbers of powers of path ideals of cycles	ISIM & ISWIM 2024, POLITEHNICA București, 27 iunie 2024
21		Numerele Betti graduate ale puterilor idealelor de m-drumuri într-un graf linie	A XXVI-a Conferințe Anuale a Societății de Științe Matematice din România, POLITEHNICA București, 22 noiembrie 2024
22	Miron Stanciu	Vaisman's theorem for locally conformally Kähler spaces	Geometry in Timișoara, Universitatea de Vest Timișoara, Timișoara, România, 1-2 martie 2024
23		Special non-Kähler metrics on Endo-Pajitnov manifolds	Workshop for Young Researchers in Mathematics, Universitatea Alexandru Ioan Cuza din Iași, 23-24 mai 2024
24	Nicolae Bonciocat	Resultants, prime numbers and irreducible polynomials	Workshop on Formulas in Number Theory - Research in Pairs in Bucharest, IMAR, 14 februarie 2024
25		Prime numbers and bicrossproducts	Quantum groups, category theory and related topics, Universitatea din București, 20-22 mai 2024
26	Vasile Drăgan	The Linear Quadratic Optimal Control Problem for Stochastic Systems Controlled by Impulses	International Conference on Mathematical Analysis and Applications in Science and Engineering-ICMASC'2, Porto, Portugal, 20-22 iunie 2024

27	Sergiu Moroianu	Structura locală a spațiului modulelor de curbe pseudo-holomorfe	Workshop on pseudo-holomorphic curves, Universitatea Marsilia, Franța, 20-24 mai 2024
28		The manifold of solutions to the Floer equation	Floer Homology, Universitatea Marsilia, Franța, 18-22 noiembrie 2024
29	Rodica Dinu	Geometry of the Gaussian graphical model	Network Meeting of the Alexander von Humboldt-Foundation, Universitatea din Konstanz, 22 februarie 2024
30		Geometry of the Gaussian graphical model	The 9th European Congress of Mathematics, Algebra and Algebraic and Complex Geometry Section, Sevilla, Spania, 15 iulie 2024
31		Algebraic degrees of phylogenetic varieties	Combinatorics and Geometry in Ioannina, Grecia, 3 septembrie 2024

VIII. VIZITE DE CERCETARE/COLABORĂRI ȘTIINȚIFICE

Cercetător	Detalii vizite științifice (perioada, universitatea/institutul/programul de cercetare, țara)
Liviu Ignat	Vizită de cercetare la Universidad Autonoma de Madrid, Spania
Ana Agore	2 stagii de cercetare la Vrije Universiteit Brussel, respectiv Univ. Libre de Bruxelles, Belgia
Remus Radu	Complex Analysis, Geometry, and Dynamics III, Portorož, Slovenia
Raluca Tanase	Complex Analysis, Geometry, and Dynamics III, Portorož, Slovenia
Lucian Beznea	2 stagii de cercetare la Bielefeld University, Germania Vizită științifică în Tunisia (Université de Tunis și Université de Tunis El-Manar) în cadrul rețelei AUF “Modélisations déterministes et stochastiques”
Anca Măcinic	Vizită științifică, Leibniz Universität Hannover, Germania
Bogdan Ichim	stagiu de cercetare la Universitatea Jaume I din Castellón, Spania

