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SCOALA DOCTORALA MATEMATICĂ

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CENTRALIZATOR PUBLICAȚII ISI/BDI ȘI PROCEEDINGS 2021-2025

Cuprins

Publicații ale cadrelor didactice afiliate Școlii Doctorale de Matematică 2021-2025

Nr crt	Rezultate ale activității de cercetare științifică	2021	2022	2023	2024	2025	TOTAL
1	Articole publicate în reviste SCIE/ESCI Clarivate Analytics: zona Q1, zona Q2, zona Q3, zona Q4 (nr. articole)	14	20	12	15	14	**75**
1	Articole publicate în reviste indexate BDI (nr. articole)	0	0	1	0	0	**1**

	2021	2022	2023	2024	2025
SCIE Q1	8	7	4	7	5
SCIE Q2	2	6	4	7	7
SCIE Q3	2	6	3	0	1
SCIE Q4	1	0	0	1	0
ESCI	1	1	1	0	1
Total	**14**	**20**	**12**	**15**	**14**

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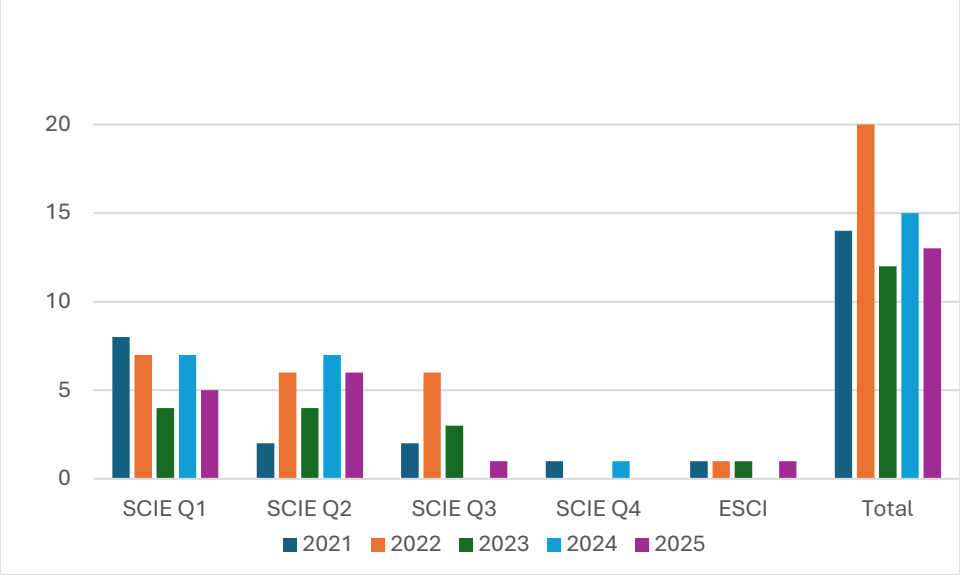

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Articole ISI

Nr. crt.	Nume și prenume	Funcție didactică	Autori, titlu lucrării, editura, revista, pagini, an, DOI/WOS
2021			
1.	Crăciun Eduard-Marius	Prof.	M. Singh, S. Das, Rajeev, E.M. Craciun, *Numerical solution of two-dimensional nonlinear fractional order reaction-advection-diffusion equation by using collocation method*, An. St. Univ. "Ovidius" Constanta, seria Matem., **29**(2), 211–230, (2021), **Q3** DOI: 10.2478/auom-2021-0027.
2.	Crăciun Eduard-Marius	Prof.	A. N. Emin, O.A. Florea, E.M. Craciun, *Some uniqueness results for thermoelastic materials with double porosity structure*, Continuum Mech. Thermodyn. **33**, 1083–1106, (2021), **Q2** DOI:10.1007/s00161-020-00952-7
3.	Crăciun Eduard-Marius	Prof.	M. Jafari, M.H.B. Chaleshtari, E.M. Craciun, *Ant lion optimizer: A novel strategy for global engineering optimization of stress in infinite perforated composite plates*, *Proceedings of the Romanian Academy Series A*, **22**(1), 45-53, (2021), **Q1**
4.	Crăciun Eduard-Marius	Prof.	T. Sadowski, P. Golewski, E.M. Craciun, *Internal structure influence on the impact strength and dynamic fracture toughness of hybrid polymer matrix composites integrated with elastomer layers*, Composite Structures, **258**(2), 113375, (2021), **Q1** DOI:10.1016/j.compstruct.2020.113375
5.	Crăciun Eduard-Marius	Prof.	M.H.B. Chaleshtari, M. Jafari, H. Khoramishad, E.M. Craciun, *Mutual Influence of Geometric Parameters and Mechanical Properties on Thermal Stresses in Composite Laminated Plates with Rectangular Holes*, Mathematics, **9**(4), 311, (2021), **Q1** DOI:10.3390/math9040311
6.	Crăciun Eduard-Marius	Prof.	K. Singh, I. Kaur, G.M.D. Ghita, E.M. Craciun, *Modeling of a magneto-electro-piezo-thermoelastic nanobeam with two temperature subjected to ramp type heating*, *Proceedings of the Romanian Academy Series A* (23), pp. 141-149, (2021), **Q4**
7.	Cosma (Barbu) Luminita	Prof	L. Barbu, *Full description of the eigenvalue set of the Steklov (p, q)-Laplacian*, Journal of Differential Equations,Vol.**290**, pp. 1-16, 000652653400001, (2021), **Q1**
8.	Cosma (Barbu) Luminita	Prof	L. Barbu, *On a Steklov eigenvalue problem associated with the (p, q)-Laplacian*, Carpathian Journal of Mathematics, Vol.**37**(2), pp. 161-171, 662029600002, (2021), **Q1**

