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Raport de activitate științifică
2023

CUPRINS

I. ARTICOLE PUBLICATE ÎN ANUL 2023

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 2023 (listele apărute în anii 2019-2023).

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă	Cuartilă
1	A. Agore, A. Gordienko, J. Vercruysse	V-universal Hopf algebras (co)acting on omega-algebras	**Communications in Contemporary Mathematics** 25, No. 1, Art. no. 2150095	Q1
2	A. Agore, G. Militaru	The factorization problem for Jordan algebras: applications	**Collectanea Mathematica** 74, Issue 3, pp. 687-701	Q2
3	A. Agore, G. Militaru	Unified products for Jordan algebras. Applications	**Jorunal of Pure and Applied Algebra** 227 (2023), Issue 4, Art. No. 107268	Q2
4	A. Negut, E. Gorsky	The trace of the affine Hecke category	**Proceedings of the London Mathematical Society** (2023), Vol. 126, Issue 6, pp. 2013-2056, DOI: 10.1112/plms.12523	Q1
5	A. Negut, A. Garbali	Computing the R-matrix of the quantum toroidal algebra	**Journal of Mathematical Physics** (2023), Vol. 64, Issue 1, Article No.011702, DOI: 10.1063/5.0120003	Q3
6	A. Negut	The R-matrix of the quantum toroidal algebra	**Kyoto Journal of Mathematics** (2023), Vol. 63, Issue 1, pp. 23-49, DOI: 10.1215/21562261-2022-0030	Q2
7	A. Negut	Shuffle algebras for quivers and R-matrices	**Journal of the Institute of Mathematics of Jussieu** (2023), Vol. 22, Issue 6, pp. 2583-2618, DOI: 10.1017/S1474748022000184	Q1
8	A. Negut	Shuffle algebras for quivers and wheel conditions	**Journal fur die Reine und Angewandte Mathematik** (2023), Vol. 2023, Issue 795, pp. 139-182, DOI: 10.1515/crelle-2022-0074	Q1

9	A. Sipoș	Revisiting jointly firmly nonexpansive families of mappings	**Optimization** (2023), Vol. 71, No. 13, pp. 3819-3834	Q1
10	L. Păunescu, A. Sipoș	A proof-theoretic metatheorem for tracial von Neumann algebras	**Mathematical Logic Quarterly** (2023), Vol. 69, Issue 1, pp. 63-76	Q3
11	W. Bruns, B. Ichim	Computations of volumes in five candidates elections	**Scientific Reports** 13 (2023), Article No. 13266	Q1
12	C. Cazacu, L. Ignat, D. Manea	The Hardy inequality and large time behaviour of the heat equation on $\mathbb{R}^{(N-k)} \times (0,\infty)^k$	**Journal of Differential Equations** (2023), Vol. 375, pp. 682-705	Q1
13	J. Endal, L. Ignat, F. Quirós	Large-time behaviour for anisotropic stable nonlocal diffusion problems with convection	**Journal de Mathématiques Pures et Appliquées** (9) 179 (2023), pp. 277-336 DOI: 10.1016/j.matpur.2023.09.009	Q1
14	F. Chindea	ACM bundles on abelian surfaces of Picard rank 4	**Bull. Math. Soc. Sci. Math. Roumanie**, Tome 66 (114), No. 4, 2023, pp. 447-450	Q3
15	F. Ambro, A. Ito	Corrigendum to „Successive minima of line bundles"	**Adv. Math.** 420, Paper No. 108966	Q1
16	L. Liu, A. Makhlouf, C. Menini, F. Panaite	BiHom-NS-algebras, twisted Rota-Baxter operators and generalized Nijenhuis operators	**Results in Mathematics** (2023), Vol. 78, Nr. 6, Art. no. 251, pp. 1-18	Q1
17	J. Bassi, F. Rădulescu	A Mixing Property for the Action of $SL(3, \mathbb{Z}) \times SL(3, \mathbb{Z})$ on the Stone–Čech Boundary of $SL(3,\mathbb{Z})$	**International Mathematics Research Notice** (2023), DOI: 10.1093/imrn/rnad014	Q1
18	W. Zhang, J. Zhang, V. Rădulescu	Concentrating solutions for singularly perturbed double phase problems with nonlocal reaction	**Journal of Differential Equations** 347 (2023), pp. 56-103, DOI: 10.1016/j.jde.2022.11.033	Q1
19	S. Zeng, L. Gasinski, V. Rădulescu, P. Winkert	Anisotropic and isotropic implicit obstacle problems with nonlocal terms and multivalued boundary conditions	**Communications in Nonlinear Science and Numerical Simulation** 118C (2023), Paper No. 106997, DOI: 10.1016/j.cnsns.2022.106997	Q1

20	Z. Liu, V. Rădulescu, J. Zhang	A planar Schrodinger-Newton system with Trudinger-Moser critical growth	**Calculus of Variations and Partial Differential Equations** 62 (2023), Article No. 122, DOI: 10.1007/s00526-023-02463-0	Q1
21	S. Zeng, Y. Bai, N. Papageorgiou, V. Rădulescu	Double phase implicit obstacle problems with convection term and multivalued operator	**Analysis and Applications** 21 (2023), pp. 1013-1038, DOI: 10.1142/S0219530523500033	Q1
22	N. Papageorgiou, A. Pudelko, V. Rădulescu	Non-autonomous (p, q)-equations with unbalanced growth	**Math. Ann.** 385 (2023), pp. 1707-1745, DOI: 10.1007/s00208-022-02381-0	Q1
23	X. Chang, V. Rădulescu, R. Wang, D. Yan	Convergence of least energy sign-changing solutions for logarithmic Schrodinger equations on locally finite graphs	**Commun. Nonlinear Sci. Numer. Simul.** 125 (2023), Paper No. 107418, DOI: 10.1016/j.cnsns.2023.107418	Q1
24	X. Luo, V. Rădulescu, M. Zhen	Standing waves with prescribed norm for the coupled Hartree-Fock system	**Discrete Contin. Dyn. Syst.** 43 (2023), pp. 3131-3167, DOI: 10.3934/dcds.2023043	Q1
25	T. Huo, L. Li, V. Rădulescu	Existence and concentration properties for the 1-biharmonic equation with lack of compactness	**Bull. Sci. Math.** 186 (2023), Paper No. 103275, DOI: 10.1016/j.bulsci.2023.103275	Q1
26	N. Papageorgiou, V. Rădulescu, W. Zhang	Global existence and multiplicity for nonlinear Robin eigenvalue problems	**Results Math.** 78 (2023), Paper No. 133, DOI: 10.1007/s00025-023-01912-8	Q1
27	S. Zeng, Y. Bai, V. D. Rădulescu, P. Winkert	An inverse problem for a double phase implicit obstacle problem with multivalued terms	**ESAIM Control Optim. Calc. Var.** 29 (2023), Paper No. 30, DOI: 10.1051/cocv/2023022	Q1
28	N. Papageorgiou, V. Rădulescu, X. Sun	Indefinite perturbations of the eigenvalue problem for the nonautonomous p-Laplacian	**Milan J. Math.** 91 (2023), pp. 353-373, DOI: 10.1007/s00032-023-00385-2	Q1
29	C. Cobeli, A. Zaharescu	Flurries of Ducci waves	**Bull. Math. Soc. Sci. Math. Roumanie**, Tome 66 (114), No. 2, pp. 177-188, 2023	Q3

30	S. Chen, V. Rădulescu, X. Tang, S. Yuan	Normalized solutions for Schrodinger equations with critical exponential growth in $\mathbb{R}^2$	**SIAM J. Math. Anal.** 55 (2023), pp. 7704-7740, DOI: 10.1137/22M1521675	Q1
31	Y. Fang, V. Rădulescu, C. Zhang	Equivalence of weak and viscosity solutions for the nonhomogeneous double phase equation	**Mathematische Annalen** (2023), DOI: 10.1007/s00208-023-02593-y	Q1
32	X. Dou, X. He, V. Rădulescu	Multiplicity of positive solutions for the fractional Schrodinger-Poisson system with critical nonlocal term	**Bulletin of Mathematical Sciences** (2023) DOI: 10.1142/S1664360723500121	Q1
33	Z. Liu, V. Rădulescu, 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** (2023), pp. 1-31, DOI: 10.1017/prm.2023.43	Q2
34	R. Arora, V. Rădulescu	Combined effects in mixed local-nonlocal stationary problems	**Proceedings of the Royal Society of Edinburgh Section A: Mathematics** (2023), pp. 1-47, DOI: 10.1017/prm.2023.80	Q2
35	T. Gou, V. Rădulescu	Non-autonomous double phase eigenvalue problems with indefinite weight and lack of compactness	**Bulletin of the London Mathematical Society** (2023), DOI: 10.1112/blms.12961	Q1
36	S. Yuan, V. Rădulescu, X. Tang, L. Zhang	Concentrating solutions for singularly perturbed fractional (N/s)-Laplacian equations with nonlocal reaction	**Forum Mathematicum (**2023), DOI: 10.1515/forum-2023-0183	Q2
37	N. Papageorgiou, V. Rădulescu, Y. Wang	Constant sign and nodal solutions for resonant double phase problems	**Annales Fennici Mathematici** 48 (2023), pp. 757-777, DOI: 10.54330/afm.141250	Q2
38	V. Brinzanescu, A. C. Nicoara	Relating Catlin and D'Angelo q-types	**J. Math. Anal. Appl.** 527 (2023), Paper no. 127349, DOI: 10.1016/j.jmaa.2023.127349	Q2

39	N. Papageorgiou, V. Rădulescu, D. Repovš	Global multiplicity for parametric anisotropic Neumann (p,q)-equations	**Topological Methods in Nonlinear Analysis 61 (2023), Issue 1, pp.** 393-422, DOI 10.12775/TMNA.2022.010	Q3
40	H. Cheval, U., Kohlenbach, L. Leuștean	On modified Halpern and Tikhonov-Mann iterations	**Journal of Optimization Theory and Application** 197 (2023), pp. 233-251 DOI: 10.1007/s10957-023-02192-6	Q1
41	L. Leuștean, P. Pinto	Rates of asymptotic regularity for the alternating Halpern-Mann iteration	**Optimization Letters** (2023) DOI: 10.1007/s11590-023-02002-y	Q2
42	L. Badea	Multilevel Uzawa and Arrow-Hurwicz Algorithms for General Saddle Point Problems	**Journal of Optimization Theory and Applications** 198 (2), pp. 678-709, 2023, DOI: 10.1007/s10957-023-02231-2	Q2
43	F. Stan, A.-M. Stan	Some remarks on totally positive algebraic integers	**Bull. Math. Soc. Sci. Math. Roumanie**, Tome 66 (114), No. 4, 2023, pp. 373-381	Q3
44	L. Beznea, I. Cîmpean, M. Röckner	Path continuity of Markov processes and locality of Kolmogorov operators	**Stochastics and Partial Differential Equations-Analysis and Computations** (2023), DOI: 10.1007/s40072-023-00304-x	Q1
45	L. Beznea, I. Cîmpean, M. Röckner	Strong Feller semigroups and Markov processes: A counterexample	**Stochastics and Partial Differential Equations-Analysis and Computations** (2023), DOI: 10.1007/s40072-023-00300-1	Q1
46	V. Alexandru, M. Vâjâitu	Galois equivariant functions on Galois orbits in large p-adic fields	**Rend. Semin. Univ. Padova** (2023), online first, DOI: 10.4171/RSMUP/127	Q4
47	V. Alexandru, C. Cobeli, M. Vâjâitu, A. Zaharescu	On Wieferich and non-Wieferich primes with prime bases	**Mediterr. J. Math.** 20, No. 2, Paper No. 93, pp. 1-15 (2023)	Q2
48	M. Maican	On the Hilbert function of a finite scheme contained in a quadric surface	**Collectanea Mathematica** (2023), DOI: 10.1007/s13348-023-00406-8	Q2

49	D. Devine, M. Ghergu, K. Paschalis	Quasilinear elliptic inequalities with nonlinear convolution terms and potentials of slow decay	**Differential and Integral Equations** (2023), Vol. 36, Nr 1-2, pp. 1-20 DOI: 10.57262/die036-0102-1	Q1
50	M. Ghergu, M. Yasuhito, S. Masamitsu	Solvability for time-fractional semilinear parabolic equations with singular initial data	**Mathematical Methods in the Applied Sciences** (2023), Vol. 46, No. 6, 6686-6704, DOI: 10.1002/mma.8933	Q1
51	M. Ghergu, Z. Liu, M. Yasuhito, V. Moroz	Nonlinear inequalities with double Riesz potentials	**Potential Analysis** (2023), Vol. 59, No. 1, pp 97-112, DOI: 10.1007/s11118-021-09962-9	Q2
52	M. Ghergu	Steady state solutions for the Gierer-Meinhardt system in the whole space	**Journal of Differential Equations** (2023), Vol. 363, pp. 518-545, DOI: 10.1016/j.jde.2023.03.040	Q1
53	M. Ghergu, Z. Yu	Elliptic inequalities with nonlinear convolution and Hardy terms in cone-like domains	**J. Math. Anal. Appl.** (2023), Vol. 526, No. 11, Art. No. 127329, DOI: 10.1016/j.jmaa.2023.127329	Q1
54	O. Preda, M. Stanciu	Blow-ups and modifications of lcK spaces	**Bull. Lond. Math. Soc.** 55 (2023), pp. 2481-2492	Q1
55	O. Preda, M. Stanciu	Vaisman theorem for lcK spaces	**Ann. Sc. Norm. Super. Pisa Cl. Sci.** (5), Vol. XXIV, pp.2311-2321, 2023	Q1
56	A. I. Bonciocat, N. C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte	Apollonius circles and the number of irreducible factors of polynomials	**Bull. Math. Soc. Sci. Math. Roumanie**, Tome 66 (114), No. 2, pp. 119-138, 2023	Q3
57	M. Cipu, G. Kientega, M. Mignotte, S. Nikiema	Sur la hauteur des puissances d'un polynôme à coefficients entiers	**Bull. Math. Soc. Sci. Math. Roumanie**, Tome 66 (114), No. 2, pp. 157-175, 2023	Q3
58	H. Cornean, R. Purice	Sharp spectral stability for a class of singularly perturbed pseudo-differential operators	**Journal of Spectral Theory** 13 (2023), no. 3, pp. 1129-1144, DOI: 10.4171/JST/471	Q1
59	R. Diaconescu	Decompositions of stratified institutions	**J. Logic and Computation**, 33(7):1625-1664, 2023, DOI: 10.1093/logcom/exac054	Q2