Cezar Joița	Vizită științifică la Université de Lille, Franța
Cipriana Anghel	Vizite de cercetare la Université de Lorraine, Metz, Franța , la Universitat Oldenburg și la Universitat Regensburg, Germania
Dan Tiba	Vizite științifice la Univ. Messina, Italia , Univ. La Coruna, Spania , Univ. Wuerzburg, Germania
Dan Timotin	Vizite de cercetare la Universitatea Bordeaux și la Universitatea Gustave Eiffel, Franța
Daniel Matei	Stagiu de cercetare la Tokyo Metropolitan University, Japonia
Delia Ionescu-Kruse	Vizită de cercetare la University of East Anglia, Marea Britanie
Eugen Mihalescu	Vizite de cercetare la Univ. North Texas, SUA ; Univ. Lodz, Polonia ; Erdős Center, Ungaria
Florin Ambro	Stagiu de cercetare la Tsinghua Univ/Beijing, China
Iulian Cimpean	4 stagii de cercetare la Bielefeld University, Germania , respectiv la BCAM, Bilbao, Spania
Laurențiu Leuștean	Vizite științifice la Oberwolfach, Germania și Univ. Lisboa, Portugalia
Martin Palmer-Anghel	Vizită științifică la Shanghai Center for Mathematical Sciences, China
Mihai Pavel	Vizite științifice la Université Paris-Saclay, Institute Élie Cartan of Nancy, Franța ; University of Essen, Germania
Mihai Prunescu	Vizită științifică la Zuse Institut Berlin, Germania
Raluca Tanase	Vizită științifică la University of Ljubljana, Slovenia
Rodica Dinu	Vizite științifice la Šafarik University, Košice, Slovacia , Messina University, Italia , Oberwolfach, Germania și la Institute for Advanced Study, Princeton, SUA

IX. MEMBRI/COMITETE EDITORIALE/COMISII ȘTIINȚIFICE/EXPERȚI

Tabel IX.1 Comisii/comitete/grupuri de lucru

Nr. Crt.	Cercetator	Denumire, calitatea de membru, detalii	Perioada/anul
1	Gheorghe Nenciu	Academia Europaea, membru	din 2017
2		Academia Română, membru corespondent	din 2015
4	Liviu Ornea	Academia Română, membru corespondent	din 2023
5	Delia Ionescu-Kruse	CNATDCU, Comisia de Matematică, membru	din 2020
6		Comisia de Etică și Deontologie a SCOSAAR, membru	din 2023
7		Universitatea Tehnică din Cluj-Napoca, Comisia de abilitare în domeniul Matematică a candidatei Diana Alina Bistran, membru	2024
8	Ingrid Belțiță	EMS Committee for European Solidarity, membru	2022-2026
9	Daniel Belțiță	CNATDCU, Comisia de Matematică, membru	2020-2024
10	Cipriana Anghel	EMS Young Academy, membru	2023-2026
11		Membru în Consiliul Școlii Doctorale de Științe Matematice și Informatică (SDSMI), din cadrul SCOSAAR	din 2023
12	Dan Timotin	American Mathematical Society, membru	din 1991
13		Academia Română, membru corespondent	din 2022
14		Membru în juriul tezei de doctorat al lui Mansi Anil Suryawanshi, Indian Statistical Institute, Bangalore, India	2024
15	Ana Agore	Membru al comisiei de susținere publică a tezei de doctorat, drd. Paul Grosskopf, Université Libre de Bruxelles, Belgia	iulie 2024
16		Membru al comisiei de susținere publică a tezei de doctorat, drd. Joel Right Dzokou Talla, Vrije Universiteit Brussel, Belgia	octombrie 2024

17	Sergiu Moroianu	Membru în comisia de Abilitare a d-lui Martin Palmer-Anghel, în calitate de președinte al comisiei, la IMAR	iunie 2024
18		Membru în comisa de doctorat și raportor în calitate de conducător de doctorat, drd. Rareș Stan, IMAR	iunie 2024
19	Dorin Popescu	Academia Română, membru de onoare	din 2022
20		Membru în comisia de doctorat a lui Hadrien Notarantonio, Universitatea Paris-Saclay, Franța	2024
21	Florin Ambro	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	2024
22	Ionel Popescu	Coordonator Colocviul Franco-Român de Matematică Aplicată	din 2017
23		Școala Doctorală, Facultatea de Matematică și informatică, Universitatea din București	din 2019
24	Mihai Pavel	EMS Young Academy, membru	2025-2028
25	Lori Badea	American Mathematical Society, membru	din 1991
26	Alexandru Popa	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	din 2022
27		Membru al comisiei de susținere publică a tezei de doctorat, drd. Rareș Stan, IMAR	iunie 2024
28		Membru al comisiei de susținere publică a tezei de doctorat, drd. Mircea Merca, POLITEHNICA București	iulie 2024
29	Vasile Brînzănescu	Academia Română, membru de onoare	din 2023
30		CNATDCU, președintele Panelului 1 (Matematică și științe ale naturii) și membru în Consiliul General	2020-2024
31	Liviu Ignat	CNATDCU, Comisia de Matematică, vicepreședinte	din 2024
32		Membru în Consiliul Școlii Doctorale de Științe Matematice și Informatică (SDSMI), din cadrul SCOSAAR	din 2023