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9.	Cosma (Barbu) Luminita	Prof	L. Barbu, *Eigenvalues for anisotropic p-Laplacian under a Steklov-like boundary condition*, Studia Universitatis Babes-Bolyai Mathematica, Vol.**66**(1), (2021), ESCI, (**Q4-2024)**
10.	Vernic Raluca	Prof	R. Alemany, C. Bolancé, R. Rodrigo, R. Vernic, *Bivariate Mixed Poisson and Normal Generalised Linear Models with Sarmanov Dependence — An Application to Model Claim Frequency and Optimal Transformed Average Severity*, Mathematics,Vol.**9**, pg. 73, (2021) **Q1**
11.	Vernic Raluca	Prof	A.F. Ionescu, R. Vernic, *MOSOSS: An Adapted Multi-Objective Symbiotic Organisms Search for Scheduling*, Soft Computing, Vol.**25**, pp. 9591-9607, (2021), **Q2**
12.	Flaut Cristina	Prof	C. Flaut, D. Savin, *Some remarks regarding (a, b, x0 , x1) numbers and (a, b, x0 , x1) quaternions*, Ars Combinatoria, Vol.**155**, pg. 15738, (2021), **Q3**
13.	Flaut Cristina	Prof	C. Flaut, D. Savin, G. Zaharia, *Properties and applications of some special integer number sequences*, Mathematical Methods in the Applied Sciences, Vol.**44**, pp.7442-7454, (2021), **Q1**
14.	Lascu Dan	Prof	D. Lascu, G.I. Sebe, *A Lochs-Type Approach via Entropy in Comparing the Efficiency of Different Continued Fraction Algorithms*, Mathematics **9** (3) 255, (2021), **Q1** https://doi.org/10.3390/math9030255
2022			
1.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Morosanu, *Eigenvalues of the (p, q, r)-Laplacian with a parametric boundary condition*, Carpathian J. Math, Vol.**38**(3), pp. 547-561, 2022, **Q2**
2.	Crăciun Eduard-Marius	Prof.	N. Trivedi, S. Das, E.M. Craciun, *The mathematical study of an edge crack in two different specified models under time-harmonic wave*, Mechanics of Composite Materials, 58(1), (2022), **Q3** DOI: 10.1007/s11029-022-10007-4
3.	Crăciun Eduard-Marius	Prof.	I. Kaur, K. Singh, E.M. Craciun, H. Altenbach, *Transversely Isotropic Visco-Thermo-elastic Nanobeam with Time Harmonic Laser Pulse and New modified TPL GN-model*, ZAMM, **102**(4), e202100263, (2022), **Q1** DOI:10.1002/zamm.202100263
4.	Crăciun Eduard-Marius	Prof.	M. Marin, S. Vlase, E.M Craciun, N. Pop, I. Tuns, *Some Results in the Theory of a Cosserat Thermoelastic Body with Microtemperatures and Inner Structure*, Symmetry **14**, 511, (2022), **Q2** DOI:10.3390/sym14030511
5.	Crăciun Eduard-Marius	Prof.	K. Singh, I. Kaur, E.M. Craciun, *A Mathematical Study of a Semiconducting Thermoelastic Rotating Solid Cylinder with Modified Moore–Gibson–Thompson Heat Transfer under the Hall Effect*, Mathematics, **10**(14):2386, (2022), **Q1**

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			DOI:10.3390/math10142386
6.	Crăciun Eduard-Marius	Prof.	M. Marin, S. Vlase, A. Öchsner, E.M. Craciun, *Some results on the electroacoustic energy flux for micropolar bodies*, Continuum Mech. Thermodyn. **34**, 1197–1204, (2022), **Q2** DOI:10.1007/s00161-022-01114-7
7.	Crăciun Eduard-Marius	Prof.	M. Jafari, M.H.B. Chaleshtari, E.M. Craciun, *Investigation of inter-laminar stresses surrounding circular hole in composite laminates under uniform heat flux*, Continuum Mech. Thermodyn., **34**(5), 1143-1158 (2022), **Q2** DOI:10.1007/s00161-022-01106-7
8.	Crăciun Eduard-Marius	Prof.	E.M. Craciun, M. Singh, *Operational matrix method to solve nonlinear reaction-advection-diffusion equation in fractional order system*, An. Șt. Univ. "Ovidius" Constanţa-Matematică **30**(3), 97-116, (2022), **Q2** DOI: 10.2478/auom-2022-0036
9.	Crăciun Eduard-Marius	Prof.	I. Kaur, K. Singh, E.M. Craciun, *New Modified Couple Stress Theory of Thermoelasticity with Hyperbolic Two Temperature*, Mathematics, **11**, 432, (2023), **Q1** DOI:10.3390/math11020432
10.	Flaut Cristina	Prof	C. Flaut, D. Savin, *Some properties of the norm in a division quaternion algebra*, Mathematical Methods in the Applied Sciences, Vol.**48**(18), pp. 12077-12088, (2022), **Q1**
11.	Flaut Cristina	Prof	C. Flaut, G. Zaharia, *Remarks Regarding Computational Aspects in Algebras Obtained by Cayley–Dickson Process and Some of Their Applications*, Mathematics, Vol.**10**(7), 1141, pp. 1-16, (2022), **Q1**
12.	Flaut Cristina	Prof	C. Flaut, D. Piciu, *Connections between commutative rings and some algebras of logic*, Iranian Journal of Fuzzy Systems, Vol.**19**(6), pp. 93-110, (2022), **Q1**
13.	Flaut Cristina	Prof	C. Flaut, R. Boboescu, *A twisted group algebra structure for an algebra obtained by the Cayley-Dickson process*, Ukraine J of Math, Vol.**74**(6), pp. 752-760, (2022), **Q3**
14.	Flaut Cristina	Prof	C. Flaut, D. Piciu, *Some Examples of BL-Algebras Using Commutative Rings*, Mathematics, Vol.**10**(24), 4739, pp. 1-15, (2022), **Q1**
15.	Vernic Raluca	Prof	S. Mutali, R. Vernic, *On the composite Lognormal–Pareto distribution with uncertain threshold*, Communications in Statistics-Simulation and Computation, Vol.**51**, pp. 4492-4508, (2022), **Q3**
16.	Vernic Raluca	Prof	R. Vernic, C. Bolance, R. Alemany, *Sarmanov distribution for modeling dependence between the frequency and the average severity of insurance claims*, Insurance: Mathematics and Economics, Vol.**102**, pp. 111-125, (2022), **Q2**