60	R. Diaconescu	Preservation in many-valued truth institutions	**Fuzzy Sets and Systems** 456 (2023), pp. 38-71, DOI: 10.1016/j.fss.2022.08.024	Q1
61	R. Diaconescu	Generalised graded interpolation	**International J. of Approximate Reasoning**, 152:236-261, 2023, DOI: 10.1016/j.ijar.2022.10.018	Q2
62	R. Diaconescu	Partialising institutions	**Applied Categorical Structures**, 31(6):46, 2023, DOI: 10.1007/s10485-023-09753-w	Q2
63	A. Ciorogar, R. Stavre	A Thermal Fluid-Structure Interaction Problem: Modeling, Variational and Numerical Analysis	**Journal of Mathematical Fluid Mechanics** 25 (2023), Art. No. 37	Q1
64	G. Panasenko, R. Stavre	Asymptotic Solution for a Visco-Elastic Thin Plate: Quasistatic and Dynamic Cases	**Mathematics** 11 (2023), Art. No. 2847, DOI: 10.3390/math11132847	Q1
65	S. Burciu	On the Galois symmetries for the character table of an integral fusion category	**Journal of Algebra and Its Applications** 22 (2023), no. 1, Art. No. 2350026, DOI: 10.1142/S0219498823500263	Q3
66	S. Aberkane, V. Dragan	The mean-field linear quadratic optimal control problem for stochastic systems controlled by impulses	**Asian Journal of Control** (2023), DOI: 10.1002/asjc.3214, Early Access WOS:001049477000001	Q3
67	S. Aberkane, V. Dragan	A Deterministic Setting for the Numerical Computation of the Stabilizing Solutions to Stochastic Game-Theoretic Riccati Equations	**Mathematics** (2023), Vol. 11, Issue 9, Art. No. 2068, DOI: 10.3390/math11092068	Q1
68	G. Militaru	Crossed products of 4-algebras. Applications	**Journal of Algebra** 614 (2023), pp. 251-270 DOI: 10.1016/j.jalgebra.2022.10.002	Q1
69	N. Istrati, A. Otiman	Bott-Chern cohomology of compact Vaisman manifolds	**Trans. Amer. Math. Soc.** 376 (2023), Issue 6, pp. 3919-3936, DOI: 10.1090/tran/8832	Q1

70	V. Dragan, I. Popa, S. Aberkane	On the stochastic linear quadratic optimal control problem by piecewise constant controls: The infinite horizon time case	**Mathematical Methods in Applied Sciences** (2023), DOI: 10.1002/mma.9253, Early Access, WOS:000971134100001	Q1
71	S. Aberkane, V. Dragan	An addendum to the problem of zero-sum LQ stochastic mean-field dynamic games	**Automatica**, Vol.153, Article No. 111007, DOI: 10.1016/j.automatica.2023.111007	Q1
72	O. Bagdasar, M. S. Chen, V. Dragan, I. G. Ivanov, I. Popa	On Horadam Sequences with Dense Orbits and Pseudo-Random Number Generators	**Mathematics** (2023), Vol. 11, Issue 5, Art. No. 1244, DOI: 10.3390/math11051244	Q1
73	V. Dragan, I. G. Ivanov, I. Popa	A Game-Theoretic Model for a Stochastic Linear Quadratic Tracking Problem	**Axioms** (2023), Vol. 12, Issue 1, Art. No. 76, DOI: 10.3390/axioms12010076	Q2
74	J. Mingo, M. Popa, K. Szpojankowski	Asymptotic *-distribution of Permuted Haar Unitary Matrices	**Indiana University Mathematics Journal**, Vol. 73, Issue 3, pp. 927-967, 2023	Q1
75	D. Popescu	Immediate extensions of valuation rings and ultrapowers	**Mathematical Reports** 25 (75), 2023, Issue 3, pp. 505-512, DOI: 10.59277/mrar.2023.25.75.3.505	Q4
76	D. Popescu	Algebraic valuation ring extensions as limits of complete intersection algebras	**Revista Matematica Complutense** (2023), DOI: 10.1007/s13163-023-00468-z	Q2
77	S. Dascalescu, C. Nastasescu, L. Nastasescu	Graded quasi-Frobenius rings	**Journal of Algebra** 620 (2023), pp. 392-424 DOI: 10.1016/j.jalgebra.2023.01.003	Q1
78	E. Feireisl, A. Roy, A. Zarnescu	On the motion of a nearly incompressible viscous fluid containing a small rigid body	**Journal of Nonlinear Science**, 2023, vol. 33, no 5, Article No. 94 DOI: 10.1007/s00332-023-09949-3	Q1
79	Z. Geng, A. Zarnescu	Uniform profile near the point defect of Landau-de Gennes model	**Calculus of Variations and PDE** 62, 3 (2023) DOI: 10.1007/s00526-022-02348-8	Q1

80	R. Ceuca, J. Taylor, A. Zarnescu	Effective surface energies in nematic liquid crystals as homogenized rugosity effects	**Communications in Contemporary Mathematics**, 25(06), 2250020, 2023 DOI: 10.1142/S0219199722500201	Q1
81	E. Feireisl, A. Roy, A. Zarnescu	On the motion of a large number of small rigid bodies in a viscous incompressible fluid	**Journal de Mathématiques Pures et Appliquées**, 2023, vol. 175, pp. 216-236, DOI: 10.1016/j.matpur.2023.05.007	Q1
82	E. Feireisl, A. Roy, A. Zarnescu	On the motion of a small rigid body in a viscous compressible fluid	**Communications in Partial Differential Equations**, 48:5, pp. 794-818, 2023 DOI: 10.1080/03605302.2023.2202733	Q1
83	S. Rusconi, C. Schenk, A. Zarnescu, E. Akhmatskaya	Reducing model complexity by means of the optimal scaling: Population balance model for latex particles morphology formation	**Applied Mathematics and Computation**, Vol. 443, 2023, 127756 DOI: 10.1016/j.amc.2022.127756	Q2
84	A. Bucur, A. C. Cojocaru, M. Lalín, L. Pierce	Geometric generalizations of the square sieve and applications to cyclic covers	**Mathematika** (2023), Vol. 69, No. 1, pp. 106-154, DOI: 10.1112/mtk.12180	Q2
85	A. C. Cojocaru, S. Garai	Obstructions to reciprocity laws in the theory of Drinfeld modules	**Proc. Amer. Math. Soc.**, Vol. 151, No. 4, 2023, pp. 1379-1393	Q2
86	A. C. Cojocaru, T. Wang	Bounds for the distribution of the Frobenius traces associated to products of non-CM elliptic curves	**Canadian Journal of Mathematics**, Vol. 75, Issue 3, 2023, pp. 687-712, DOI: 10.4153/S0008414X22000086	Q1
87	A. C. Cojocaru, S. Garai	Obstructions to reciprocity laws related to division fields of Drinfeld modules	**Proc. Amer. Math. Soc.** 151 (2023), pp. 1379-1393 DOI: https://doi.org/10.1090/proc/16157	Q2
88	A. C. Cojocaru, Mc. Meyer	Non-CM elliptic curves with infinitely many almost prime Frobenius traces	**Journal of Number Theory**, Vol. 252, 2023, pp. 74-117, DOI: 10.1016/j.jnt.2023.05.002	Q3
89	A. Lőrincz, C Raicu	**Borel-Moore homology of determinantal varieties**	**Algebraic Geometry** 10 (2023), no. 5, pp. 576-606, DOI: 10.14231/AG-2023-020	Q1

90	O. Dumitrescu, E. Postinghel	Positivity of divisors on blown-up projective spaces, I	**Annali della Scuola Normale Superiore di Pisa**, Classe di Scienze (5), volume XXIV 2023, issue 2, pp. 599-618	Q1
91	G. Marinescu, N. Savale	Bochner Laplacian and Bergman kernel expansion of semipositive line bundles on a Riemann surface	**Mathematische Annalen** (2023) DOI: 10.1007/s00208-023-02750-3	Q1
92	D. Coman, W. Lu, X. Ma, G. Marinescu	Bergman kernels and equidistribution for sequences of line bundles on Kahler manifolds	**Advances in Mathematics** 414 (2023)**,** DOI: 10.1016/j.aim.2022.108854	Q1
93	N. El Khatib, A. Makki, M. Petcu	A Splitting Method for the Allen-Cahn/Cahn-Hilliard System Coupled with Heat Equation Based on Maxwell-Cattaneo Law	**Applied Mathematics and Optimization** (2023), Vol. 88, Issue 1, DOI: 10.1007/s00245-023-09990-4	Q1
94	E. Feireisl, M. Petcu, B. She	An Entropy Stable Finite Volume Method for a Compressible Two Phase Model	**Applications of Mathematics** (2023), Vol. 68, Issue 4, pp. 467-483 DOI: 10.21136/AM.2023.0041-22	Q4
95	E. Feireisl, M. Petcu, B. She	A model of a nonisothermal two-phase flow of compressible fluids	**Mathematical Methods in the Applied Sciences** (2023), Vol. 46, Issue 8, pp. 9362-9377, DOI: 10.1002/mma.9059	Q1
96	I. Chiose, R. Răsdeaconu	Remarks on astheno-Kähler manifolds, Bott-Chern and Aeppli cohomology groups	**Annals of Global Analysis and Geometry**, Vol. 63, Issue 3, Article No. 24, 2023, DOI: 10.1007/s10455-023-09903-2	Q2
97	E. Mihăilescu	Invariant measures in non-conformal fibered systems with singularities	**Journal of Functional Analysis**, Vol 284, Issue 9, Article No. 109860, 2023, DOI: 10.1016/j.jfa.2023.109860	Q1
98	V. Cortes, L. David	B_n-Generalized Pseudo-Kähler Structures	**Journal of Geometric Analysis** (2023), vol. 33, DOI: 10.1007/s12220-023-01311-z	Q1
99	V. Cortes, L. David	T-duality for transitive Courant algebroids	**Journal of Symplectic Geometry** 21 (4), 2023	Q1

100	N. Strungaru	Fourier transformable measures with weak Meyer set support and their lift to the cut-and-project scheme	**Canadian Mathematical Bulletin**, Vol. 66, Issue 3, pp. 1044-1060, 2023, DOI: 10.4153/S0008439523000164	Q2
101	M. Baake, N. Strungaru	A note on tempered measures	**Colloquium Mathematicum** (2023), Vol. 172, Issue 1, pp. 15-30, DOI: 10.4064/cm8796-7-2022	Q3
102	D. Lenz, T. Spindeler, N. Strungaru	Pure point spectrum for dynamical systems and mean, Besicovitch and Weyl almost periodicity	**Ergodic Theory and Dynamical Systems** (2023), pp. 1-45, DOI: 10.1017/etds.2023.14	Q1
103	D. Lenz, T. Spindeler, N. Strungaru	Abstract almost periodicity for group actions on uniform topological spaces	**Canadian Journal of Mathematics** (2023), pp. 1-32, DOI: 10.4153/S0008414X23000226	Q1
104	N. Strungaru	Why do (weak) Meyer sets diffract?	**Lett. Math. Phys.** 113 (2023), Issue 3, Article No. 52, DOI: 10.1007/s11005-023-01676-w	Q2
105	M. Baake, T. Spindeler, N. Strungaru	On Eigenmeasures Under Fourier Transform	**Journal of Fourier Analysis and Applications** (2023), Vol. 29, Issue 5, Article No. 65, DOI: 10.1007/s00041-023-10045-z	Q2
106	A. Klick, N. Strungaru	On higher dimensional arithmetic progressions in Meyer sets	**J. Aust. Math. Soc. 114** (2023), 312–336 DOI: 10.1017/S1446788721000215	Q2
107	T. Spindeler, N. Strungaru	Tempered distributions with translation bounded measure as Fourier transform and the generalized Eberlein decomposition	**Mathematische Nachrichten** (2023), pp. 1-25, DOI: 10.1002/mana.202100658	Q2
108	L. Ornea, M. Verbitsky, V. Vuletescu	Do products of compact complex manifolds admit LCK metrics?	**Bulletin of the London Mathematical Society** (2023), DOI: 10.1112/blms.12962	Q1
109	L. Ornea, A. Otiman, M. Stanciu	Compatibility between non-Kähler structures on complex nilmanifolds	**Transformation Groups** 28 (2023), pp. 1669-1686, DOI: 10.1007/s00031-022-09729-5	Q1

110	G. Horel, M. Palmer	Motivic homological stability of configuration spaces	**Bulletin of the London Mathematical Society** (2023), Vol. 55, Issue 2, pp. 892-913 DOI: 10.1112/blms.12766	Q1
111	M. Petrica, I. Popescu	Inverse problem for parameters identification in a modified SIRD epidemic model using ensemble neural networks	**BioData Mining**, Vol. 16, Issue 1, Article No. 22, 2023, DOI: 10.1186/s13040-023-00337-x	Q1
112	I. Popescu, T. Vaidya	Averaging plus learning models and their asymptotics	**Proceedings of the Royal Society A-Mathematical, Physical and Engineering Sciences** 479 (2023), Issue 2275, Article No. 20220681, DOI: 10.1098/rspa.2022.0681	Q2
113	E. Fricain, A. Hartmann, W. Ross, D. Timotin	Sharp Estimates of the Solutions to Bezout's Polynomial Equation and a Corona Theorem	**Journal of Geometric Analysis** (2023), Vol. 33, Issue 8, Article No. 256, DOI: 10.1007/s12220-023-01315-9	Q2
114	J. O'Rourke, C. Vîlcu	Cut locus realizations on convex polyhedra	**Computational Geometry: Theory and Applications** 114 (2023), Art. No. 102010, DOI: 10.1016/j.comgeo.2023.102010	Q3
115	I. Beltita, D. Beltita	On stably finiteness for C^*-algebras of exponential solvable Lie groups	**Mathematische Zeitschrift** 304 (2023), Issue 1, Article No. 2, DOI: 10.1007/s00209-023-03256-z	Q1
116	M. Staic	Existence of the det^{S^2} map	**Bull. Lond. Math. Soc.** 55 (2023), Issue 4, pp. 1551-2086, DOI: 10.1112/blms.12812	Q1
117	M. Staic	The exterior graded Swiss-Cheese Operad Λ^{S^2}	**Communications in Algebra** 51 (2023), Issue 7, pp. 2705-2728, DOI: 10.1080/00927872.2023.2171426	Q3
118	L. Ornea, M. Verbitsky	Supersymmetry and Hodge theory on Sasakian and Vaisman manifolds	**Manuscripta Mathematica** 170 (2023), Issue 3-4, pp. 629-658 DOI: 10.1007/s00229-021-01358-8	Q2