33	Lucian Beznea	Scientific Council of the Banach Center, Polonia, membru	2022-2025
34		Membru al Consiliului de Coordonare a Cercetării Științifice din Academia Română	din 2022
35		Membru al Consiliului Școlii Doctorale de Matematică, Facultatea de Matematică și informatică, Universitatea din București	din 2016
36		Membru al Consiliului Școlii Doctorale de Matematică, Universitatea Alexandru Ioan Cuza din Iași	din 2018
37		Membru al Consiliului Director al Societății de Științe Matematice din România (SSMR), vicepreședinte din 2017	din 2012
38		Membru al Consiliului de Conducere al Societății de Probabilități și Statistică din România, vicepresedinte din 2022	din 2018
39		Membru al consiliului “Tbilisi International Centre for Mathematics and Informatics”, Georgia, desemnat de Comitetul Executiv al European Mathematical Society (EMS) ca reprezentant al EMS	din 2018
40		Membru al Comitetului European Research Centres on Mathematics (ERCOM) al European Mathematical Society, ca director al IMAR	din 2022
41		Membru al Consiliului Școlii Doctorale de Matematică și Informatică a SCOSAAR, ca director	din 2023
42		Membru al Consiliului pentru Studiile Universitare de Doctorat (CSUD) al SCOSAAR	2023-2027
43		Membru al “Comisiei de evaluare a performanței pentru integrarea activității de cercetare științifică și dezvoltare tehnologică a organizațiilor de cercetare”, Ministerul Cercetării, Inovării și Digitalizării	din 2024
44		Membru al comisiei de susținere publică a tezei de doctorat, drd. Rareș Stan, IMAR	iunie 2024

45		Membru al comisiei de susținere publică a tezei de doctorat, drd. Alina Marcu, IMAR	septembrie 2024
46		Membru al comisiei de susținere publică a tezei de doctorat, drd. Nicolae Hristea, IMAR	septembrie 2024
47	Radu Purice	Președinte al Comisiei de Evaluare și Asigurare a Calității, SCOSAAR	din 2023
48		Expert în Comisia de Acordare a Premiului “Vaclav Votruba” în Fizică Teoretică acordat de Universitatea Tehnică Cehă din Praga	2024
49		Președinte al Funsăției “Școala Normală Superioară” și membru în Consiliul Științific de Gestionare a Programului Masteral “Advanced Studies in Mathematics” (colaborare între Universitatea din București, IMAR, și Fundația “SNS”)	din 2021
50		Expert în Comisia de susținere publică a tezei de doctorat a drd. Scumpu Mihaela-Gratiela, Universitatea Națională de Știință și Tehnologie Politehnica București	octombrie 2024
51	Vasile Drăgan	American Mathematical Society, membru	din 1994
52		Honorary Board of Romanian Itinerant Seminar on Mathematical Analysis and Applications	din 2018
53		Academia Oamenilor de Știință din România, membru titular	din 2020
54	Constantin Năstăsescu	Academia Română, membru titular	din 2016
55	Marian Aprodu	Academia Română, membru corespondent	din 2022
56		Chair of the Eastern Europe Travel Grant Panel, International Congress of Mathematicians 2026 https://www.ams.org/grants-awards/travel-grants/icm	2024 - 2025
57		Membru în comisia de susținere publică a tezei de doctorat a lui Emil Horobeț, Universitatea Babeș-Bolyai Cluj	2024
58		Membru al Consiliului Școlii Doctorale de Matematică, Facultatea de Matematică și informatică, Universitatea din București	din 2014