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17.	Vernic Raluca	Prof	A. Bâcă. R. Vernic, *On the three-spliced Exponential-Lognormal-Pareto distribution*, Analele Universităţii "Ovidius" Constanţa, seria Matematică, Vol.**XXX**, pp. 21-35, (2022) **Q3**
18.	Vernic Raluca	Prof	A. Badea, C. Bolancé, R. Vernic, *On the Bivariate Composite Gumbel–Pareto Distribution*, Stats, Vol.**5,** pp. 948-969, (2022), ESCI
19.	Lascu Dan	Prof	G.I. Sebe, D. Lascu, *Some asymptotic results for the continued fraction expansions with odd partial quotients*, Turkish Journal of Mathematics **46** (7), pp. 3011-3024, (2022), **Q3** https://doi.org/10.55730/1300-0098.3315
20.	Lascu Dan	Prof	G.I. Sebe, D. Lascu, *Two asymptotic distributions related to Rényi-type continued fraction expansions*, Periodica Mathematica Hungarica **85** (2), pp.380-398, (2022), **Q3** https://doi.org/10.1007/s10998-021-00444-4
2023			
1.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Moroșanu, *On the eigenvalue set of the (p,q)-Laplacian with a Neumann-Steklov boundary condition*, Differential and Integral Equations, Vol.**36**(5/6), pp. 437-452, (2023), **Q1**
2.	Cosma (Barbu) Luminita	Prof	L. Barbu, A. Burlacu, G. Moroșanu, *On a nonlinear transmission eigenvalue problem with a Neumann-Robin boundary condition*, Mathematical Methods in the Applied Sciences, Vol.**46**, pp. 18375-18386, (2023), **Q1**
3.	Cosma (Barbu) Luminita	Prof	L. Barbu, A. Burlacu, G. Moroșanu, *An Eigenvalue Problem Involving the (p, q)-Laplacian with a Parametric Boundary Condition*, Mediterranean Journal of Mathematis, Vol.**20**, article 232, (2023), **Q2**
4.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Moroșanu, On eigenvalue problems governed by the (p, q)-Laplacian, Stud. Univ. Babes-Bolyai Math., 68 (1) , pp.63-76 (2023), ESCI (**Q4 – 2024)** DOI10.24193/subbmath.2021.1.07
5.	Crăciun Eduard-Marius	Prof.	D. Sanjeev, K. Singh, E.M. Craciun, A Rabaea, *Next-Cart Recommendation by Utilizing Personalized Item Frequency Information in Web Portals*, Neural Process Letters **55**, pp.9409–9434 (2023), **Q3** DOI:10.1007/s11063-023-11207-2
6.	Crăciun Eduard-Marius	Prof.	K. Singh, I. Kaur, E.M. Craciun, *Plane Wave Reflection in Nonlocal Semiconducting Rotating Media with Extended Model of Three-Phase-Lag Memory-Dependent Derivative*, Symmetry, **15**(10):1844, (2023), **Q2** DOI:10.3390/sym1510184
7.	Crăciun Eduard-Marius	Prof.	K. Singh, I. Kaur, E.M. Craciun, *Study of Transversely Isotropic Visco-Beam with Memory-Dependent Derivative*, Mathematics, **11**(21):4416, (2023), **Q1** DOI:0.3390/math11214416