119	L. Ornea, M. Verbitsky	Non-linear Hopf Manifolds are Locally Conformally Kähler	**Journal of Geometric Analysis** 33 (2023), Issue 7, Article No. 201, DOI: 10.1007/s12220-023-01273-2	Q2
120	M. Cimpoeas, A. Teodor	A note on the restricted k-multipartition function	**University Politehnica of Bucharest cientific Bulletin-Series A-Applied Mathematics and Physics** 85 (2023), Issue 3, pp. 11-18	Q3
121	M. Cimpoeas, A. Neacsu	Geometrical isomorphisms between categories of fuzzy coverings and fuzzy partitions	**Fuzzy Sets and Systems** 461 (2023), Article No. 108493, DOI: 10.1016/j.fss.2023.02.014	Q1
122	F. Nichita	Unification Theories: Rings, Boolean Algebras and Yang-Baxter Systems	**Axioms** 12 (2023), Issue 4, Article No. 341 DOI: 10.3390/axioms12040341	Q2
123	C. A.-M. Anghel	$U\_q(sl(2))$-quantum invariants from an intersection of two Lagrangians in a symmetric power of a surface	**Trans. Amer. Math. Soc.** 376 (2023), pp. 7139-7185, DOI: 10.1090/tran/8962	Q1
124	C. A.-M. Anghel	Witten-Reshetikhin-Turaev invariants for 3-manifolds from Lagrangian intersections in configuration spaces	**Quantum Topol.** 14 (2023), no. 4, pp. 693-731, DOI: 10.4171/QT/190	Q1
125	R. Gaba, V. Olteanu	Heegner points, Fricke involution and algorithms complexity	**University Politehnica of Bucharest cientific Bulletin-Series A-Applied Mathematics and Physics** 85 (2023), Issue 3, pp. 29-36	Q3
126	J. Bassi, F. Rădulescu	An example of a non-amenable dynamical system which is boundary amenable	**Proc. Amer. Math. Soc.** 151 (2023), Issue 6, pp. 2459-2462, DOI: 10.1090/proc/16239	Q2
127	I. Chiose, M. Toma	Positive currents on non-Kählerian surfaces	**Math. Res. Lett.** 30 (2023), No. 2, pp. 375-412, DOI: 10.4310/MRL.2023.v30.n2.a4	Q1

128	M. Bucataru, I. Cimpean, L. Marin	Stable reconstruction of discontinuous solutions to the Cauchy problem in steady-state anisotropic heat conduction with non-smooth coefficients	**ESAIM: Mathematical Modelling and Numerical Analysis** 57 (2023), Issue 2, pp. 1029-1062, DOI: 10.1051/m2an/2023014	Q1
129	D. Ionescu-Kruse, R. Ivanov	Nonlinear two-dimensional water waves with arbitrary vorticity	**Journal of Differential Equations** 368 (2023), pp. 317-349, DOI:10.1016/j.jde.2023.05.047	Q1
130	D. Beltita, G. Larotonda	Unitary group orbits versus groupoid orbits of normal operators	**The Journal of Geometric Analysis** 33 (2023), Issue 3, Article No. 95, pp. 1-44, DOI: 10.1007/s12220-022-01187-5	Q1
131	Y. Chen, C. Joiţa, M. Tibăr	Fibrations of tamely composable maps	**Journal of Geometry and Physics** 194 (2023), Article No. 105025, DOI: 10.1016/j.geomphys.2023.105025	Q1
132	M. Palmer, U. Tillmann	Homology stability for asymptotic monopole moduli spaces	**Proceedings of the Royal Society A** (2023) vol. 479, Article No. 20230300, DOI: 10.1098/rspa.2023.0300	Q1
133	C.-Y. Hsiao, X. Ma, G. Marinescu	Geometric quantization on CR manifolds	**Commun. Contemp. Math.** 25 (2023), Issue 10, Article No. 2250074, DOI: 10.1142/S0219199722500742	Q1
134	C. Cobeli, A. Zaharescu	A bias parity slope on the simplest non-periodic binary words	**Chaos Solitons & Fractals** 169 (2023), Paper No. 113257, pp. 1-12 DOI: 10.1016/j.chaos.2023.113257	Q1
135	J. Athreya, C. Cobeli, A. Zaharescu	Visibility phenomena in hypercubes	**Chaos Solitons & Fractals** 175 Part I (2023), Paper No. 114024, pp. 1-12 DOI: 10.1016/j.chaos.2023.114024	Q1
136	C. Anghel	Heat kernel asymptotics for real powers of Laplacians	**Canadian Journal of Mathematics** (2023), pp. 1-27, DOI: 10.4153/S0008414X23000068	Q1

137	M. Cimpoeas	A note on the action of the Hecke group H(2) on subsets of the for $\mathbb{Q}^*(\sqrt{n})$	**J. Algebra Appl.** 22 (2023), No. 6, Paper No. 2350218, pp. 1-5 DOI: 10.1142/S0219498823502183	Q3
138	M. Cimpoeas, A. Radu	On the monoid algebra associated to the monomial characters of a finite group	**Quaestiones Mathematicae** 46 (2023), Issue 10, pp. 2065-2078 DOI: 10.2989/16073606.2022.2142862	Q3
139	M. Cimpoeas	On a generalization of monomial groups	**Monatshefte für Mathematik** 202 (2023), No. 1, pp. 53-64 DOI: 10.1007/s00605-022-01762-6	Q2
140	C. Tatakis, A. Thoma, M. Vladoiu	The Markov complexity of book graphs	**Linear Algebra Appl** 661 (2023) pp. 51-78, DOI: 10.1016/j.laa.2022.12.012	Q2
141	A. Dimca	Unexpected curves in P^2, line arrangements, and minimal degree of Jacobian relations	**Journal of Commutative Algebra** 15 (2023), pp. 15-30, DOI: 10.1216/jca.2023.15.15	Q3
142	A. Dimca, P. Pokora	Maximizing Curves Viewed as Free Curves	**International Mathematics Research Notices** 2023 (2023), Issue 22, pp. 19156-19183, DOI: 10.1093/imrn/rnad042	Q1
143	A. Dimca, G. Ilardi, G. Sticlaru	Addition-deletion results for the minimal degree of a Jacobian syzygy of a union of two curves	**Journal of Algebra** 615 (2023), pp. 77-102, DOI: 10.1016/j.jalgebra.2022.10.019	Q1
144	J. Gamain, D. Mollinedo, C. A. Tudor	High-dimensional regime for Wishart matrices based on the increments of the solution to the stochastic heat equation	**Braz. J. Probab. Stat.** 37 (2023), Issue 2, pp. 412-430, DOI: 10.1214/23-BJPS574	Q3
145	A. Mustățea	Stochastic integration in Riemannian manifolds from a functional-analytic point of view	**Journal of Functional Analysis** 284 (2023), Issue 12, Article No. 109915, DOI 10.1016/j.jfa.2023.109915	Q1

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. Buliga	Dissipation and the information content of the deviation from hamiltonian dynamics	**Ann. Acad. Rom. Sci., Math. Appl.** 15 (2023), No. 1-2, pp. 366-382, DOI: 10.56082/annalsarscimath.2023.1-2.366
2	D. Tiba	Optimality conditions and Lagrange multipliers for shape and topology optimization problems	**Atti della Accademia Peloritana dei Pericolanti Classe di Scienze Fisiche, Matematiche e Naturali**, Vol. 101, No. 1, A9 (2023), DOI: 10.1478/AAPP.1011A9
3	P. de la Harpe, F. Rădulescu	On Bergman space zero sets. Editors' comments on the article by Vaughan Jones	**Enseign. Math.** 69 (2023), no. 1/2, pp. 37–50 DOI: 10.4171/LEM/1046
4	P. de la Harpe, A. Karlsson, T. Nagnibeda, F. Rădulescu	Vaughan Jones (1952–2020)	**Enseign. Math.** 69 (2023), no. 1/2, pp. 1-4 DOI: 10.4171/LEM/1046 *(editorial material)*
5	C. Joița, M. Putinar	Preface to the special issue in memory of Mihnea Coltoiu	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 1-5 *(editorial material)*
6	L. Beznea	Four decades ago	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 7-8
7	I. Chiose, M. Toma	Positive currents on non-Kählerian surfaces, II	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 19-32
8	I. Coandă	Stable rank 3 vector bundles on P^3 with c_1=0, c_2=3	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 33-60
9	D. Coman, G. Marinescu, H. Wang	Singular holomorphic Morse inequalities on noncompact manifolds	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 61-82, DOI: 10.59277/RRMPA.2023.149.167

10	E. Mihăilescu	Dimensions of measures, degrees, and folding entropy in dynamics	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 149-167, DOI: 10.59277/RRMPA.2023.149.167
11	O. Preda	LcK spaces. A short survey	**Rev. Roumaine Math. Pures Appl.** 68, No. 1-2 (2023), pp. 191-198
12	V. Dragan, I. Popa, S. Aberkane, T. Morozan	On the stability and mean square stabilization of a class of linear stochastic systems controlled by impulses	**Ann. Acad. Romanian Sci. Ser. Math. Its Appl.** 15 (2023), No. 1-2, pp. 45-72, DOI: 10.56082/annalsarscimath.2023.1-2.45
13	M. Anton	Relative Brauer relations of Abelian p-groups	**Rev. Roumaine Math. Pures Appl.** 68 (2023), No. 3-4, pp. 347-367, DOI: 10.59277/RRMPA.2023.347.367

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	I. Țuțu	SpeX: A Rewriting-Based Formal Specification Environment	In: Madeira, A., Martins, M.A. (eds) **Recent Trends in Algebraic Development Techniques**. WADT 2022. Lecture Notes in Computer Science, Vol. 13710 (2023). Springer, Cham, DOI: 10.1007/978-3-031-43345-0_8
2	S. Bomher, B. Ichim	On the adjacency matrix of spatio-temporal neural network architectures for predicting traffic	In **Proceedings of the 9th International Conference on Vehicle Technology and Intelligent Transport Systems** (VEHITS 2023), pp. 321-328, DOI: 10.5220/0011971300003479
3	C. Anghel, D. Cheptea	Lie algebroids and weight systems	In: Dobrev, V. (eds) Lie Theory and Its Applications in Physics. LT 2021**. Springer Proceedings in Mathematics & Statistics**, Vol. 396 (2023). Springer, Singapore, DOI: 10.1007/978-981-19-4751-3_46

4	M. Barcău, C. Lupașcu, V. Pașol, G Țurcaș	Bridges Connecting Encryption Schemes	In: Bella, G., Doinea, M., Janicke, H. (eds) **Innovative Security Solutions for Information Technology and Communications**. SecITC 2022. Lecture Notes in Computer Science, Vol. 13809 (2023), Springer, Cham, DOI: 10.1007/978-3-031-32636-3_3
5	M. Prunescu	Symmetric functions over finite fields	**Electronic Proceedings in Theoretical Computer Science** 389 (2023), pp. 131-143, DOI: 10.4204/EPTCS.389.11
6	A. Docef, R. Negulescu, M. Prunescu	Using Z3 to Verify Inferences in Fragments of Linear Logic	**Electronic Proceedings in Theoretical Computer Science** 389 (2023), pp. 11-25, DOI: 10.4204/EPTCS.389.2
7	A. Marcu, M. Pirvu, D. Costea, E. Haller, E. Slusanschi, A. Belbachir, R. Sukthankar, M. Leordeanu	Self-supervised Hypergraphs for Learning Multiple World Interpretations	**2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW)**, Paris, France, 2023, pp. 983-992, DOI: 10.1109/ICCVW60793.2023.00105.
8	L. Bicsi, B. Alexe, R. T. Ionescu, M. Leordeanu	JEDI: Joint Expert Distillation in a Semi-Supervised Multi-Dataset Student-Teacher Scenario for Video Action Recognition	**2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW),** Paris, France, 2023, pp. 953-962, DOI: 10.1109/ICCVW60793.2023.00102
9	M. Masala, N. Cudlenco, T. Rebedea, M. Leordeanu	Explaining Vision and Language through Graphs of Events in Space and Time	**2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW),** Paris, France, 2023, pp. 2818-2823, DOI: 10.1109/ICCVW60793.2023.00302
10	M. Pirvu, A. Marcu, A. Dobrescu, N. Belbachir, M. Leordeanu	Multi-Task Hypergraphs for Semi-supervised Learning using Earth Observations	**2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW)**, Paris, France, 2023, pp. 3396-3406, DOI: 10.1109/ICCVW60793.2023.00365
11	C. Hristea, F. Țiplea	Destructive Privacy and Mutual Authentication in Vaudenay's RFID Model	**Soft Computing Applications**, Advances in Intelligent Systems and Computing, vol. 1438 (2023), pp. 648–676, Springer, Cham, DOI: 10.1007/978-3-031-23636-5_51

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	Cristodor Ionescu	Classes of Good Noetherian Rings	Birkhäuser Cham	480	2023	978-3-031-22291-7 DOI: 10.1007/978-3-031-22292-4
2	Joseph O'Rourke, Costin Vîlcu	Reshaping Convex Polyhedra	Springer	243	2023/ 2024	978-3-031-47510-8
3	Ana Agore	A First Course in Category Theory	Springer Cham	284	2023	978-3-031-42898-2 DOI: 10.1007/978-3-031-42899-9
4	Marian Anton, Karen Santoro	Applied Algebra	Kendall Hunt	277	2023	979-8-765-78088-6

Tabel II.2 Capitole de cărți/tratate/monografii

Nr. Crt.	Autorii capitolului	Titlul capitolului	Titlul și editorii cărții	Număr pagini	Editura	ISBN
1	D. Tiba	Optimal Control Approaches in Shape Optimization	Impact of Scientific Computing on Science and Society vol. 58 (2023); Editors: P. Neittaanmäki, M.-L. Rantalainen	195-206	Springer Cham	978-3-031-29081-7
2	O. Dumitrescu, R. Miranda	Cremona Orbits in P^4 and Applications	Trends in Mathematics: The Art of Doing Algebraic Geometry vol. 33 (2023); Editors: T. Dedieu, F. Flamini, C. Fontanari, C. Galati, R. Pardini	161-185	Birkhäuser Cham	978-3-031-11937-8

3	M. Brambilla, O. Dumitrescu, E. Postinghel	Weyl Cycles on the Blow-Up of P^4 at Eight Points	Trends in Mathematics: The Art of Doing Algebraic Geometry vol. 33 (2023); Editors: T. Dedieu, F. Flamini, C. Fontanari, C. Galati, R. Pardini	1-21	Birkhäuser Cham	978-3-031-11937-8
4	I. Beltita, D. Beltita	Solvable Lie Groups with Factor Regular Representations	Trends in Mathematics: Geometric Methods in Physics XXXIX; Editors: P. Kielanowski, A. Dobrogowska, G. Goldin, T. Goliński	137-145	Birkhäuser Cham	978-3-031-30283-1
5	D. Beltita	Lecture Notes on Quantization and Group C*-Algebras	Trends in Mathematics: Geometric Methods in Physics XXXIX; Editors: P. Kielanowski, A. Dobrogowska, G. Goldin, T. Goliński	319-327	Birkhäuser Cham	978-3-031-30283-1
6	R. Gaba	p-adic Galois representations attached to Elliptic Curves	Advances in Mathematics Research vol. 33 (2023) Editors: A. R. Baswell	79-134	Nova Science Publishers	979-8-88697-854-4

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

Nr. Crt.	Detalii produs/tehnologie/brevet
1	M. Buliga, Scientific Software, Molecular computers which are based on graph rewriting systems like chemlambda, chemSKI or Interaction Combinators (v1.0.0). Zenodo. Open source. https://doi.org/10.5281/zenodo.7306917
2	M. Prunescu, L. Sauras-Altuzarra, Text added in A000142 (formula omologata), Open source. Online Encyclopedia of Integer Sequences, https://oeis.org/A000142