59	Laurențiu Leuștean	American Mathematical Society, membru	din 2023
60		Association for Symbolic Logic, membru	din 2023
61		Proof Society, membru	din 2023
62	Iulian Cîmpean	Societatea de Probabilități și Statistică din România, membru în consiliul de conducere	din 2023
63	Mihai Cipu	Evaluator pentru Times Higher Education World Universities Rankings	2023-2025
64	Arghir Zarnescu	EMS Committee for Mathematics Outreach and Engagement, membru	2023-2026
65	Dan Tiba	American Mathematical Society, membru	din 1980
66		Accademia Peloritana dei Pericolanti Classe di Scienze Fisiche, Matematiche e Naturali, membru corespondent	din 2016
67		International Federation of Information Processing (IFIP) – Technical Committee 7, Working Group 7.2, membru	din 2000
68		Academia Oamenilor de Știință din România, membri	din 2011
69	Cezar Joița	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	2024
70		Membru al Consiliului Director al Societății de Științe Matematice din România (SSMR)	din 2023

Tabel IX.2 Colective editoriale și de redacție

Nr. Crt.	Cercetător	Denumire jurnal/revistă	Calitatea
1	Eugen Mihăilescu	Discrete and Continuous Dynamical Systems–Series S	Editorial Board
2	Răzvan Diaconescu	Studies în Universal Logic (Book series)	Editorial Board

3	Liviu Ornea	Mathematical Reports	Editorial Board
4		Revue Roumaine de Mathematiques Pures et Appliquees	Editorial Board
5		Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
6	Arghir Zărnescu	SIAM Journal on Mathematical Analysis	Associate Editor
7	Florin Rădulescu	Journal of Operator Theory	Associate Editor
8	Daniel Belțiță	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
9		Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași. Matematică	Editorial Board
10	Cezar Joița	Revue Roumaine de Mathématiques Pures et Appliquées	Scientific Secretary of the Editorial Board
11		Mathematical Reports	Scientific Secretary of the Editorial Board
12		Proceedings of the Romanian Academy, Series A	Editorial Board
13	Constantin Năstăsescu	Mathematica (Cluj)	Editor-in-chief
14		Revue Roumaine de Mathematiques Pures et Appliquees	Editorial Board
15		Mathematical Reports	Editorial Board
16		Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
17		Analele Științifice ale Universității "Ovidius" Constanța – Seria MATEMATICĂ	Editorial Board
18		Annals of the University of Craiova, Mathematics - Computer Science Series	Editorial Board

19	Ionel Popescu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
20		Mathematical Reports	Associate Editor
21		Journal of Operator Theory	Associate Editor
22		Revue Roumaine de Mathématiques Pures et Appliquées	Editorial board
23	Dorin Popescu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
24	Vicențiu Rădulescu	Opuscula Mathematica (AGH University of Krakow)	Editorial Board
25		Journal of Numerical Analysis and Approximation Theory (Romanian Academy)	Editorial Board
26		Analele Științifice ale Universității "Ovidius" Constanța – Seria MATEMATICĂ	Editorial Board
27	Călin Popescu	Gazeta Matematica, Seria A	Editorial board
28	Dan Timotin	Journal of Operator Theory	Editorial board
29		Mathematical Reports	Editorial board
30		Revue Roumaine de Mathématiques Pures et Appliquées	Editorial board
31		Proceedings of the Romanian Academy, Series A	Topical editor - matematică
32	Mihai Cipu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
33		Gazeta Matematică, Seria A	Editorial Board
34	Lucian Beznea	Revue Roumaine de Mathématiques Pures et Appliquées	Co-Editor-in-chief
35		Mathematical Reports	Co-Editor-in-chief
36		Proceedings of the Romanian Academy, Series A	Editorial Board