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8.	Crăciun Eduard-Marius	Prof.	A.Tanwar, S. Das, E.M. Craciun, H. Altenbach, *Interaction among interfacial offset cracks in composite materials under the anti-plane shear loading*, Z. Angew. Math. Mech., ZAMM, **103**(11), e202300081, (2023), **Q2** DOI:10.1002/zamm.202300081
9.	Flaut Cristina	Prof	C. Faut, *Some applications of idempotent elements in MV algebras*, CARPATHIAN JOURNAL OF MATHEMATICS, Vol.**39**(1), pp. 161-174, (2023), **Q1**
10.	Flaut Cristina	Prof	C. Flaut, A. Nechifor, *Remarks regarding eigenvalues and fixed points in some algebras obtained by the Cayley-Dickson process*, FILOMAT, Vol.**37**(11), pp. 3649–3658, (2023), **Q3**
11.	Flaut Cristina	Prof	M.F. Calin, C. Flaut, D.Piciu, *Remarks regarding some Algebras of Logic*, Journal of Intelligent & Fuzzy Systems, Vol.**45**(5), pp. 8613-8622, (2023), **Q3**
12.	Vernic Raluca	Prof	R. Vernic, *On a fuzzy discretization of continuous distributions with applications to risk models*, Computational & Applied Mathematics, Vol.**42**,pg. 42-61, (2023), **Q2**
2024			
1.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Morosanu, I.V. Vintu, *Second-order differential inclusions with two small parameters*, Nonlinear Analysis: Real World Applications, **77** (2024), **Q1**, https://doi.org/10.1016/j.nonrwa.2024.104061.
2.	Cosma (Barbu) Luminita	Prof	L. Barbu, A. Burlacu, G. Morosanu, *On an eigenvalue problem associated with the (p, q) – Laplacian*, An. Sti. U. Ovid. Co.-Mat., **32** (1), pp. 45-64, (2024), **Q2**
3.	Crăciun Eduard-Marius	Prof.	K. Singh, I. Kaur, E.M. Craciun, *Moore–Gibson–Thompson Coupled Hygro-Photo-Thermoelastic Solid Cylinder with Hyperbolic Two Temperatures*, Mech. Solids **58**, pp.2197–2214, (2024), **Q4** DOI:10.3103/S0025654423601799
4.	Crăciun Eduard-Marius	Prof.	S Das, R Dutta, E.M. Craciun, A Sur, MS Barak, V Gupta, *Size-dependent effect on the interaction of surface waves in micropolar thermoelastic medium with dual pore connectivity*, Physica Scripta **99**(6), 065232, (2024), **Q2** DOI:10.1088/1402-4896/ad4829
5.	Crăciun Eduard-Marius	Prof.	Das SS, Tanwar A, Das S, E.M. Craciun, *Wiener–Hopf method to solve the anti-plane problem of moving semi-infinite crack in orthotropic composite materials*, Mathematics and Mechanics of Solids **29**(7), pp.1311-1324, (2024), **Q2** DOI:10.1177/10812865231224348
6.	Crăciun Eduard-Marius	Prof.	E.M. Craciun, R. Cergan, S. Dragosloveanu, *Recent advances of crack propagation in human bone*, Analele Științifice UOC_seria Matematică, **32**(2), pp.43–51 (2024), **Q2** DOI:10.2478/auom-2024-0018

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7.	Crăciun Eduard-Marius	Prof.	M. Kashif, M. Singh, T. Som, E.M. Craciun, *Numerical study of variable order model arising in chemical processes using operational matrix and collocation method*, Journal of Computational Science **80**, 102339, (2024), **Q2** DOI:10.1016/j.jocs.2024.102339
8.	Crăciun Eduard-Marius	Prof.	G.M.D. Ghita, E.M. Craciun, *Reinforced crack propagation in a prestressed and prepolarized piezoelectric material*, Composite Structures **342**, 118248, (2024), **Q1** DOI:10.1016/j.compstruct.2024.118248
9.	Crăciun Eduard-Marius	Prof.	O.A. Florea, E.M. Craciun, A Öchsner, A.N. Emin, *A qualitative analysis on the double porous thermoelastic bodies with microtemperature*, Continuum Mechanics and Thermodynamics **36**(6), pp.1801-1813, (2024), **Q2** DOI:10.1007/s00161-024-01330-3
10.	Crăciun Eduard-Marius	Prof.	A.R. Meghana, R. Dutta, V. Gupta, A. Singhal, E.M. Craciun, S. Das *Size-dependent analysis of surface wave in irregular fractured porous seabed subjected to fractional-order derivative*, Mechanics of Advanced Materials and Structures, pp.1-22, (2024), **Q1** DOI: 10.1080/15376494.2024.2440131
11.	Flaut Cristina	Prof	C. Flaut, D. Piciu, *Commutative Rings Behind Divisible Residuated Lattices*, Mathematics, **12**(23), (2024), **Q1** DOI:10.3390/math12233867
12.	Flaut Cristina	Prof	C. Flaut, A. Baias, *Some Remarks Regarding Special Elements in Algebras Obtained by the Cayley-Dickson Process over* Zp, Axioms, 3(6), (2024), **Q1** DOI:10.3390/axioms13060351.
13.	Flaut Cristina	Prof	C. Flaut, D. Piciu, B.L. Bercea, *Some Applications of Fuzzy Sets in Residuated Lattices*, Axioms, **13**, 267, (2024), **Q1** DOI:10.3390/axioms13040267
14.	Vernic Raluca	Prof	A.M. Raducan, R. Vernic, Gh. Zbaganu, *On a preference relation between random variables related to an investment problem*, Acta Mathematica Hungarica, **173**, pp. 352–365, (2024), **Q2** DOI: 10.1007/s10474-024-01456-5
15.	Vernic Raluca	Prof	A. Bâcă, R. Vernic, *Modeling data with extreme values using three-spliced distributions*. Axioms, **13**, 473, (2024), **Q1** DOI: 10.3390/axioms13070473
2025			
1.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Moroșanu, I.V. Vîntu, *Two-parameter second-order differential inclusions with antiperiodic conditions*, Communications in Contemporary Mathematics, article no. 2550038, Online Ready, (2025), **Q1** DOI10.1142/s0219199725500385.