IV. PREPRINTURI ELABORATE ÎN 2023

Nr. Crt.	Autori	Referințe preprint	Link către sursă (e.g. arXiv)
1	F. Belgun, B. Flamencourt, A. Moroianu	Weyl structures with special holonomy on compact conformal manifolds	arXiv:2305.06637
2	S. Balanescu, M. Cimpoeas	Depth and Stanley depth of powers of the path ideal of a path graph	arXiv:2303.01132
3	S. Balanescu, M. Cimpoeas	On the depth and Stanley depth of powers of the path ideal of a cycle graph	arXiv:2303.01132
4	S. Balanescu, M. Cimpoeas, C. Krattenthaler	On the quasi depth of monomial ideals	arXiv:2306.09450
5	M. Cimpoeas	On the quasi depth of monomial ideals. II	arXiv:2310.12339
6	M. Barcau, V. Pașol, G. Țurcaș	Composing Bridges	https://eprint.iacr.org/2023/722
7	A. Diaconu, B. Ion, V. Pașol, A. Popa	Residues of quadratic Weyl group multiple Dirichlet series	arXiv:2307.06223
8	S. Dascalescu, C. Nastasescu, L. Nastasescu	Picard groups of quasi-Frobenius algebras and a question on Frobenius strongly graded algebras	arXiv:2309.10169
9	A. Gheondea, B. Udrea	Partially Positive Semidefinite Maps on ∗-Semigroupoids and Linearisations	arXiv:2302.13107
10	R. Bhat, C. Cobeli, A. Zaharescu	On Quasi-Periodicity in Proth-Gilbreath Triangles	arXiv.2307.11776

11	J. Anderson, C. Cobeli, A. Zaharescu	Counterintuitive patterns on angles and distances between lattice points in high dimensional hypercubes	arXiv:2309.15338
12	R. Bhat, C. Cobeli, A. Zaharescu	Filtered rays over iterated absolute differences on layers of integers	arXiv:2309.03922
13	J. Anderson, F. Boca, C. Cobeli, A. Zaharescu	Distribution of angles to lattice points seen from a fast moving observer	arXiv:2307.14656
14	L. Ornea, M. Verbitsky	Bimeromorphic geometry of LCK manifolds	arXiv:2302.03422
15	L. Ornea, M. Verbitsky	Holomorphic tensors on Vaisman manifolds	arXiv:2301.01077
16	M. Palmer, X. Wu	On the homology of big mapping class groups	arXiv:2211.07470
17	M. Palmer, X. Wu	Big mapping class groups with uncountable integral homology	arXiv:2212.11942
18	M. Palmer, A. Soulié	Polynomiality of surface braid and mapping class group representations	arXiv:2302.08827
19	C. Blanchet, M. Palmer, A. Shaukat	Action of subgroups of the mapping class group on Heisenberg homologies	arXiv:2306.08614
20	G. Baditoiu	Completely Integrable Lax Pair equations for Connes-Kreimer Hopf algebra of rooted trees	arXiv:2312.00901
21	G. Arzhantseva, L. Păunescu	Constraint stability in permutations and action traces	arXiv:2304.07656
22	O. Preda, M. Stanciu	Locally conformally Kähler spaces and proper open morphisms	arXiv:2311.14372
23	I. Beltiţă, D. Beltiţă	On the regular representation of solvable Lie groups with open coadjoint quasi-orbits	arXiv:2305.04452

24	D. Beltiţă, F. Pelletier	Smooth Banach structure on leaf spaces and orbit spaces	arXiv:2305.16167
25	D. Beltiţă, K.-H. Neeb	Holomorphic extension of one-parameter operator groups	arXiv: 2304.09597
26	A. I. Bonciocat, N. C. Bonciocat, Y. Bugeaud, M. Cipu	Apollonius circles and the number of irreducible factors of polynomials	arXiv:2303.04033
27	N. C. Bonciocat	Irreducibility criteria for pairs of polynomials whose resultant is a prime number	arXiv:2311.18568
28	M. Del Mar González, L. Ignat, D. Manea, S. Moroianu	Concentration limit for non-local dissipative convection-diffusion kernels on the hyperbolic space	arXiv:2302.02624
29	I. Popescu, V. Constantinescu	Interpolation property for neural networks	arXiv:2304.10552
30	E. Fricain, A. Hartmann, W. T. Ross, D. Timotin	An analytic approach to estimating the solutions of Bézout's polynomial identity	arXiv:2310.12734
31	M. Aprodu, G. Farkas, C. Raicu, A. Sammartano, A. Suciu	Higher resonance schemes and Koszul modules of simplicial complexes	arXiv:2309.00609
32	Z. Gao, C. Raicu, K. VandeBogert	Some questions arising from the study of cohomology on flag varieties	arXiv:2308.04334
33	C. Raicu, K. VandeBogert	Stable sheaf cohomology on flag varieties	arXiv:2306.14282
34	M. Aprodu, G. Farkas, C. Raicu, A. Suciu	Reduced resonance schemes and Chen ranks	arXiv:2303.07855

35	M. Barcau, V. Paşol, G. Ţurcaş	Composing Bridges	https://eprint.iacr.org/2023/722
36	G. Di Fratta, V. Slastikov, A. Zarnescu	Sufficient conditions for the existence of minimizing harmonic maps with axial symmetry in the small-average regime	arXiv:2307.12934
37	D. Golovaty, J. Taylor, R. Venkatraman, A. Zarnescu	Interaction energies in paranematic colloids	arXiv:2308.06331
38	Z. Geng, A. Roy, A. Zarnescu	Global existence of Weak Solutions for a model of nematic liquid crystal-colloidal interactions	arXiv:2310.16245
39	S. Burciu	On Harada's identity and some other consequences of Burnside's vanishing property,	arXiv:2306.11721
40	S. Burciu, S. Palcoux	Burnside type results for fusion rings	arXiv:2302.07604
41	H. Cornean, D. Helffer, R. Purice	Matrix representation of Magnetic pseudo-differential operators via tight Gabor frames.	arXiv:2212.12229v2
42	A. Sipoş	The computational content of super strongly nonexpansive mappings and uniformly monotone operators	arXiv:2303.02768
43	A. Sipoş	Normal forms and representable functions in Moisil logic	arXiv:2304.00288
44	G. Ţurcaş	On the p-isogenies of elliptic curves with multiplicative reduction over quadratic fields	arXiv:2305.19969v1
45	A. Popa	A trace formula for Hecke operators on Fuchsian groups	arXiv:2306.10396
46	M. Fulger, N. Ray	Positivity and base loci for vector bundles revisited	arXiv:2303.13201
47	S. Aberkane, V. Dragan	An addendum to the problem of zero-sum LQ stochastic mean-filed dynamic games	arXiv:2302.09609
48	R. Diaconescu	3/2-comorphisms http://imar.ro/~diacon/AXMODproject/docs/32com.pdf	

49	R. Dinu, M. Vodicka	Phylogenetic degrees for claw trees	arXiv:2303.16812
50	R. Dinu, R. Navarra	On the rook polynomial of grid polyominoes	arXiv:2309.01818
51	R. Dinu, M. Vodicka	Classification of normal phylogenetic varieties for tripods	arXiv:2309.05301
52	I. Țuțu	Bisimulations in an arbitrary stratified institution	http://imar.ro/~itutu/papers/basi.pdf
53	I. Țuțu	Transporting connectives along parchment addenda	http://imar.ro/~itutu/papers/tcpa.pdf
54	H. Cheval, L. Leuștean	Linear rates of asymptotic regularity for Halpern-type iterations	arXiv:2303.05406
55	L. Maxim, M. Tibār	Morse numbers of complex polynomials	arXiv:2307.04032
56	Y. Liu, L. Maxim, B. Wang	Brylinski-Radon transformation and generic projections	arXiv:2307.00352
57	Y. Liu, L. Maxim, B. Wang	Cohomology of Z-local systems on complex hyperplane arrangement complements	arXiv:2209.13193v2
58	V. Cortes, L. David	Classification of odd generalized Einstein metrics on 3-dimensional Lie groups	arXiv:2311.00380
59	C. Murea, D. Tiba	Penalization of stationary Navier-Stokes equations and applications in topology optimization	arXiv:2212.04796
60	C. Murea, D. Tiba	Topology optimization and boundary observation for clamped plates	arXiv:2310.11905
61	A. Măcinic, P. Pokora	Addition-deletion results for plus-one generated curves	arXiv:2310.19610
62	A. Măcinic, P. Pokora	On plus-one generated conic-line arrangements with simple singularities	arXiv:2309.15228
63	A. Măcinic, J. Vallès	A geometric perspective on plus-one generated arrangements of lines	arXiv:2309.10501

64	A. Măcinic	On torsion freeness for the decomposable Orlik-Solomon algebra	arXiv:2212.12275v2
65	B. Ichim, J. Moyano	On the consistency of the score sheets of a round-robin football tournament	arXiv:2208.12372
66	A. Agore	Functors between representation categories. Universal modules	arXiv:2301.03051v2
67	S. Lippold, M. Staic	Existence of the Map det^{S^3}	arXiv:2211.10375v2
68	R. Stan	Spectral convergence of the Dirac operator on typical hyperbolic surfaces of high genus	arXiv:2307.01074
69	G. Militaru	On the structure and classification of Bernstein algebras	arXiv:2203.13627v2
70	A. Chirvasitu, G. Militaru	A universal-algebra and combinatorial approach to the set-theoretic Yang-Baxter equation	arXiv:2305.14138
71	M. Joiţa	Extremal marginals of an unbounded local completely positive and local completely contractive map	arXiv:2203.16873v2
72	M. Joiţa	Local boundary representations for local operator systems	arXiv:2312.14477
73	D. Kosta, A. Thoma, M. Vladoiu	The strongly robust simplicial complex of monomial curves	arXiv:2305.11743
74	A. Dimca, G. Ilardi	On the duals of smooth projective complex hypersurfaces	arXiv:2301.06952
75	A. Dimca	On free and plus-one generated curves arising from free curves by addition-deletion of a line	arXiv:2310.08972
76	A. Dimca, P. Pokora, G. Sticlaru	On the Alexander polynomials of conic-line arrangements	arXiv:2305.01450
77	I. Nenciu, X. Shen, C. Sparber	Nonlinear bound states with prescribed angular momentum	arXiv:2303.02236

78	Dimca, G. Ilardi, P. Pokora, G. Sticlaru	Construction of free curves by adding lines to a given curve	arXiv:2301.01117
79	D. Beltita, K.-H. Neeb	Holomorphic extension of one-parameter operator groups	arXiv:2304.09597
80	I. Beltita, D. Beltita	On the regular representation of solvable Lie groups with open coadjoint quasi-orbits	arXiv:2305.04452
81	R. Aimino, M. Nicol, A. Török	Stable laws for random dynamical systems	arXiv:2204.07814
82	C.-Y. Hsiao, X. Li, G. Marinescu	Semi-classical asymptotics of partial Bergman kernels on $\mathbb{R}$-symmetric complex manifolds with boundary	arXiv:2208.12412v2
83	D. Angella, A. Otiman	A note on compatibility of special Hermitian structures	arXiv:2306.02981
84	M. Fieraru, M. Zanfir, E. Oneata, A. Popa, V. Olaru, C. Sminchisescu	Reconstructing Three-Dimensional Models of Interacting Humans	arXiv:2308.01854
85	J. Endal, L. Ignat, F. Quirós	Heat equations with fast convection: source-type solutions and large-time behaviour	arXiv: 2303.01908

V.   CITĂRI

Vezi Anexa-Citari. În anul 2023 s-au acumulat peste 1077 de citări: 1008 de citări din reviste indexate Web of Science și 69 de citări din alte reviste (non-WoS). De asemenea, în Anexa-Citari sunt trecute 145 de citări (131 din reviste WoS și 14 non-WoS) la articole publicate în perioada 2019-2022, neincluse în rapoartele anterioare.

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 2023 în următoarele baze de date: Web of Science, SCOPUS, IEEE, reviste indexate CNCS (A sau B) și cărți.

VI. LUCRĂRI ȘI COMUNICĂRI PREZENTATE LA MANIFESTĂRI ȘTIINȚIFICE

Tabel VI.1 Lucrări prezentate la manifestări științifice, publicate integral în volume indexate în Web of Science - Conference Proceedings Citation Index (CPCI-S)

Nr. Crt.	Autorii lucrării	Titlul prezentării	Denumire conferință	Denumire revistă/volum, număr volum, pagini, editura
1	I. Beltiţă, D. Beltiţă	Solvable Lie groups with factor regular representations	XXXIX Workshop on Geometric Methods in Physics	Geometric methods in physics XXXIX, pp. 137-145, Trends Math., Birkhäuser/Springer, Cham 2023
2	S. Bomher, B. Ichim	On the adjacency matrix of spatio-temporal neural network architectures for predicting traffic	9-th International Conference on Vehicle Technology and Intelligent Transport Systems	VEHITS 2023, Proceedings of the 9-th International Conference on Vehicle Technology and Intelligent Transport Systems (2023), pp. 321-328

Tabel VI.2 Lucrări prezentate la manifestări științifice, publicate integral în volume editate cu ISBN (non WoS)

Nr. Crt.	Autorii lucrării	Titlul prezentării	Denumire conferință	Denumire revistă/volum, număr volum, pagini, editura, ISBN
1	C. Anghel, D. Cheptea	Lie algebroids and weight systems	XIV. International Workshop Lie Theory and Its Applications in Physics	Springer Proceedings in Mathematics & Statistics, Vol. 396, pp. 485-491 e-ISSN 2194-1017, ISSN 2194-1009
2	L. Bicsi, B. Alexe, R. T. Ionescu, M. Leordeanu	JEDI: Joint Expert Distillation in a Semi-Supervised Multi-Dataset Student-Teacher Scenario for Video Action Recognition	2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), Paris, France, 2-6 octombrie 2023	2023 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), Paris, France, pp. 953-962, ISBN: 979-8-3503-0745-0, e-ISBN: 979-8-3503-0744-3 DOI 10.1109/ICCVW60793.2023.00102

Tabel VI.3 Lucrări invitate (invited speaker) la manifestări științifice naționale sau internaționale

Nr. Crt.	Cercetător	Titlul prezentării	Detalii conferință/workshop
1	Ana Agore	The set theoretic Yang-Baxter equation, Kimura semigroups and functional graphs	Hopf Days in Brussels, Universite Libre de Bruxelles, Belgia, 4-6 septembrie 2023
2		The set theoretic Yang-Baxter equation, Kimura semigroups and functional graphs	Trends in representation theory and related topics, Universitatea Babes-Bolyai, 12-16 septembrie 2023
3		Universal constructions for Poisson algebras. Applications	Mini-Workshop: Poisson and Poisson type algebras, Oberwolfach, Germania, 15-20 octombrie 2023
4	Andrei Sipoș	Glimpses of proof mining	Meanings and understanding via proofs – Logical and epistemological approaches (CIVIS Summer School), București, 18 iulie 2023
5		The computational content of super strongly nonexpansive mappings	Workshop – Mathematical Logic: Proof Theory, Constructive Mathematics, Oberwolfach, Germania, 16 noiembrie 2023
6	Arghir Zărnescu	Symmetry and multiplicity of solutions in a two-dimensional liquid crystal model	"Topological and geometrical aspects in complex materials" Workshop, Hausdorff Institute, Bonn, Germania, martie 2023
7		On the motion of a large number of small rigid bodies in a viscous incompressible fluid	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
8	Aurelian Gheondea	Localisation of regularised and multiview support vector machine learning	Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Universitatea Babes-Bolyai, 1-3 decembrie 2023
9	Bogdan Ichim	On Applications of Combinatorial Learning	Oberseminar Algebra und Datenanalyse, Universität Osnabrück, Germania, 30 noiembrie 2023