37	Florin Nichita	Axioms, MDPI, Elvetia	Editorial Board
38		Sci, MDPI, Elvetia	Editorial Board
39	Marian Aprodu	Revue Roumaine de Mathématiques Pures et Appliquées	Editorial Board
40		Mathematical Reports	Editorial Board
41		Proceedings of the Romanian Academy, Series A	Editorial Board
42	Vasile Brînzănescu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
43		Analele Științifice ale Universității "Ovidius" Constanța – Seria MATEMATICĂ	Editorial Board
44		The Scientific Bulletin UPB Series A - Applied Mathematics and Physics	Editorial Board
45	Vasile Drăgan	International Journal of Innovative Computing, Information and Control	Associate Editor
46		ICIC-Express Letters	Associate Editor
47		IET Control Theory and Applications	Associate Editor
48		Acta Universitatis Apulensis, Seria Mathematics-Informatics	Editorial Board
49		Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications	Editorial Board
50	Dan Tiba	The Scientific Bulletin UPB Series A - Applied Mathematics and Physics	Editorial Board
51		International Journal of Differential Equations	Editorial Board
52		Mathematica (Cluj)	Editorial Board
53		Proceedings of the Romanian Academy, Seria A	Editorial Board
54		Mathematics, Elvetia	Editorial Board

55	Aurelian Gheondea	Complex Analysis and Operator Theory	Editorial Board
56		Opuscula Mathematica (AGH University of Krakow)	Editorial Board
57		Journal of Operator Theory	Associate Editor
58		Journal of Function Spaces	Editorial Board

X. DOCTORANZI

Nr. Crt.	Doctorand	Conducător de doctorat	Anul înmatriculării
1	Dragoș Manea	Liviu Ignat	2021
2	Andreea Dima		2023
3	Alexandru Ioniță	Răzvan Diaconescu	2020
4	Sandu Maria Cristina	Vasile Brînzanescu	2016
5	Alexandra Teodor	Lucian Beznea	2022
6	Ana-Maria Boeangiu		2018
7	Adela Pană (Popescu)		2017
8	Răzvan Moraru		2022
9	Alexandru Radu		2022
10	Valentin Constantinescu		2023

11	Rareș Stan	Sergiu Moroianu	2019-2024
12	Alexandra Roxana Ciorogar	Ruxandra Stavre	2019
13	Tudor Boacă	Gabriela Marinoschi	2017
14	Andreea Negruț	Eduard Paul Rotenstein	2022
15	Marius-Ion Mirea	Liana David	2024
16	Mihnea Măcrineanu	Alexandru Popa	2024
17	Jack Walsh		2024
18	Olimpia Țicloș	Ferucio Laurențiu Țiplea	2022
19	Paul-Adrian Cotan		2021
20	Cristian Hristea		2019-2024
21	Simona Lăzărescu		2023
22	Manuela Horduna		2024
23	Victor Talif		2024
24	Florin Condrea	Marius Leordeanu	2020
25	Nicolae Cudlenco		2018
26	Mihai Dan Mașala		2019
27	Alina Elena Marcu		2017-2024
28	Mihai-Cristian Pîrvu		2020

29	Tiberiu Mihai	Smaranda Belciug	2024
30	Dimitriana Apetrei	Tudor Barbu	2024
31	Maria Diana Focşa		2024
32	Lucian Murgu		2024
33	Teodor-Alexandru Szente	Cristian Sminchişescu	2022
34	Mihai Fieraru		2018

XI. MANIFESTĂRI ŞTIINŢIFICE ORGANIZATE SAU CO-ORGANIZATE DE IMAR ÎN 2024

Nr. Crt.	Detalii manifestare ştiinţifică
1	<i>Analysis and Potential, on the Anniversary of Gheorghe Bucur</i> , IMAR, Bucharest, January 23-26, 2024 http://imar.ro/~imar/2024/Conferinte/APBucur/Afis.pdf Special session for PhD Students on January 23, 2024 http://imar.ro/~imar/2024/Conferinte/APBucur/SpecialSession.pdf
2	<i>Formulas in Number Theory – Research in Pairs workshop</i> , IMAR, February 14, 2024 http://www.imar.ro/~imar/2024/FNT/Afis-FNT.pdf
3	The 25th Conference of The Romanian Society of Probability and Statistics, Timișoara, May 10-11, 2024 https://spsr.ase.ro/spsr2024/
4	<i>Workshop for Young Researchers in Mathematics, 13th Edition</i> , Alexandru Ioan Cuza University of Iași, May 23-24, 2024 https://fmi.univ-ovidius.ro/cercetare/wyrm2024/
5	<i>Workshop on PDEs – Research in Pairs</i> , POLITEHNICA Bucharest, May 29, 2024 http://www.imar.ro/~imar/2024/Conferinte/Workshop_on_PDEs.pdf