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2.	Crăciun Eduard-Marius	Prof.	E.M. Craciun, G.M.D. Ghita, E. Rapeanu, *Prestressed and prepolarized piezoelectric material with an elliptical hole*. Z. Angew. Math. Phys. **76**, 18, (2025), **Q2** DOI:10.1007/s00033-024-02396-4
3.	Crăciun Eduard-Marius	Prof.	S.K. Panja, S. Alam, S.C. Mandal, E.M. Craciun, *Love wave scattering by an interface crack between an orthotropic layer and an isotropic half-space*. Continuum Mech. Thermodyn. **37**, 38, (2025), **Q2** DOI:10.1007/s00161-025-01375-y
4.	Crăciun Eduard-Marius	Prof.	M. Singh, S. Das, Rajeev, E.M. Craciun, *Numerical simulation of variable order fractional coupled fitzhugh-nagumo reaction-diffusion problem and it's analysis*, Journal of Applied Analysis & Computation, **15**(2), pp. 810-838, (2025), **Q2** DOI: 10.11948/20240164
5.	Crăciun Eduard-Marius	Prof.	S.K. Panja, S. Alam, S.C. Mandal, E.M. Craciun, *Effect of coated hard sphere-filled metacomposite layer on Love wave propagation in an orthotropic half-space*, Z. Angew. Math. Mech., ZAMM, **105**(5), e70072, (2025), **Q1** DOI: 10.1002/zamm.70087
6.	Crăciun Eduard-Marius	Prof.	E.M. Craciun, S.K. Tiwari, S. Das , *Numerical solution of nonlinear reaction advection-diffusion equation using the modified collocation method*, Analele Stiintifice ale Universitatii Ovidius Constanta: Seria Matematica **33**(2), pp. 45–65, (2025), **Q2** DOI: 10.2478/auom-2025-0018
7.	Crăciun Eduard-Marius	Prof.	A. Sur A, S. Das, V. Gupta, E.M. Craciun, *Coupled thermo-mechanical dynamics of rotating nano-beams with spatiotemporal nonlocality and higher-order memory-driven heat transfer*, International Journal of Numerical Methods for Heat & Fluid Flow, **35**(12), pp. 4464–4491, (2025), **Q1** DOI:10.1108/HFF-06-2025-0411
8.	Crăciun Eduard-Marius	Prof.	S. Das , R. Dutta, A. Sur A, E.M. Craciun, *Dynamic response of porous viscoelastic living tissue under fractional-order Moore–Gibson–Thompson thermoelasticity theory*, International Journal of Numerical Methods for Heat & Fluid Flow, **35**(9), 3503–3535, (2025), **Q1** DOI: 10.1108/HFF-04-2025-0269
9.	Flaut Cristina	Prof.	C. Flaut, A. Baias, Remarks regarding some special matrices, Filomat, 39(13), pp. 4423-4430, (2025), **Q2** https://doi.org/10.2298/FIL2513423F
10.	Vernic Raluca	Prof.	C. Bolance, R. Vernic, A. Bâcă, *On a Bivariate Distribution with Composite Exponential-Pareto Marginals and Dependence in low-cost claims*, North American Actuarial Journal **29** (4), pp. 905-918, (2025), **Q2** https://doi.org/10.1080/10920277.2025.2490292
11.	Lascu Dan	Prof	G.I. Sebe, D. Lascu, *On the ψ-mixing coefficients of Rényi-type maps*, Publicationes Mathematicae Debrecen **106** (1-2), pp. 125-146, (2025),

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12.	Lascu Dan	Prof	G.I. Sebe, D. Lascu, B. Selmi, *The Hausdorff dimension of the sets of irrationals with prescribed relative growth rates*, Journal of Geometric Analysis **35**(1), 33, 15 pages, (2025), **Q1** https://doi.org/10.1007/s12220-024-01866-5
13.	Lascu Dan	Prof	D. Lascu, G.I. Sebe, *Exploring Gauss-Kuzmin-type problems and a variant of the Borel-Bernstein theorem for Rényi-type continued fraction expansions*, Arabian Journal of Mathematics, (2025), ESCI **Q2** https://doi.org/10.1007/s40065-025-00582-4
14.	Lascu Dan	Prof	G.I. Sebe, D. Lascu, B. Selmi, *On the fractal dimension and structure of exceptional sets in θ-expansions*, Portugaliae Mathematica, published online first, (2025), **Q2** https://doi.org/10.4171/pm/2154

Articole BDI

Nr. crt.	Nume și prenume	Funcție didactică	Autori, titlu lucrării, editura, revista, pagini, an, ISSN, DOI/WOS
1.	Cosma (Barbu) Luminita	Prof	L. Barbu, G. Moroșanu, *Full description of the spectrum of a Steklov-like eigenvalue problem involving the (p,q)-Laplacian*, Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications,Vol.15,pg. 30-44, BDI: Scopus, 2023

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SCOALA DOCTORALA MATEMATICĂ

DOMENIUL MATEMATICĂ

CENTRALIZATOR CĂRȚI/CAPITOLE ÎN CĂRȚI 2021-2025

Cuprins

Cărți/Capitole în cărți publicate de cadre didactice afiliate SDMate

Nr. crt.	Rezultate ale activității de cercetare științifică	2021	2022	2023	2024	2025	TOTAL
1	Cărți/Capitole în cărți	3	0	0	0	6	**9**