10		Deformations of singular function germs	Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Universitatea Babes-Bolyai, 1-3 decembrie 2023
11	Cezar Joița	Projection of connected Stein open subsets via surjective holomorphic maps	Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Universitatea Babes-Bolyai, 1-3 decembrie 2023
12		Fibrations	Singularities and Applications, Université de Lille, Franța, 19 iunie 2023
13		On germs of morphisms between complex spaces	Seminar semiklassische Analysis und Darstellungstheorie, Univ. Köln, Germania, 17 octombrie 2023
14	Cipriana Anghel	Non-local coefficients in the heat asymptotics for real powers of Laplacians	Fourier Analysis and Spectral Theory Colloquium, Georg-August-Universität Göttingen, Germania, 27 aprilie 2024
15		Interpolation for neural networks	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
16	Ionel Popescu	Magic of Machine Learning	Masters of Mathematics, Colegiul Național de Informatică Tudor Vianu, Bucuresti, 28 februarie 2023
17		The Benford Law	Matematică și Școală, Sesiune adresată elevilor și dascălilor lor, Brănești, 5 mai 2023
18	Cristina Anghel	Globalising Jones and Alexander Polynomials (and their quantum generalisations) via configurations in the punctured disc	Mapping class groups: pronilpotent and cohomological approaches, SwissMAP Research Station, Les Diablerets, Elvetia, 21 septembrie 2023
19		Globalising Jones and Alexander polynomials via Lagrangians in configuration spaces	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023

20		Periodic Hamiltonian systems and applications in shape/topology optimization	Nonsmooth 2023, Banach Center, Bedlewo, Polonia, iunie 2023
21		A novel approach in shape/topology optimization	MIRTRE, R. Moldova, iunie 2023
22	Dan Tiba	Optimality conditions and Lagrange multipliers for shape and topology optimization problems	Conferința Diaspora 2023, Timișoara, aprilie 2023
23		Necessary conditions with Lagrange multipliers for shape/topology optimization problems	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
24		Topology optimization and boundary observation for clamped plates	Seminar Dietmar Hoemberg, Weierstrass Institut, Berlin, Germania, octombrie 2023
25		On the short-wavelength stabilities of some geophysical flows	„Nonlinear Dispersive Waves" conference, University College Cork, Irlanda, 24-25 aprilie 2023
26	Delia Ionescu-Kruse	Nonlinear two-dimensional water waves with arbitrary vorticity	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
27		Exact solutions and instability for geophysical fluid flows	Oberwolfach Workshop on „Transport and Scale Interactions in Geophysical Flows", Oberwolfach, Germania, 16-21 aprilie 2023
28	Dorin Popescu	Extensions of rings as filtered colimits of smooth or complete intersection algebras	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023

29		On the primitive ideal spectrum of solvable Lie groups	58th Seminar Sophus Lie, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germania, 9-10 martie 2023
30		Lie group representations and holomorphic extension of one-parameter operator groups	50 Anniversario del IAM, Instituto Argentino de Matematica, Buenos Aires, Argentina, 23-27 octomrbie 2023
31	Daniel Beltiță	Holomorphic extension of one-parameter groups and standard subspaces	Standard Subspaces in Quantum Field Theory and Representation Theory, Oberwolfach, Germania, 29 octombrie – 3 noiembrie 2023
32		Holomorphic extension of one-parameter operator groups with applications to Lie group representations	International Conference on Applied and Pure Mathematics, Gh. Asachi Technical University of Iași, 9-12 noiembrie 2023
33		Representation theory of solvable Lie groups and finite approximations of C∗-algebras	Representation Theory & Noncommutative Geometry, An AIM Research Community, 13 decembrie 2023
34	Eugen Mihăilescu	Dynamics and dimension for a class of skew-product transformations	Conference on Dynamics of (Semi)-Group Actions, Univ. of Lodz, Polonia, iunie 2023
35	Ingrid Beltiță	Open coadjoint orbits and representations of C* -algebras of solvable Lie groups	Conference on Noncommutative Harmonic Analysis and Rigidity Theory în Operator Algebras, TU Delft, Olanda, 21-25 august 2023
36		The backscattering transformation	Workshop on Microlocal Analysis and Mathematical Physics, Centre for Mathematical Sciences, Lund University, 19-21 septembrie 2023
37	Raluca Tanase	Critical loci in the Hénon family	Workshop Dynamics of Hénon maps: real, complex, and beyond, BIRS, Banff, Canada, 9-14 aprilie 2023
38		On the dynamics of the complex Hénon map I	Institut Mittag-Leffler, Suedia, 31 ianuarie 2023

39	Remus Radu	On the dynamics of the complex Hénon map II	Institut Mittag-Leffler, Suedia, 2 februarie 2023
40		The critical locus of a Hénon map	Workshop Two Dimensional Maps, Institut Mittag-Leffler, Suedia, 13-17 martie 2023
41	Laurențiu Leuștean	Proof mining and asymptotic regularity	Workshop Mathematical Logic: Proof Theory, Constructive Mathematics, Oberwolfach, Germania, 15 martie 2023
42		Proof mining in optimization and nonlinear analysis	Mathematical Logic Seminar, Universitatea din Lisabona, Portugalia, 12 mai 2023
43	Iulian Cîmpean	From Monte Carlo to neural network approximations of boundary value problems	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
44		On the singular value decomposition for the Poisson kernel	Potential Analysis Afternoon, București, 26 ianuarie 2023
45		Markov chain Monte Carlo: methods and applications	8th French-Romanian Summer School on Applied Mathematics, Sinaia, 5-13 iulie 2023
46		A probabilistic numerical approach to the inverse Cauchy problem	Bielefeld Stochastic Afternoon, Bielefeld University, Germania, 2 august 2023
47		From Monte Carlo to neural network approximations of boundary value problems	Mathematics and Machine Learning Workshop, București, 26 septembrie 2023
48		Ergodicity of Markov semigroups and application to singular SDEs	Analysis & Control of Deterministic and Stochastic Differential Equations, Institutul de Calcul Tiberiu Popoviciu, Cluj, 7 noiembrie 2023
49		From Monte Carlo to neural network approximations of boundary value problems	The 24th conference of the Romanian Society of Probability and Statistics, Academia de Studii Economice, București, 21-23 aprilie 2023

50	Laura Năstăsescu	On a class of quasi-Frobenius algebras	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
51	Liviu Ornea	Hopf manifolds. Old and new.	Cohomology of Complex Manifolds and Special Structures – III, Trento, Italia, 23-27 ianuarie 2023
52		Holomorphic connections on Hopf manifolds	A Complex Differential Geometry Meeting, Univ. di Torino, Italia, 17-19 mai 2023
53		Open questions concerning foliations in LCK geometry	Sasakian manifolds, Riemannian foliations, and related structures, University of Krakow, Polonia, 26-29 iunie 2023
54	Liviu Ignat	Asymptotic behavior of solutions for some diffusion problems on metric graphs	Fifth Romanian Itinerant Seminar on Mathematical Analysis and its Applications, Craiova, 26-28 mai 2023
55		Large-time behaviour for anisotropic stable nonlocal diffusion problems with convection	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
56	Lori Badea	Multilevel method for regularized Moreau-Yosida variational inequalities of the second kind	Numerical Analysis, Numerical Modeling, Approximation Theory (NA-NMAT 2023), Institutul de Calcul Tiberiu Popoviciu, Cluj, 6-10 noiembrie 2023
57	Lucian Beznea	A counter example on the Feller semigroups and Markov processes	Potential Analysis Afternoon, București, 26 ianuarie 2023
58		Measure-valued branching processes and nonlinear evolution equations on measures	Tenth Bielefeld-SNU joint Workshop in Mathematics, Bielefeld, Germania, 21-24 februarie 2023
59		Probabilistic characterisation for the differences of superharmonic functions	Harmonic and Complex Analysis: modern and classical, Bar-Ilan University, Ramat Gan, Israel, 18-23 iunie 2023

60		Nonlinear Dirichlet forms associated with quasiregular mappings	Bielefeld Stochastic Afternoon, Univ. Bielefeld, Germania, 2 august 2023
61		Multiplicative Lp-semigroups and continuous flows	The Fourth International Conference "Modern Problems in Applied Mathematics" (MPAM2023), Tbilisi State University, Georgia, 13-15 septembrie 2023
62		Stochastic solutions to evolution equations of non-local branching processes	Mathematics and Machine Learning Conference, București, 26 septembrie 2023
63		Path continuity of Markov processes and locality of Kolmogorov operators	Analysis & Control of Deterministic and Stochastic Differential Equations, Al. I. Cuza University of Iași, 28-30 septembrie 2023
64	Lucian Beznea	Nonlinear Dirichlet forms associated with quasiregular mappings	Recent results on analysis and geometry of (families of) Dirichlet spaces, Chemnitz University, Germania, 2-6 octombrie 2023
65		Nonlinear Dirichlet forms associated with quasiregular mappings	International Conference on Applied and Pure Mathematics 2023 (ICAPM 2023), Gh. Asachi Technical University of Iași, 9-12 noiembrie 2023
66		Nonlinear Dirichlet forms associated with quasiregular mappings (online talk)	Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Babes-Bolyai University, Cluj, 1-3 decembrie 2023
67		Greșeli în matematică	Conferința Anuală a Societății de Științe Matematice, Ediția XXV, Botoșani, 12-14 mai 2023
68	Marian Aprodu	Applications of Koszul modules and resonance	Geometry Topology and Algebra of Singular Spaces, București, 7-11 iulie 2023
69		Koszul Modules, resonance schemes and applications	Algebraic Geometry in l'Aquila, University of l'Aquila, Italia, 18-21 iulie 2023
70	Barbu Berceanu	A complete presentation of (C[X], o)	Geometry Topology and Algebra of Singular Spaces, București, 7-11 iulie 2023

71	Martin Palmer	Homology of big mapping class groups	Homology of groups and functors, Université de Lille, Franța, 9 iunie 2023
72		The homology of big mapping class groups	Homotopy: fruit of the fertile furrow, Isaac Newton Institute, Cambridge, Marea Britanie, 12 iunie 2023
73		Homological mapping class group representations and lower central series	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
74	Mihai Cipu	Bounds for the size of D(n)-sets	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
75	Nicolae Bonciocat	π and the irreducibility of polynomials that take a prime value	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
76	Ovidiu Preda	Compact lcK spaces: blow-ups and modifications	29th Nordic Congress of Mathematicians (with EMS), Aalborg University, Danemarca, 6 iulie 2023
77		Vaisman theorem and local reducibility	A day of complex geometry (Celebrating Victor Vuletescu on his 60th birthday), Universitatea din București, 19 iunie 2023
78	Radu Purice	Spectral regularity for a class of pseudo-differential operators with "dilation" perturbation	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
79		Lacunes spectrales des Hamiltoniens périodiques en dimension 2 induites par un champ magnétique,	2-me Symposium de la Recherche Scientifique Francophone en Europe Centrale et Orientale, București, 27 noiembrie 2023
80	Sergiu Moroianu	Gauss-Bonnet formulae on noncompact manifolds	Geometry beyond Riemann: Curvature and Rigidity, ESI Vienna, Austria, 12-16 octombrie 2023
81		The Gauss-Bonnet formula on polyhedral manifolds	Prospects in Geometry and Global Analysis, Universitatea Marburg, Rauischholzhausenschloss, Germania, 21-25 august 2023

82	Vasile Brînzănescu	Relating Catlin and D'Angelo q-types invariants	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
83	Vlad Matei	Hilbert irreducibility for some algebraic groups with density one	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
84	Marius Leordeanu	Closer to the Truth: Unsupervised Learning by finding Consensus among Multiple World Interpretations	Workshop Trust-AI: Human-centered approaches for trustworthy Artificial Intelligence, Smart Diaspora 2023 Conference, Timișoara, 11-12 aprilie 2023
85	Alina Marcu	Multi-task Learning in Space and Time for Drones using Hypergraph Consensus	Workshop Trust-AI: Human-centered approaches for trustworthy Artificial Intelligence, Smart Diaspora 2023 Conference, Timișoara, 11-12 aprilie 2023

Tabel VI.4 Comunicări orale prezentate la manifestări științifice internaționale

Nr. Crt.	Cercetător	Titlul prezentării	Detalii conferință/workshop
1	Ana Agore	Universal constructions for Poisson algebras. Applications	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
2	Liana David	B_n-Generalized Pseudo-Kahler structures	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
3	Anca Măcinic	A Yoshinaga-type criterion for POG arrangements	Geometry, Topology and Algebra of Singular Spaces, București, 7-11 iulie 2023
4		Ziegler restrictions and combinatorics of line arrangements	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023

5		The computational content of super strongly nonexpansive mappings	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
6	Andrei Sipoș	The computational content of super strongly nonexpansive mappings	Logic Colloquium 2023, University of Milan, Italia, 6 iunie 2023
7		Introduction to Type Theory for Interactive Theorem Proving	ILDS-FMI Coq and Lean Autumn School 2023, Bucuresti, 18 septembrie 2023
8		Ergodic billiards that are not QUE (following Hassel)	"Semiclassical limits of modes and quasi modes" Workshop, Institut de Mathématiques de Jussieu-Paris, Franta, 13 noiembrie 2023
9	Cipriana Anghel	Heat kernels of real powers of Laplacians as conormal sections in blow-up heat spaces	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023
10		Microlocal lifts of quantum measures on compact hyperbolic surfaces	"Arithmetic quantum unique ergodicity" Workshop, Institut de Mathématiques de Jussieu-Paris, Franta, 11 iunie 2023
11	Eugen Mihăilescu	Dynamics of semigroups and amalgamated pressure	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
12	Călin Spiridon	Graphs, Koszul modules and resonance schemes	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023
13		Compactification of moduli of vector bundles	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
14	Mihai Pavel	Projective moduli spaces of sheaves via restriction theorems	The 28th National School on Algebra, București, 26 iunie 2023
15		Compact moduli spaces of sheaves	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023