6	<i>29th International Conference on Operator Theory</i> , Timișoara, July 1-5, 2024 https://sites.google.com/view/ot29/
7	<i>Twelfth Bucharest Number Theory Days</i> , IMAR, Bucharest, July 4-5, 2024 http://imar.ro/~apopa/BNTD12/index.html
8	<i>9th French-Romanian Summer School on Applied Mathematics</i> , Sinaia, July 10-18, 2024 https://sites.google.com/site/marinliviu/regional-french-romanian-summer-school-on-applied-mathematics/9th-regional-summer-school-on-applied-mathematics-10-18-july-2024
9	<i>Workshop on conformal geometry and LCP structures</i> , IMAR, August 5-6, 2024 https://moroianu.perso.math.cnrs.fr/PNRR/program%20workshop%20august%202024.pdf
10	<i>Le 16ème Colloque Franco-Roumain</i> , POLITEHNICA Bucharest, August 26-30, 2024 https://16colfrro.sciencesconf.org/
11	<i>The 15th International Conference on Discrete Mathematics: Convexity and Graph Theory</i> , University of Bucharest, September 1-5, 2024 http://tzamfirescu.tricube.de/15ICDM.html
12	<i>Research School: Topology and Algebra of Singularities and their Applications</i> , Ovidius University of Contanta, September 9-13, 2024 https://sites.google.com/view/singularities-appl3/accueil
13	<i>IMAR75 – a conference celebrating the 75th anniversary of the Simion Stoilow Institute of Mathematics of the Romanian Academy</i> , IMAR & Romanian Academy, September 27-28, 2024 http://imar.ro/~IMAR75/
14	<i>150 Year Celebration – A conference in honour of Gheorghe Nenciu and Radu Purice</i> , IMAR, October 3-4, 2024 https://sites.google.com/view/150yearcelebration
15	<i>Matematică și Școală II</i> , Brănești & Vulcana-Băi, October 18, 2024 http://imar.ro/~imar/2024/Anunturi/Afis-conferinta-Branesti-Vulcana-18-octombrie-2024.pdf
16	<i>Workshop Current trends in PDEs – Research in Pairs</i> , Campus Research Institute, November 15, 2024 http://www.imar.ro/~imar/2024/Conferinte/Workshop_on_PDEs_Nov2024.pdf

17	<i>Hopf Algebra Day in Bucharest</i> , IMAR, December 4, 2024 https://hopfalgebra20.wixsite.com/hopfday
18	<i>Workshop Happy PDEs</i> , IMAR, December 13, 2024 http://imar.ro/~imar/2024/Conferinte/HappyPDE2024.pdf