Nr. crt.	Nume și prenume	Funcție didactică	Autori, titlu, editura, an, ISBN
1.	Flaut Cristina	Prof. dr.	Hošková-Mayerová, Šárka, Flaut, Cristina, Maturo, Fabrizio, Algorithms as a Basis of Modern Applied Mathematics, Springer Nature Switzerland AG, ISBN 978-3-030-61334-1, 2021, https://www.springer.com/gp/book/9783030613334
2.	Flaut Cristina	Prof. dr.	Hošková-Mayerová, Šárka, Flaut, Cristina, Maturo, Fabrizio, Algorithms as a Basis of Modern Applied Mathematics, Springer Nature Switzerland AG, ISBN 978-3-030-61334-1, 2021, Some Remarks Regarding Finite Bounded Commutative BCK-Algebras, p.131-140, https://www.springer.com/gp/book/9783030613334
3.	Flaut Cristina	Prof. dr.	Hošková-Mayerová, Šárka, Flaut, Cristina, Maturo, Fabrizio, Algorithms as a Basis of Modern Applied Mathematics, Springer Nature Switzerland AG, ISBN 978-3-030-61334-1, 2021, Some Applications of Fibonacci and Lucas Numbers, p.119-130, https://www.springer.com/gp/book/9783030613334
4.	Flaut Cristina	Prof. dr.	Cristina Flaut, Daniel Flaut, Šárka Hošková-Mayerová, Some Aspects Regarding RSA Cryptosystem, in Sarka Hošková-Mayerová, Cristina Flaut, Daniel Flaut, Pavlina Rackova, Changes and Innovations in Social Systems, Springer, April, **2025**, ISBN:

SCOALA DOCTORALA MATEMATICĂ

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			978-3-031-43505-8, pp.645-657, https://link.springer.com/book/10.1007/978-3-031-43506-5
5.	Flaut Cristina	Prof. dr.	Cristina Flaut, Remarks Regarding Special Elements in Algebras Obtained by the CayleyDickson Process. A Short Survey, in Sarka Hošková-Mayerová, Cristina Flaut, Daniel Flaut, Pavlina Rackova, Changes and Innovations in Social Systems, Springer, April, **2025**, ISBN: 9783-031-43505-8, pp.65-86, https://link.springer.com/book/10.1007/978-3-031-43506-5
6.	Flaut Cristina	Prof. dr.	Sarka Hošková-Mayerová, Cristina Flaut, Daniel Flaut, Pavlina Rackova, Changes and Innovations in Social Systems, Springer, April, **2025**, ISBN: 978-3-031-43505-8, 657 pag https://link.springer.com/book/10.1007/978-3-031-43506-5
7.	Flaut Cristina	Prof. dr.	Cristina Flaut, Dana Piciu, Murat Tosun, Advances in Classical and Applied Mathematics, Axioms MDPI, Martie 2025, ISBN 978-3-7258-3580-5(Hardback), ISBN 978-3-7258-3579-9, https://www.mdpi.com/books/reprint/10694-advances-in-classical-and-applied-mathematics
8.	Vernic Raluca	Prof. dr.	Adrian Bâcă, A., Raluca Vernic, Extreme Values Modeling using the Gamma-Lognormal-Pareto Three-Spliced Distribution. In: Changes and Innovations in Social Systems, Editors: Hoskova-Mayerova, Sarka; Flaut, Cristina; Flaut, Daniel and Rackova, Pavlina. Springer, 2025, pp.137-163. https://link.springer.com/book/10.1007/978-3-031-43506-5
9.	Lascu Dan	Prof. dr.	G.I. Sebe, D. Lascu, Metrical and Ergodic Theory of Continued Fraction Algorithms, Frontiers in Mathematics, (2025) Birkhäuser, Cham. https://link.springer.com/book/10.1007/978-3-031-86634-0

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CENTRALIZATOR
PARTICIPĂRI LA MANIFESTĂRI ȘTIINTIFICE ȘI ARTISTICE/COMUNICĂRI ȘTIINȚIFICE
2021-2025

Participări la manifestări științifice ale cadrelor didactice afiliate SDMate

Nr. crt.	Rezultate ale activității de cercetare științifică	2021	2022	2023	2024	2025	TOTAL
1	PARTICIPĂRI LA MANIFESTĂRI ȘTIINTIFICE	1	3	5	4	2	**15**

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Nr. crt.	Nume și prenume	Funcție didactică	Manifestare științifică (denumire, an, organizator)
1.	Vernic Raluca	Prof. dr.	C. Bolance, R. Vernic, A. Badea, *Modelling joint actuarial costs using a bivariate Lognormal-Pareto distribution*, SEIO 2025 Congress (congress of the Spanish Society of Statistics and Operational Research), Lleida Spain.
2.	Lascu Dan	Prof. dr.	D. Lascu, G.I. Sebe, Exploring Gauss-Kuzmin theorems for generalized Rényi continued fractions, 11th International Conference SEA-CONF 2025, Constanţa, Romania
3.	Vernic Raluca	Prof.dr.	A. Badea, E. Pelican, R. Vernic, *Exploring sum-product networks for image classification*. Applications. SYNASC 2024: 26th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, September 16-19 2024, West University Timișoara, Romania.
4.	Vernic Raluca	Prof. dr.	A. Bâcă, R. Vernic, *Modelling the Danish data set using three-spliced distributions. Statistical Modeling with Applications* - StatMod2024, 24–25 September, University of Belgrade, Belgrade, Serbia, 2024.
5.	Vernic Raluca	Conf.dr. Prof.dr.	A. Badea, E. Pelican, R. Vernic, *Mixed Sum-Product and Convolutional Networks for Classification Problems*. ECCO-2024: International Conference on Electronics, Communications and Computing, Universitatea Tehnica Moldova, 17-18 October, 2024, Chisinau.
6.	Lascu Dan	Prof. dr.	D. Lascu, G.I. Sebe, *Some Metric Problems of the Rényi-type continued fractions*, 10th International Conference SEA-CONF 2024, Constanţa, Romania
7.	Vernic Raluca	Prof. dr.	R. Vernic, C. Bolance, *Extending composite distributions to the bivariate setting*, Statistical Modeling with Applications - StatMod2023, September 29-30, 2023; Bucuresti, ISMMA Bucuresti, 2023
8.	Vernic Raluca	Prof. dr.	A. Răducanu, R. Vernic, G. Zbăganu, *A new order relation between random variables applied to an investment problem*, Statistical Modeling with Applications - StatMod2023, September 29-30, 2023; Bucuresti, ISMMA Bucuresti, 2023
9.	Vernic Raluca	Prof. dr.	A. Badea, C. Bolancé, R. Vernic, *Bivariate composite distributions with Pareto tail for modeling bivariate data*, Mathematical Modeling Conference - MATHMODEL 2023, 6-9 December 2023, Borovets, Bulgaria, SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING Bulgaria, 2023
10.	Vernic Raluca	Prof. dr.	A. Bâcă, C. Bolancé, R. Vernic, *On the bivariate Farlie-Gumbel-Morgenstern distribution with alternative composite Exponential-Pareto marginals*, 16th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2023), University of Applied Sciences, Berlin, CMStatistics and HTW Berlin, University of Applied Sciences, 2023
11.	Lascu Dan	Prof. dr.	D. Lascu, G.I. Sebe, *N-continued fractions and the associated random system with complete connections*, 9th International