16	Cristian Cobeli	Bee's eyes among lattice points	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
17	Cristian Anghel	Ribbon structures derived from homotopy Leibniz algebras and symplectic Lie pairs	XV International workshop Lie Theory and Its Applications in Physics, Varna, Bulgaria, 19-25 iunie 2023
18	Dan Polișevschi	Heat transfer with interfacial barrier in a fine scale mixture of two highly different conductive materials	The 40th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, Institutul National de Cercetari Aerospatiale "Elie Carafoli", București, 19-20 octombrie 2023
19	Ruxandra Stavre, Alexandra Ciorogar	A thermal fluid-structure interaction problem: modeling, approximation algorithms and simulations	The 40th "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications, Institutul National de Cercetari Aerospatiale "Elie Carafoli", București, 19-20 octombrie 2023
20	Daniel Beltiță	Groupoid techniques in Hilbert space operator theory	LX Workshop on Geometric Methods in Physics, University of Bialystok, Polonia, 2-8 iulie 2023
21	Dorin Cheptea	Deformation quantization for the Poisson algebra of chord diagrams on surfaces	International Scientific Conference Mathematics & IT: Research and Education (MITRE-2023), Univ. de Stat din Moldova, Chișinău, R. Moldova, 26-29 iunie 2023
22	Dragoș Manea	Traffic lights optimisation using Payne-Whitham model	Networking in Applied Network Theory, Będlewo, Polonia, 23 februarie 2023
23		Concentration limit for non-local dissipative convection-diffusion kernels on the hyperbolic space	Nonlocal Equations: Analysis and Numerics, Bielefeld, Germania, martie 2023
24		Concentration limit for non-local dissipative convection-diffusion kernels on the hyperbolic space	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023

25	Florin Belgun	Special Riemannian and Weyl holonomy	Prospects în Geometry and Global Analysis, Castle Rauischholzhausen, Germania, 24 august 2023
26	Ionuț Țuțu	Narrowing revisited	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
27	Florin Ambro	On toric Fano fibrations	Fano varieties, their Geometry and Moduli, KIAS, Seoul, Coreea de Sud, 2 noiembrie 2023
28		On toric Fano fibrations	Workshop on Singularities and Torus Action, University of Oldenburg, Germania, 15 septembrie 2023
29		On toric Fano fibrations	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
30		Multiplicities along toric divisors	Birational Geometry Workshop, YMSC, Tsinghua University, Beijing, China, 29 iunie 2023
31		On the moduli part of adjunction	A Day of Complex Geometry, Univ. din București, 19 iunie 2023
32	Laurențiu Leuștean	Proof mining and asymptotic regularity	Logic Colloquium 2023, Universita Degli Studi di Milano, Italia, 6 iunie 2023
33	Liviu Păunescu	Examples of countable groups stable in permutations	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
34		Automorphisms of the universal sofic group	A day in operator algebras: Serban Stratila`s 80th birthday, București, 28 iunie 2023
35	Florin Rădulescu	On the shape of Vaughan Jones's "mystery vector" in dimension 13	A day in operator algebras: Serban Stratila`s 80th birthday, București, 28 iunie 2023
36	Gheorghe Bucur	Sets of functions which have property (V). The von Neumann Density Theorem	*Conference in honor of Nicolae Popa*, București, 29 iunie 2023
37		Non extinction versus Compactness Inverse Tchebyshev Inequality	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023

38	Lori Badea	Multigrid Uzawa algorithm for general saddle point problems	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
39		Asymptotic behavior of solutions for some diffusion problems on metric graphs	PDE SEMINAR, UAM – ICMAT, Madrid, Spania, 9 octombrie 2023
40		Asymptotic behavior of solutions for some diffusion problems on metric graphs	NCSU Differential Equations/Nonlinear Analysis Seminars, NC State University, SUA, 20 septembrie 2023
41		Asymptotic behaviour of solutions for some diffusion problems on a metric graph	MAFIA Seminar, Faculty of Nuclear Sciences and Physical Engineering, Praga, Republica Ceha, 13 iunie 2023
42	Liviu Ignat	Asymptotic behavior of solutions for some diffusion problems on metric graphs	Mini-workshop: Analysis, Numerics and Control, FAU, Erlangen, Germania, 11 mai 2023
43		Large-time behaviour for anisotropic stable nonlocal diffusion problems with convection, Nonlocal Equations	Nonlocal Equations: Analysis and Numerics, Bielefeld University, Germania, 6 octombrie 2023
44		Asymptotic behavior of solutions for some diffusion problems on metric graphs	Numerical and theoretical advances in quantum mechanics conference, Univ. Toulouse, Franta, 12-20 ianuarie 2023
45	Florin Nichita	Rings, Boolean Algebras and Yang-Baxter systems	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
46	Martin Palmer	The homology of big mapping class groups	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023
47	Mihai Prunescu	Zero-knowledge proofs	RV/ILDS Blockchain Workshop, Institute of Logic and Data Science, București, 22 martie 2023
48		Some rings have the same diophantine theory as Z	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023

49		On the monoid algebra associated to the monomial characters of a finite group	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023
50	Mircea Cimpoeaș	On the quasi depth of monomial ideals	The 28th National School on Algebra: Interactions between Algebra and Geometry in Bucharest, Universitatea din București, 24-28 iunie 2023
51		On almost monomial groups	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
52	Miron Stanciu	Modifications of locally conformally Kähler spaces	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
53	Mugurel Barcău	Bridges Connecting Encryption Schemes	SecITC: International Conference on Security for Information Technology and Communications, București, 8-9 decembrie 2023
54	Ovidiu Preda	Blow-ups and modifications of lcK spaces	Workshop for Young Researchers in Mathematics, 12th edition, Iași, 18-19 mai 2023
55		Kähler and locally conformally Kähler metrics	Mathematical Colloquia, Universität Bern, Elveția, 25 septembrie 2023
56	Rareș Stan	Uniformization of Riemann surfaces revisited	Geometry Seminar, University of Bristol, Marea Britanie, 28 februarie 2023
57		The Selberg trace formula for spin Dirac operators on degenerating hyperbolic surfaces	Seminar on Algebraic Topology, University of Göttingen, Germania, 26 aprilie 2023
58	Sebastian Burciu	Burnside vanishing type results for fusion categories	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
59		On the zero entries in the character table of a fusion category	Groups, Rings, Lie and Hopf Algebras. V, Memorial University of Newfoundland Harlow, Marea Britanie, 21-25 august 2023

60		Microlocalization of quantum measures	Arithmetic quantum unique ergodicity, Institut Mathematique de Jussieu, Cap Ferret, Franta, 12-16 iunie 2023
61	Sergiu Moroianu	Localization of random Schrödinger operators on graphs using fractional moments of Green operators	Andersson Localization, Institut Mathematique de Jussieu, Auffargis, Franta, 13-17 noiembrie 2023
62	Adrian Diaconu	Uniform homological stability and moments of L-functions	The Tenth Congress of Romanian Mathematicians, Pitești, 30 iunie – 5 iulie 2023
63		A game-theoretical model for a stochastic linear quadratic tracking problem	Mathematical Modelling in Engineering & Human Behaviour 2023 Conference (MME&HB 2023), Universitat Politècnica de València, Spania, 11-14 iulie 2023
64	Vasile Drăgan	A criterion for mean square exponential stability	The First Sharjah International Conference on Mathematical Sciences (SICMS23), University of Sharjah, EAU, 6-8 noiembrie 2023

VII. VIZITE DE CERCETARE/COLABORĂRI ȘTIINȚIFICE

Cercetător	Detalii vizite științifice (perioada, universitatea/institutul/programul de cercetare, țara)
Liviu Ignat	ICMAT - Universidad Autonoma de Madrid, **Spania** Czech Technical University, Prague, **Republica Cehă** Friedrich-Alexander-Universitat Erlangen-Nurnberg, **Germania** Université Paul Sabatier, Toulouse, **Franța**
Ana Agore	2 stagii de cercetare la Vrije Universiteit Brussel, **Belgia** Mathematisches Forschungsinstitut Oberwolfach – co-organizator Mini-Workshop "Poisson and Poisson type structures'', **Germania**

Bogdan Ichim	Stagiu de cercetare la Universitatea din Osnabrück, **Germania**
Dan Tiba	Univ. Mulhouse, **Franța,** colaborare cu Murea Cornel în topology optimization Weierstrass Institute, Berlin, **Germania**
Florin Ambro	Universitatea Oldenburg, **Germania** IBS Center (Pohang), KIAS (Seoul), Yonsei University (Seoul), **Coreea de Sud**
Raluca Tanase	Institut Mittag-Leffler, **Suedia**; membru al programului de cercetare *Two Dimensional Maps* Vizită de cercetare la BIRS, Banff, **Canada**
Remus Radu	Institut Mittag-Leffler, **Suedia**; membru al programului de cercetare *Two Dimensional Maps* Vizită de cercetare la BIRS, Banff, **Canada**
Lucian Beznea	Vizită științifică la Univ. Paris Nord, **Franța** în cadrul rețelei IRN cu CNRS 3 stagii de cercetare la Bielefeld University, **Germania**
Marian Aprodu	Humboldt University Berlin, **Germania**
Ovidiu Preda	Aarhus University, Aarhus, **Danemarca**
Laurentiu Leuștean	Universitatea din Lisabona, **Portugalia**
Ruxandra Stavre	Universitatea Jean Monnet, Saint Etienne, **Franța**
Dragoș Manea	Internship la "Chair for Dynamics, Control, Machine Learning and Numerics - Alexander von Humboldt Professorship", Friedrich-Alexander-Universität Erlangen-Nürnberg, **Germania** Stagiu de cercetare la Universidad Autónoma de Madrid & ICMAT - Instituto de Ciencias Matemáticas în cadrul evenimentului *2023 Thematic Period PDEs ICMAT-UAM,* **Spania** Stagiu de cercetare la Basque Center for Applied Mathematics, Bilbao, **Spania**
Răzvan Diaconescu	National Technical University Athens, **Grecia**
Cristina Palmer-Anghel	Imperial College London, **Anglia**

Martin Palmer-Anghel	Universidad Autónoma de Madrid, **Spania** Institut Fourier (Université Grenoble Alpes), **Franța**
Radu Purice	vizită științifică la Univ. Nantes, **Franța**. Colaborări științifice cu Bernard Helffer și Horia Cornean. Expunere invitată în Seminarul Grupului de Analiză al Univ. Nantes
Eugen Mihăilescu	University of Lodz, **Polonia**
Vicențiu Rădulescu	AGH University of Krakow, **Polonia**
Laura Năstăsescu	vizită de cercetare la Institutul Max Planck, Bonn, **Germania**
Arghir Zărnescu	Ianuarie-martie 2023, Hausdorff Institute, Bonn, în timpul programului "Mathematics for Complex Materials", **Germania**
Dan Timotin	vizită la Georgia Tech, Atlanta, **SUA**; colaborare cu Wing Suet Li
Ionel Popescu	Bilbao, **Spania** (colaborare pe probleme de ecuații cu derivate partiale, procese stocastice și machine learning)
Dorin Cheptea	State University of Moldova, Chișinău, **Republica Moldova**
Iulian Cîmpean	2 stagii de cercetare la Bielefeld University, **Germania** Stagiu de cercetare la BCAM, **Spania**
Delia Ionescu-Kruse	Erwin Schrödinger International Institute for Mathematics and Physics (ESI), Viena, în cadrul programului științific intitulat „The Dynamics of Planetary-scale Fluid Flows", **Austria**
Mihai Pavel	stagiu de cercetare la Institutul Élie Cartan, Nancy, **Franța**, în cadrul proiectului GDRI ECO-Math
Miron Stanciu	vizită științifică la Univ. Aarhus, **Danemarca**
Cezar Joița	Université de Lille, **Franța;** Universität zu Köln, **Germania;** Université de Lille, **Franța**
Rareș Stan	Universitatea din Bristol, **Anglia** (colaborare cu Laura Monk)
Cipriana Anghel	Universitatea din Göttingen, **Germania**

VIII. MANIFESTĂRI ȘTIINȚIFICE ORGANIZATE SAU CO-ORGANIZATE DE IMAR ÎN 2023

Nr. Crt.	Detalii manifestare științifică
1	*Workshop Potential Analysis Afternoon*, IMAR, Bucharest, Janury 26, 2023 http://imar.ro/~imar/2023/conferinte/PotAn/PotAn-Poster.pdf
2	*The 24th Conference of the Romanian Society of Probability and Statistics*, Bucharest University of Economic Studies, Bucharest, April 21-22, 2023 https://spsr.ase.ro/the-24th-conference-of-the-romanian-society-of-probability-and-statistics/
3	*Matematică și Școală*, Brănești și Vulcana-Băi, vineri 5 mai 2023 http://imar.ro/~imar/2023/Anunturi/Afis-conferinta-Branesti-Vulcana-Bai.pdf
4	*Workshop for Young Researchers in Mathematics, 12th Edition*, Alexandru Ioan Cuza University of Iași, May 18-19, 2023 https://fmi.univ-ovidius.ro/cercetare/wyrm2023/
5	*The 28th National School on Algebra - Interactions between Algebra and Geometry in Bucharest*, University of Bucharest, Bucharest, June 24-28, 2023 https://sites.google.com/view/ronsa/the-28th-national-school-on-algebra
6	*Workshop on PDEs - Research in Pairs in Bucharest*, IMAR, Bucharest, June 26-27, 2023 http://www.imar.ro/~imar/RIPB/Workshop-on-PDEs-Research-in-Pairs-June2023.pdf
7	*A day in operator algebras: Serban Stratila`s 80th birthday*, IMAR, Bucharest, June 28, 2023, https://sites.google.com/view/serbanstratila80/home
8	*Conference in honor of Nicolae Popa*, IMAR, Bucharest, June 29, 2023, http://www.imar.ro/~imar/2023/conferinte/NPopa/MeetingNPopa.html
9	*Conferința Națională de Problemistică și Didactica Matematicii*, Școala Gimnazială "Mihai Eminescu", Pitești, 30 iunie 2023, https://cnpdm.scoala11.eu/

10	*The Tenth Congress of Romanian Mathematicians*, Pitesti, June 30-July 5, 2023, http://imar.ro/~congmatro10
11	*The First Balkan Mathematics Conference*, Pitesti, July 1, 2023, http://imar.ro/~bmc/
12	*Workshop on Stochastic Dynamics and Potential*, Pitesti, July 2-4, 2023 https://drive.google.com/file/d/1gLuf_fyu3mJqtxzpsD3ZqFhlWoJUTIW7/view
13	*8th French-Romanian Summer School on Applied Mathematics*, Sinaia, July 5-13, 2023, https://sites.google.com/site/marinliviu/french-romanian-summer-school-on-applied-mathematics/8th-french-romanian-summer-school-on-applied-mathematics-5-13-july-2023
14	*Geometry, Topology and Algebra of Singular Spaces,* IMAR, Bucharest, July 7-11, 2023 https://people.math.wisc.edu/~lmaxim/PS70.html
15	*Eleventh Bucharest Number Theory Days*, IMAR, Bucharest, July 25-26, 2023, http://imar.ro/~apopa/BNTD11/index.html
16	*Differential Geometry Workshop 2023*, Iasi, September 6-9, 2023, https://ps-mathematik.univie.ac.at/e/index.php?event=dg-w23
17	*Moduli and Friends Conference*, IMAR, Bucharest, September 11-15, 2023, https://sites.google.com/view/moduliandfriends
18	*Mathematics and Machine Learning Conference*, IMAR, Bucharest, September 26, 2023, http://imar.ro/~imar/2023/conferinte/MachineLearning.pdf