XII. PROIECTE DE CERCETARE DERULATE DE IMAR

Nr. Crt.	Sursă de finanțare	Detalii proiect (titlu, cod identificator, valoare, durată, director de proiect)
1	PNRR/UE	<i>Cohomological Hall algebras of smooth surfaces and applications</i> , CF 44/14.11.2022, Valoare: 7 000 000 RON, Durata: 2023-2026, PI: Olivier Schiffmann
2	PNRR/UE	Group schemes, root systems, and related representations, CF 159/31.07.2023, Valoare: 6 000 000 RON, Durata: 2024-2026, PI: Philippe Gille
3	PNRR/UE	<i>Conformal aspects of geometry and dynamics</i> , CF 149/31.07.2023, Valoare: 6 000 000 RON, Durata: 2024-2026, PI: Andrei Moroianu
4	PNRR/UE	<i>Singularities and applications</i> , CF 132/31.07.2023, Valoare: 6 000 000 RON, Durata: 2024-2026, PI: Mihai Tibăr
5	UEFISCDI	Special Hermitian metrics on non-Kähler manifolds, PN-III-P1-1.1-PD-2021-0474, Valoare: 250 000 RON, Durata: 2023-2024, PI: Alexandra Otiman
6	UEFISCDI	<i>Stochastic analysis methods for the evolution equations of non-local branching and fragmentation processes</i> , PN-III-P4-PCE-2021-0921, Valoare: 1 200 000 RON, Perioada: 2022-2024, PI: Lucian Beznea
7	UEFISCDI	<i>Fine-Grained Three-dimensional Human Sensing</i> , PN-III-P4-PCE-2021-1959, Valoare: 1 200 000 RON Perioada: 2022-2024, PI: Cristian Sminchișescu
8	UEFISCDI	<i>LCK structures on singular complex spaces</i> , PN-III-P1-1.1-TE-2021-0228, Valoare: 450 000 RON, Durata: 2022-2024, PI: Ovidiu Preda
9	UEFISCDI	NSF-UEFISCDI: Linear and Nonlinear Stability of Physical Flows (LNSPF), Complex bilateral research collaboration between US and Romanian researchers, UEFISCDI project code ROSUA-2024-0001, Valoare: 1 200 000 lei, Durata: 2024-2027, PI: Alexandru Ionescu (Princeton) and Delia Ionescu-Kruse (IMAR)

10	Academia Română	Deformări, rigiditate și C^* -algebrele grupurilor Lie – DefLie, GAR2023 – Cod Proiect 114, Valoare: 200 000 RON, Durata: 2024-2025, PI: Ingrid Belțiță
11	MCID	<i>IMAR75 – a conference celebrating the 75th anniversary of the Simion Stoilow Institute of Mathematics of the Romanian Academy</i> , Ministerul Cercetării, Inovării și Digitalizării (MCID), CF 12M/10.09.2024, Valoare: 10 925 RON
12	MCID	<i>Le 16ème Colloque Franco-Roumain</i> , Ministerul Cercetării, Inovării și Digitalizării (MCID), CF 7M/15.07.2024, Valoare: 19 200 RON
13	PMB	<i>Le 16ème Colloque Franco-Roumain</i> , Primăria Municipiului București (PMB), Valoare: 34 700 RON
14	EMS	<i>Workshop for Young Researchers in Mathematics, 12th edition</i> , Valoare: 2 600 EUR
15	EMS	<i>29th International Conference on Operator Theory</i> , Valoare: 1 500 EUR
16	CNRS	CNRS International Research Network (IRN) <i>ECO-Math</i> , Valoare: 75 000 EUR, Durata: 2022-2026, Coordonator delegat pentru România: Radu Purice
17	AUF	<i>Modélisations déterministes et stochastiques</i> , L'Agence Universitaire de la Francophonie, Valoare: 5,000 EUR, Durata: 2024-2025, PI: Lucian Beznea
18	CNRS	<i>Images des germes d'applications analytiques, fibrations singulieres, et espaces des arcs</i> , CNRS-International Emerging Actions. Valoare: 19 612RON, Coordinators: Mihai Tibăr and Cezar Joița
19	CIMPA	<i>Research School: Topology and Algebra of Singularities and their Applications</i> , Centre International de Mathématiques Pures et Appliquées (CIMPA), Valoare: 10 451 RON, PI: Cezar Joița
20	UEFISCDI	Aspects of quantum symmetry and rigidity, PN-IV-P2-2.2-MCD-2024-0352, Proiect de mobilitate pentru cercetători cu experiență din diaspora, Valoare: 8 800 RON, PI: Ana Agore
21	UEFISCDI	Proiecte de mobilitate pentru cercetători: PN-IV-P2-2.2-MC-2024-0465 (PI: Mihai Mașala), PN-IV-P2-2.2-MC-2024-0889 (PI: Simona Lăzărescu), PN-IV-P2-2.2-MC-2024-1083 (PI: Olimpia Țicloș), Valoare totală: 25 947 RON