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			Conference SEA-CONF 2023, Constanţa, Romania
12.	Vernic Raluca	Prof. dr.	R. Vernic, C. Bolance, M. Giullen, *On a Bivariate Sarmanov Distribution with Composite Marginals for Bivariate Auto Insurance Costs*, 25th International Congress on Insurance: Mathematics and Economics; online conference, Lingnan College, Sun Yat-sen University and Macquarie Business School, Macquarie University, 2022
13.	Vernic Raluca	Prof. dr.	A. Bâcă, R. Vernic, *Extreme values modeling using the Gamma-Lognormal-Pareto three-spliced distribution*., CAIM - the 29th Conference On Applied And Industrial Mathematics, Chisinau, Republic of Moldova, Universitatea de Stat din Tiraspol, 2022
14.	Lascu Dan	Prof. dr.	D. Lascu, G. Novac, *Gauss-Kuzmin theorem for N-continued fractions*: *a two dimensional case*, 8th International Conference SEA-CONF 2022, Constanţa, Romania
15.	Vernic Raluca	Prof. dr.	C. Bolance, R. Vernic, *Frequency and severity dependence in the collective risk model: three approaches based on the Sarmanov distribution*, 24th INTERNATIONAL CONGRESS ON INSURANCE: MATHEMATICS AND ECONOMICS, virtual event, Jointly hosted by the University of Illinois Urbana-Champaign and the Pennsylvania State University in the United States, Ulm University in Germany, and the University of New South Wales (UNSW Sydney) in Australia, 2021

Fişa de verificare a îndeplinirii standardelor minimale naţionale pentru conferirea gradului didactic de Profesor universitar/Atestatului de Abilitare

(Panel 1 – Matematică *Standarde minimale: S ≥ 5; S_recent ≥ 2.5; C ≥ 12*)

Prof.univ.dr.habil. Eduard-Marius CRĂCIUN

LUCRARI PUBLICATE IN REVISTE ISI

Nr. crt.	Lucrare (autori / titlu / revista, număr, pag. inceput-sfarsit, anul)	SRI/nr aut Anul cel mai favorabil
1.	S. Das , R. Dutta, A. Sur A, *EM Craciun*, *Dynamic response of porous viscoelastic living tissue under fractional-order Moore–Gibson–Thompson thermoelasticity theory*, International Journal of Numerical Methods for Heat & Fluid Flow, **35**(9), 3503–3535, (2025) DOI: 10.1108/HFF-04-2025-0269	1,160/4 2023 ***0,290***
2.	A. Sur A, S. Das, V. Gupta, *EM Craciun*, *Coupled thermo-mechanical dynamics of rotating nano-beams with spatiotemporal nonlocality and higher-order memory-driven heat transfer*, International Journal of Numerical Methods for Heat & Fluid Flow, **35**(12), 4464–4491, (2025) DOI:10.1108/HFF-06-2025-0411	1,160/4 2023 ***0,290***
3.	*EM Craciun*, SK Tiwari, S Das , *Numerical solution of nonlinear reaction advection-diffusion equation using the modified collocation method*, Analele Stiintifice ale Universitatii Ovidius Constanta: Seria Matematica **33**(2), 45–65, (2025) DOI: 10.2478/auom-2025-0018	0,386/2 2023 ***0***
4.	SK. Panja, S. Alam, SC. Mandal, *EM Craciun*. *Effect of coated hard sphere-filled metacomposite layer on Love wave propagation in an orthotropic half-space* Z. Angew. Math. Mech., ZAMM, **105**(5), e70072, (2025) DOI: 10.1002/zamm.70087	0,783/4 2023 ***0,196***
5.	M. Singh, S. Das, Rajeev, *EM. Craciun*. *Numerical simulation of variable order fractional coupled fitzhugh-nagumo reaction-diffusion problem and it's analysis* Journal of Applied Analysis & Computation, **15**(2), 810-838, (2025). DOI: 10.11948/20240164	0,502/4 2023 ***0,125***
6.	SK. Panja, S. Alam, SC. Mandal, *EM Craciun*. *Love wave scattering by an interface crack between an orthotropic layer and an isotropic half-space*. Continuum Mech. Thermodyn. **37**, 38, (2025). DOI:10.1007/s00161-025-01375-y	1,418/4 2023 ***0,364***
7.	*EM. Craciun*, GMD. Ghita, E. Rapeanu, *Prestressed and prepolarized piezoelectric material with an elliptical hole*. Z. Angew. Math. Phys. **76**, 18, (2025). DOI:10.1007/s00033-024-02396-4	1,457/4 2023 ***0,354***