IX.   PREMII

Nr. Crt.	Cercetator	Denumire premiu/distincție/titlu
1	Andrei Neguț	Premiul "Lucian Bădescu"
2	Alexandra Otiman	Premiul "Nicolae Dinculeanu" al Academiei Romăne
3	Rodica Dinu	Premiul Societății de Științe Matematice din România (SSMR) acordat unui tânăr matematician român
4	Iulian Cîmpean	Premiul Societății de Științe Matematice din România (SSMR) acordat unui tânăr matematician român
5	Martin Palmer-Anghel	Premiul "Gheorghe Țițeica" al Academiei Romăne
6	Remus Radu	Premiul "Simion Stoilow" al Academiei Romăne
7	Lucian Beznea	Doctor Honoris Causa, Universitatea din Pitești
8	Laurențiu Maxim	Vilas Associates Award, University of Wisconsin-Madison, SUA
9		Van Vleck Professorship Research Award, University of Wisconsin-Madison, SUA
10	Vicențiu Rădulescu	Diploma de Excelență, Gala Personalităților României: Valori Românești de Anvergură Mondială, acordată de Secretariatul General al Guvernului României
11		Marele Premiu, Gala Cercetării, Universitatea din Craiova

X. MEMBRI/COMITETE EDITORIALE/COMISII ȘTIINȚIFICE/EXPERȚI

Tabel X.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
3	Aurelian Gheondea	Membru al comisiei de abilitare pentru Dr. Maria Jivulescu, Universitatea Tehnică din Cluj-Napoca	ianuarie 2023
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	Ingrid Beltiță	Membru în Comitetul de Management al Acțiunii COST 21109 CaLISTA, suportate de COST (European Cooperation in Science and Technology), https://site.unibo.it/calista/en	
8		EMS Committee for European Solidarity, membru	2022-2026
9		Membru în comisia de doctorat și referent, drd. Diego Anrés Jauré Romero, Universidad de Chile, Chile	martie 2023
10	Daniel Beltiță	CNATDCU, Comisia de Matematică, membru	2020-2024
11		Membru al comisiei de abilitare pentru Dr. Ion-Marian Olaru, Universitatea Babeș-Bolyai din Cluj-Napoca	iulie 2023
12		Membru în comisa de doctorat și referent, drd. M. Niestijl, Universitatea din Delft, Olanda	decembrie 2023
13	Cipriana Anghel	EMS Young Academy, membru	2023-2026
14		Membru în Consiliul Școlii Doctorale de Științe Matematice și Informatică (SDSMI), din cadrul SCOSAAR	din 2023

15		American Mathematical Society, membru	din 1991
16		Academia Română, membru corespondent	din 2022
17	Dan Timotin	Membru al juriului internațional pentru acordarea premiului *Jean-Pierre Demailly Prize for Open Science in Mathematics* oferit de Société Mathématique de France	2023-2024
18	Ana Agore	Membru al comisiei de susținere publică a tezei de doctorat, drd. Huan Jia, Universiteit Hasselt, Belgia	iunie 2023
19		Membru al comisiei de susținere publică a tezei de doctorat, drd. Johan Konings, Vrije Universiteit Brussel, Belgia	septembrie 2023
20	Sergiu Moroianu	Membru în comisia de abilitare și raportor pentru Dr. Simon Raulot, Universitatea Rouen Normandie, Franța	iunie 2023
21		Membru în comisa de doctorat și raportor în calitate de conducător de doctorat, drd. Cipriana Anghel, IMAR	octombrie 2023
22		CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	din 2021
23	Dorin Popescu	Academia Română, membru de onoare	din 2022
24	Florin Ambro	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	
25	Ionel Popescu	Coordonator Colocviul Franco-Român de Matematică Aplicată	din 2017
26		Școala Doctorală, Facultatea de Matematică și informatică, Universitatea din București	din 2019
27	Mihai Cipu	Evaluator pentru Times Higher Education World Universities Rankings	2022-2023
28	Alexandru Popa	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	
29	Răzvan Diaconescu	Membru în comisa de doctorat și referent, drd. Adrian Neacșu, Universitatea Politehnica din București	septembrie 2023

30		Academia Română, membru de onoare	din 2023
31	Vasile Brînzănescu	CNATDCU, președintele Panelului 1 (Matematică și științe ale naturii) și membru în Consiliul General	2020-2024
32		Scientific Council of the Banach Center, Polonia, membru	2022-2025
33		Membru al Consiliului de Coordonare a Cercetării Științifice din Academia Română	din 2022
34		Membru al Consiliului Școlii Doctorale de Matematică, Facultatea de Matematică și informatică, Universitatea din București	din 2016
35		Membru al Consiliului Școlii Doctorale de Matematică, Universitatea Alexandru Ioan Cuza din Iași	din 2018
36		Membru al Consiliului Director al Societății de Științe Matematice din România (SSMR), vicepreședinte din 2017	din 2012
37		Membru al Consiliului de Conducere al Societății de Probabilități și Statistică din România, vicepresedinte din 2022	din 2018
38	Lucian Beznea	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
39		Membru al Comitetului European Research Centres on Mathematics (ERCOM) al European Mathematical Society, ca director al IMAR	din 2022
40		Membru al "hiring committee, chaire de professeur junior (CPJ) in the topic of Probability'', CNRS, Franța	2022
41		Membru al Consiliului pentru Studiile Universitare de Doctorat (CSUD) al SCOSAAR	2023-2027
42		Membru al comisiei de susținere publică a tezei de doctorat, drd. Cipriana Anghel, IMAR	octombrie 2023
43	Marian Vâjâitu	Membru al comisiei de abilitare pentru Dr. Alexandru Popa, IMAR	decembrie 2023

44	Lori Badea	American Mathematical Society, membru	din 1991
45	Liviu Ignat	CNATDCU, Comisia de Matematică, membru	din 2021
46		Membru în Consiliul Școlii Doctorale de Științe Matematice și Informatică (SDSMI), din cadrul SCOSAAR	din 2023
47		Membru al comisiei de abilitare pentru Dr. Dumitrel Ghiba, Universitatea Alexandru Ioan Cuza din Iași	
48	Radu Purice	Președinte al Comisiei de Evaluare și Asigurare a Calității, SCOSAAR	din 2023
49		Membru în comisia de doctorat și referent, drd. Cipriana Anghel, IMAR	octombrie 2023
50		Membru în comisia de abilitare și raportor pentru Dr. Maria-Magdalena Boureanu, Universitatea din Craiova	mai 2023
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		Membru al Consiliului Școlii Doctorale de Matematică, Facultatea de Matematică și informatică, Universitatea din București	din 2014
57	Laurențiu Leuștean	American Mathematical Society, membru	din 2023
58		Association for Symbolic Logic, membru	din 2023
59		Proof Society, membru	din 2023
60	Iulian Cîmpean	Societatea de Probabilități și Statistică din România, membru în consiliul de conducere	din 2023
61	Marius Buliga	Membru în comisia de doctorat și referent, drd. Mădălina Osiceanu, Universitatea din Craiova	octombrie 2023

62	Arghir Zarnescu	EMS Committee for Mathematics Outreach and Engagement, membru	2023-2026
63		American Mathematical Society, membru	din 1980
64	Dan Tiba	Accademia Peloritana dei Pericolanti Classe di Scienze Fisiche, Matematiche e Naturali, membru corespondent	din 2016
65		International Federation of Information Processing (IFIP) – Technical Commitee 7, Working Group 7.2, membru	din 2000
66	Cezar Joița	CNCS - Consiliul Național al Cercetării Științifice, membru în Comisia de Matematică	
67		Membru al Consiliului Director al Societății de Științe Matematice din România (SSMR)	din 2023
68	Florin Belgun	Membru în comisia de doctorat și referent, drd. Igor Ernst, Masaryk University, Brno, Republica Cehă	noiembrie 2023

Tabel X.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	Ana Agore	Bulletin of the Belgian Mathematical Society – Simon Stevin	Guest Editor
3		Mathematical Reports	Editorial Board
4	Liviu Ornea	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 Beltiță	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
9		Analele Ştiinţifice ale Universităţii "Alexandru Ioan Cuza" din Iaşi. Matematică	Editorial Board
10	Cezar Joiţa	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 Ştiinţifice ale Universităţii "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	Vicenţiu Rădulescu	Opuscula Mathematica (AGH University of Krakow)	Editorial Board
25		Journal of Numerical Analysis and Approximation Theory (Romanian Academy)	Editorial Board
26		Analele Ştiinţifice ale Universităţii "Ovidius" Constanţa – 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		Analele Ştiinţifice ale Universităţii "Alexandru Ioan Cuza" din Iaşi. Matematică	Editorial Board
33	Mihai Cipu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
34		Gazeta Matematică, Seria A	Editorial Board
35	Lucian Beznea	Revue Roumaine de Mathématiques Pures et Appliquées	Co-Editor-in-chief
36		Mathematical Reports	Co-Editor-in-chief
37		Proceedings of the Romanian Academy, Series A	Editorial Board
38		Advances in Pure and Applied Mathematics (De Gruyter)	Editorial Board
39	Florin Nichita	Axioms, MDPI, Elvetia	Editorial Board
40		Sci, MDPI, Elvetia	Editorial Board

41	Răzvan Diaconescu	Studies în Universal Logic (Book series)	Editorial Board
42	Marian Aprodu	Revue Roumaine de Mathématiques Pures et Appliquées	Editorial Board
43		Mathematical Reports	Editorial Board
44		Proceedings of the Romanian Academy, Series A	Editorial Board
45	Vasile Brînzănescu	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	Editorial Board
46		Analele Ştiinţifice ale Universităţii "Ovidius" Constanța – Seria MATEMATICĂ	Editorial Board
47		The Scientific Bulletin UPB Series A - Applied Mathematics and Physics	Editorial Board
48		Serdica Mathematical Journal (2004-2023)	Editorial Board
49	Vasile Drăgan	International Journal of Innovative Computing, Information and Control	Associate Editor
50		ICIC-Express Letters	Associate Editor
51		IET Control Theory and Applications	Associate Editor
52		Acta Universitatis Apulensis, Seria Mathematics-Informatics	Editorial Board
53		Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications	Editorial Board
54	Dan Tiba	The Scientific Bulletin UPB Series A - Applied Mathematics and Physics	Editorial Board
55		International Journal of Differential Equations	Editorial Board
56		Mathematica (Cluj)	Editorial Board
57		Proceedings of the Romanian Academy, Seria A	Editorial Board
58		Mathematics, Elvetia	Editorial Board

59		Complex Analysis and Operator Theory	Editorial Board
60	Aurelian Gheondea	Opuscula Mathematica (AGH University of Krakow)	Editorial Board
61		Journal of Operator Theory	Associate Editor
62		Journal of Function Spaces	Editorial Board

XI. 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	Cipriana Anghel	Sergiu Moroianu	2019-2023
12	Rareș Stan		2019
13	Alexandra Roxana Ciorogar	Ruxandra Stavre	2019
14	Tudor Boacă	Gabriela Marinoschi	2017
15	Andreea Negruț	Eduard Paul Rotenstein	2022
16	Olimpia Țicloș	Ferucio Laurențiu Țiplea	2022
17	Paul-Adrian Cotan		2021
18	Cristian Hristea		2019
19	Simona Lăzărescu		2023
20	Florin Condrea	Marius Leordeanu	2020
21	Nicolae Cudlenco		2018
22	Mihai Dan Mașala		2019
23	Alina Elena Marcu		2017
24	Mihai-Cristian Pîrvu		2020
25	Teodor-Alexandru Szente	Cristian Sminchişescu	2022
26	Mihai Fieraru		2018

XII. PROIECTE DE CERCETARE DERULATE DE IMAR

Nr. Crt.	Sursă de finanțare	Detalii proiect (titlu, cod identificator, valoare, durată, director de proiect)
1	UEFISCDI	*Extending structures and the global extension problem*, PN-III-P4-ID-PCE-2020-0458, Valoare: 1,198,032 RON, Durata: 2021-2023, PI: Ana Agore
2	UEFISCDI	Algebraic and analytic aspects of automorphic forms, PN-III-P4-ID-PCE-2020-2498, Valoare: 1,198,000 RON, Durata: 2021-2023, PI: Alex Popa
3	UEFISCDI	*Pivotal fusion categories: character theory and Galois symmetries*, PN-III-P4-ID-PCE-2020-0878, Valoare: 1,198,032 RON, Durata: 2021-2023, PI: Sebastian Burciu
4	UEFISCDI	*Spectral Methods in Hyperbolic Geometry*, PN-III-P4-ID-PCE-2020-0794, Valoare: 1,198,032 RON, Durata: 2021-2023, PI: Sergiu Moroianu
5	UEFISCDI	*Dimensions and Invariance in Dynamical Systems*, PN III-P4-ID-PCE-2020-2693, Valoare: 1,198,032 RON, Durata: 2021-2023, PI: Eugen Mihăilescu
6	UEFISCDI	*LCK structures on singular complex spaces*, PN-III-P1-1.1-TE-2021-0228, Valoare: 450,000 RON, Durata: 2022-2024, PI: Ovidiu Preda
7	PNRR	*Cohomological Hall algebras of smooth surfaces and applications*, CF 44/14.11.2022, Valoare: 7,000,000 RON, Durata: 2023-2026, PI: Olivier Schiffmann
8	UEFISCDI	*Syzygies, invariants and classification problems in algebraic geometry and topology*, PN-III-P4-ID-PCE- 2020-0029, Valoare: 1,198,032 RON, Durata: 2021-2023, PI: Marian Aprodu
9	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
10	MCID	*Congresul Matematicienilor Români*, Ministerul Cercetării, Inovării și Digitalizării (MCID), CF 719/27.06.2023, Valoare: 25,000 RON
11	DRP	*Congresul Matematicienilor Români*, Departamentul pentru Românii de Pretutindeni (DRP), DRP/C/4/23.05.2023, Valoare: 95,500 RON
12	EMS	*Workshop for Young Researchers in Mathematics, 12th edition*, Valoare: 3 000 EUR

13	CNRS	CNRS International Research Network (IRN) *ECO-Math*, Valoare: 75 000 EUR, Durata: 2022-2026, Coordonator delegat pentru România: Radu Purice
14	UEFISCDI	*Moduli spaces of submanifolds and motion groups*, PN-III-P4-ID-PCE-2020-2798, Valoare: 1,198,032 RON, Perioada: 2021-2023, PI: Martin Palmer-Anghel
15	UEFISCDI	*Stochastic analysis methods for the evolution equations of non-local branching and fragmentation processes,* PN-III-P4-PCE-2021-0921, Valoare: 1,200,000 RON, Perioada: 2022-2024, PI: Lucian Beznea
16	UEFISCDI	*Axiomatic methods in non-classical model theory*, PN-III-P4-ID-PCE-2020-0446, Valoare: 1,193,700 RON, Perioada: 2021-2023, PI: Răzvan Diaconescu
17	UEFISCDI	*Invățare Vizuală Nesupervizată prin Echilibru Inteligent în Hipergrafuri de Rețele Neurale*, PN-III-P4-ID-PCE-2020-2819, Valoare: 1,197,567 RON, Perioada: 2021-2023, PI: Marius Leordeanu
18	UEFISCDI	*Fine-Grained Three-dimensional Human Sensing*, PN-III-P4-PCE-2021-1959, Valoare: 1,200,000, Perioada: 2022-2024, PI: Cristian Sminchișescu

XIII. LUCRĂRI PUBLICATE ÎN 2022, NECONȚINUTE ÎN RAPORTUL PE ANUL 2022

Tabel XIII.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 2023 (listele apărute în anii 2019-2023).

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă	Cuartilă
1	A. Negut	The PBW Basis of $U_{q,(q)}$over-bar(gl_n)	**Transformation Groups** (2022), DOI 10.1007/s00031-022-09696-x	Q2
2	A. Negut	Shuffle algebras for quivers and R-matrices	**Journal of the Institute of Mathematics of Jussieu** 22 (2022), Issue 6, pp. 2583-2618 DOI: 10.1017/S1474748022000184	Q1

3	A. Sipoș	Revisiting jointly firmly nonexpansive families of mappings	**Optimization** 71 (2022), Number 13, pp. 3819-3834, DOI: 10.1080/02331934.2021.1915312	Q1
4	C. Cobeli, A. Zaharescu	On the parity slope of words of low complexity	**Proceedings of the Romanian Academy, Series A** 23 (2023), Issue 4, pp. 329-336	Q3
5	C. Anghel, I. Coandă, N. Manolache	Globally generated vector bundles with small c_1 on projective spaces, II	**Mathematische Nachrichten** 295 (2022), No. 11, pp. 2071-2103, DOI: 10.1002/mana.202000093	Q1
6	M. Palmer, U. Tillmann	Point-pushing actions for manifolds with boundary	**Groups, Geometry, and Dynamics** 16 (2023), no. 4 pp. 1179-1224, DOI: 10.4171/GGD/690	Q1
7	B. Canepa, R. Gaba, V. Olteanu	CM complex elliptic curves and algorithms complexity	**University Politehnica of Bucharest Scientific Bulletin, Series A - Applied Mathematics and Physics**, vol. 84 (2022), Issue 4, pp. 123-130	Q3
8	V. Pasol, W. Zudilin	Magnetic (Quasi-)Modular Forms	**Nagoya Mathematical Journal** 248 (2022), pp. 849-864, DOI: 10.1017/nmj.2022.11	Q2
9	A. Mustățea	A functional-analytic construction of stochastic integrals in Riemannian manifolds	**Proceedings of the Romanian Academy, Series A** 22 (2023), Issue 2, pp. 121-128	Q3
10	L. Ornea, V. Slesar	Deformations of Vaisman manifolds	**Differential Geometry and its Applications** 85 (2022), Article No. 101940, DOI 10.1016/j.difgeo.2022.101940	Q1
11	M. Joița	Factorization properties for unbounded local positive maps	**Indagationes Mathematicae** 33 (2022), pp. 905-917, DOI: 10.1016/j.indag.2022.03.003	Q3
12	M. Joița	Unbounded Local Completely Contractive Maps	**Bulletin of the Iranian Mathematical Society** 48 (2022), pp. 4015-4128, DOI: 10.1007/s41980-022-00735-7	Q3

13	G. Militaru	The Automorphisms Group and the Classification of Gradings of Finite Dimensional Associative Algebras	**Results in Mathematics** 77 (2022), Article No. 13, DOI: 10.1007/s00025-021-01509-z	Q1
14	A. Dimca, B. Harbourne, G. Sticlaru	On the Bounded Negativity Conjecture and singular plane curves	**Moscow Mathematical Journal** 22 (2022), pp. 427-450, DOI:10.17323/1609-4514-2022-22-3-427-450	Q2
15	A. Dimca, G. Sticlaru	Waring Ranks of Sextic Binary Forms via Geometric Invariant Theory	**Transformation Groups** (2022), DOI: 10.1007/s00031-022-09774-0	Q2
16	A. Dimca, G. Sticlaru	Ramblings on the freeness of affine hypersurfaces	**Bulletin Mathématique de la Société de Sciences Mathématiques de Roumanie** Tome 65 (113) (2022), No. 2, pp. 233-251	Q3
17	A. Dimca, G. Sticlaru	On the birationality of the Hessian maps of quartic curves and cubic surfaces	**Atti della Accademia Nazionale dei Lincei. Cl. Sci. Fis. Mat. Natur.** 33 (2022), No. 4, pp. 885-891, DOI: 10.4171/RLM/991	Q2
18	A. Dimca, P. Pokora	On conic-line arrangements with nodes, tacnodes, and ordinary triple points	**Journal of Algebraic Combinatorics** 56 (2022), pp. 403-424, DOI: 10.1007/s10801-022-01116-3	Q2
19	A. C. Cojocaru, M. Papikian	The growth of the discriminant of the endomorphism ring of the reduction of a rank 2 generic Drinfeld module	**Journal of Number Theory** 237 (2022), pp. 15-39, DOI: 10.1016/j.jnt.2021.03.026	Q3
20	F. Pogorzelski, C. Richard, N. Strungaru	Leptin Densities in Amenable Groups	**Journal of Fourier Analysis and Applications** 28 (2022), Issue 6, Article no. 85, DOI: 10.1007/s00041-022-09978-8	Q2
21	A. Klick, N. Strungaru, A. Tcaciuc	On Arithmetic Progressions in Model Sets	**Discrete & Computational Geometry** 67 (2022), Issue 3, pp. 930-946, DOI: 10.1007/s00454-020-00252-6	Q2

22	A. Makki, A. Miranville, M. Petcu	A numerical analysis of the coupled Cahn-Hilliard/Allen-Cahn system with dynamic boundary conditions	**International Journal of Numerical Analysis and Modeling** 19 (2022), Issue 5, pp. 630-655	Q2
23	A. Makki, A. Miranville, M. Petcu	The coupled Cahn-Hilliard/Allen-Cahn system with dynamic boundary conditions	**Asymptotic Analysis** 128 (2022), Issue 2, pp. 183-209, DOI: 10.3233/ASY-211703	Q2
24	H. Auvray, X. Ma, G. Marinescu	Quotient of Bergman kernels on punctured Riemann surfaces	**Mathematische Zeitschrift** 301 (2022), Issue 3, pp. 2339-2367 DOI: 10.1007/s00209-022-02977-x	Q1
25	C. Benea, C. Muscalu	Multiple vector-valued, mixed norm estimates for Littlewood-Paley square functions	**Publicacions Matemàtiques** 66 (2022), pp. 631-681, DOI: 10.5565/PUBLMAT6622205	Q1
26	J. Mingo, M. Popa	The partial transpose and asymptotic free independence for Wishart random matrices, II	**Pacific Journal of Mathematics** 317 (2022), Issue 2, pp. 387-421, DOI: 10.2140/pjm.2022.317.387	Q3
27	M. Popa	Asymptotic free independence and entry permutations for Gaussian random matrices	**Proc. Amer. Math. Soc.** 150 (2022), Issue 8, pp. 3379-3394, DOI: 10.1090/proc/15783	Q2
28	V. Dragan, I. G. Ivanov, I. Popa	A linear quadratic tracking problem for impulsive controlled stochastic systems: The infinite horizon time case	**Mathematical Methods in the Applied Sciences** (2022), Special Issue, pp. 1-21, DOI: 10.1002/mma.8911	Q1
29	M. Cimpoeaş, A. Radu	On supercharacter theoretic generalizations of monomial groups and Artin's conjecture	**Czechoslovak Mathematical Journal** 72 (2022), Issue 4, pp. 1065-1079, DOI: 10.21136/CMJ.2022.0352-21	Q4
30	B. Flamencourt, S. Moroianu	Cauchy spinors on 3-manifolds	**J. Geom. Analysis** 32 (2022), Article no. 186, DOI: 10.1007/s12220-022-00925-z.	Q1

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

Nr. Crt.	Autori	Titlu	Referințe jurnal/revistă
1	L. Ornea, M. Verbitsky	Compact homogeneous locally conformally Kahler manifolds are Vaisman. A new proof	**Rivista Matematica dell'Università di Parma** 13 (2022), Issue 2, pp. 439-448
2	A. Dimca, M. Janasz, P. Pokora	On plane conic arrangements with nodes and tacnodes	**Innovations in Incidence Geometry** 19 (2022), pp. 47-58, DOI: 10.2140/iig.2022.19.47

Tabel XIII.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	D. Tiba, C. Murea	Implicit Parametrizations in shape optimization: boundary observation	**Pure and Applied Functional Analysis** 7 (2022), No. 5, pp. 1835-1856
2	E. Haller, A. M. Florea, M. Leordeanu	Iterative Knowledge Exchange Between Deep Learning and Space-Time Spectral Clustering for Unsupervised Segmentation in Videos	**IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI),** IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 44 (2022), no. 11, pp. 7638-7656, 1 Nov. 2022, DOI: 10.1109/TPAMI.2021.3120228
3	V. Licăret, V. Robu, A. Marcu, D. Costea, E. Slușanschi, R. Sukthankar, M. Leordeanu	UFO Depth: Unsupervised learning with flow-based odometry optimization for metric depth estimation	**2022 International Conference on Robotics and Automation (ICRA)**, Philadelphia, PA, USA, 2022, pp. 6526-6532, DOI: 10.1109/ICRA46639.2022.9812374

| 4 | M. Priisalu, A. Pirinen, C. Paduraru, C. Sminchisescu | Generating Scenarios with Diverse Pedestrian Behaviors for Autonomous Vehicle Testing | Proceedings of the 5th Conference on Robot Learning, **Proceedings of Machine Learning Research (PMLR)** 164:1247-1258, 2022 |

XIV.   MEMBRI ÎN COMISII DE SUSȚINERE PUBLICĂ A TEZELOR DE DOCTORAT 2019-2022

Nr. Crt.	Cercetător	Detalii teză de doctorat	Anul
1	Ruxandra Stavre	Membru în comisia de doctorat și referent, drd. Rita Juodagalvytė, Vilnius University, Lituania	2022
2	Dorin Popescu	Membru în comisia de doctorat și referent, drd. Rodica Dinu, Universitatea din București	2020
3		Membru în comisia de doctorat și referent, drd. Claudia-Elena Andrei (Ciobanu), Universitatea din București	2019
4	Dan Timotin	Membru în comisia de doctorat și referent, drd. Juan Carlos Manzur Villa, Univ. din Campinas, Brazilia	2022
5		Membru în comisia de doctorat și referent, drd. Charles Ferreira dos Santos, Univ. din Campinas, Brazilia	2022
6		Membru în comisia de doctorat și referent, drd. Susmita Das, ISI Bangalore, India	2022
7		Membru în comisia de sustinere publica a tezei de doctorat drd. Ștefana Anița, IMAR	2022
8		Membru în comisia de sustinere publica a tezei de doctorat drd. George Teșeleanu, IMAR	2021

9		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. Ștefana Anița, IMAR	2022
10		Membru în comisia de sustinere publica a tezei de doctorat drd. Alexandru Mustățea, IMAR	2022
11		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. Cătălin Vrabie, IMAR	2022
12		Membru în comisia de doctorat și referent, drd. Vlad Bogolin, IMAR	2022
13		Membru în comisia de doctorat și referent, drd. Mariana Chivu Cojocaru, Universitatea din Craiova	2021
14	Lucian Beznea	Membru în comisia de doctorat și referent, drd. Dorotheea Stîrcu, Universitatea din Craiova	2019
15		Membru în comisia de doctorat și referent, drd. Vasile-Florin Uță, Universitatea din Craiova	2019
16		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat (co-tutelă), drd. Mohamed Ben Mohamed Salah, University of Tunis, Tunisia	2022
17		Membru în comisia de doctorat și referent, drd. Dominika Jasinska, University of Lublin, Polonia	2022
18		Membru în comisia de doctorat și referent, drd. Agnieszka Tanas, University of Lublin, Polonia	2021
19		Membru în comisia de doctorat și referent, drd. Ioana Croitoru, IMAR	2022
20	Sergiu Moroianu	Membru în comisia de doctorat și referent, drd. Alexandru Mustățea, IMAR	2022
21	Ionel Popescu	Membru în comisia de doctorat și referent, drd. Alexandru Mustățea, IMAR	2022
22	Cezar Joița	Membru în comisia de sustinere publica a tezei de doctorat drd. Cătălin Vrabie, IMAR	2022

23	Cristodor Ionescu	Membru în comisia de sustinere publica a tezei de doctorat drd. Vlad Bogolin, IMAR	2022
24		Membru în comisia de sustinere publica a tezei de doctorat drd. Ioana Croitoru, IMAR	2022
25	Radu Purice	Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. Alexandru Mustățea, IMAR	2022
26		Membru în comisia de doctorat și referent, drd. Florin Onete, Universitatea din Craiova	2022
27		Membru în comisia de doctorat și referent, drd. Dorotheea Stîrcu, Universitatea din Craiova	2019
28		Membru în comisia de doctorat și referent, drd. Vasile-Florin Uță, Universitatea din Craiova	2019
29		Membru în comisia de doctorat și referent, drd. Jérémy Mougel, Université de Lorraine, Metz, Franța	2019
30		Membru în comisia de doctorat și referent, drd. Remi Come, Université de Lorraine, Metz, Franța	2020
31	Liviu Ignat	Membru în comisia de doctorat și referent, drd. Victor Cristian Palea, UPB	2021
32		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat (co-tutelă), drd. Andreea Grecu, UPB	2021
33		Membru în comisia de doctorat și referent, drd. Constantin Niță, Universitatea din Craiova	2020
34	Florin Panaite	Membru în comisia de doctorat și referent, drd. Andromeda Sonea, Universitatea Alexandru Ioan Cuza din Iași	2021
35	Vasile Brînzănescu	Membru în comisia de doctorat și referent, drd. Filip Chindea, Universitatea din București	2019

36	Florin Ambro	Membru în comisia de doctorat și referent, drd. Claudia-Elena Andrei (Ciobanu), Universitatea din București	2019
37		Membru în comisia de doctorat și referent, drd. Filip Chindea, Universitatea din București	2019
38	Ana Agore	Membru al comisiei de susținere publică a tezei de doctorat, drd. Timmy Fieremans, Vrije Universiteit Brussel, Belgia	2019
39	Marius Leordeanu	Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. Vlad Bogolin, IMAR	2022
40		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. Ioana Croitoru, IMAR	2022
41		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat (co-tutelă), drd. Emanuela Haller, UPB	2022
42		Membru în comisia de doctorat și raportor în calitate de conducător de doctorat (co-tutelă), drd. Elena Burceanu, Universitatea din București	2022
43	Florin Belgun	Membru în comisia de doctorat și referent, drd. Miron Stanciu, Universitatea din București	2019
44	Ferucio Țiplea	Membru în comisia de doctorat și raportor în calitate de conducător de doctorat, drd. George Teșeleanu, IMAR	2021