8.	AR. Meghana, R Dutta, V Gupta, A Singhal, *EM Craciun*, S Das *Size-dependent analysis of surface wave in irregular fractured porous seabed subjected to fractional-order derivative* Mechanics of Advanced Materials and Structures, 1-22, (2024). DOI: 10.1080/15376494.2024.2440131	1,308/4 2023 ***0,327***
9.	OA Florea, *EM Craciun*, A Öchsner, AN Emin *A qualitative analysis on the double porous thermoelastic bodies with microtemperature* Continuum Mechanics and Thermodynamics **36**(6), 1801-1813, (2024). DOI:10.1007/s00161-024-01330-3	1,418/4 2023 ***0,364***
10.	GMD Ghita, *EM Craciun*, *Reinforced crack propagation in a prestressed and prepolarized piezoelectric material*, Composite Structures **342**, 118248, (2024). DOI:10.1016/j.compstruct.2024.118248	2,402/2 2023 ***1,201***
11.	M Kashif, M Singh, T Som, *EM Craciun*, *Numerical study of variable order model arising in chemical processes using operational matrix and collocation method*, Journal of Computational Science **80**, 102339, (2024). DOI:10.1016/j.jocs.2024.102339 WOS:001249128500001	1,566/4 2023 ***0,391***
12.	*EM Craciun*, R. Cergan, S. Dragosloveanu, *Recent advances of crack propagation in human bone*, Analele Științifice UOC_seria Matematică, **32**(2), 43–51 (2024). DOI:10.2478/auom-2024-0018	0,386/2 2023 ***0***
13.	Das SS, Tanwar A, Das S, *Craciun E-M.* Wiener–Hopf method to solve the anti-plane problem of moving semi-infinite crack in orthotropic composite materials. Mathematics and Mechanics of Solids **29**(7), 1311-1324, (2024) DOI:10.1177/10812865231224348	1,002/4 2023 ***0,250***
14.	S Das, R Dutta, *EM Craciun*, A Sur, MS Barak, V Gupta, *Size-dependent effect on the interaction of surface waves in micropolar thermoelastic medium with dual pore connectivity*, Physica Scripta **99**(6), 065232, (2024) DOI:10.1088/1402-4896/ad4829	1,017/6 2023 ***0,170***
15.	K Singh, I Kaur, *EM Craciun*, Moore–Gibson–Thompson Coupled Hygro-Photo-Thermoelastic Solid Cylinder with Hyperbolic Two Temperatures. Mech. Solids **58**, 2197–2214 (2024) DOI:10.3103/S0025654423601799 WOS:001177639600029	1,04/4 2023 ***0,26***
16.	I. Kaur, K. Singh, *E-M. Craciun* *Moore–Gibson–Thompson Coupled Hygro-Photo- Thermoelastic Solid Cylinder with Hyperbolic Two Temperatures*, Mechanics of Solids, **58**(6), 2197–2214, (2023) DOI: 10.3103/S0025654423601799	0,233/3 2023 ***0,077***
17.	K. Singh, I. Kaur, *E-M. Craciun* *Hygro-photo-thermoelastic solid cylinder under moisture and thermal diffusivity with Moore-Gibson-Thompson theory*,	0

	Discover Mechanical Engineering, **2**, 21, (2023) DOI:10.1007/s44245-023-00028-1	
18.	A.Tanwar, S. Das, *E-M. Craciun*, H. Altenbach *Interaction among interfacial offset cracks in composite materials under the anti-plane shear loading,* Z. Angew. Math. Mech., ZAMM, **103**(11), e202300081, (2023) DOI:10.1002/zamm.202300081	0,783/4 2023 ***0,196***
19.	K. Singh, I. Kaur, *E-M. Craciun* *Study of Transversely Isotropic Visco-Beam with Memory-Dependent Derivative,* Mathematics, **11**(21):4416, (2023) DOI:0.3390/math11214416	0,597/3 2023 ***0,199***
20.	K. Singh, I. Kaur, *E-M. Craciun* *Plane Wave Reflection in Nonlocal Semiconducting Rotating Media with Extended Model of Three-Phase-Lag Memory-Dependent Derivative,* Symmetry,**15**(10):1844, (2023) DOI:10.3390/sym1510184	0,660/3 2023 ***0,220***
21.	D. Sanjeev, K. Singh, *E-M. Craciun*, A Rabaea, *Next-Cart Recommendation by Utilizing Personalized Item Frequency Information in Web Portals,* Neural Process Letters **55**, 9409–9434 (2023) DOI:10.1007/s11063-023-11207-2	0,737/4 2023 ***0,184***
22.	K. Singh, I. Kaur, *E-M. Craciun* *Recent advances in the theory of thermoelasticity and the modified models for the nanobeams: a review,* Discover Mechanical Engineering **2**, 2 (2023) DOI:10.1007/s44245-023-00009-4	0
23.	I. Kaur, K. Singh, *E-M. Craciun*, *New Modified Couple Stress Theory of Thermoelasticity with Hyperbolic Two Temperature,* Mathematics, **11**, 432, (2023) DOI:10.3390/math11020432	0,597/3 2023 ***0,199***
24.	*EM Craciun*, M Singh, *Operational matrix method to solve nonlinear reaction-advection-diffusion equation in fractional order system,* An. Şt. Univ. "Ovidius" Constanţa-Matematică **30**(3), 97-116, (2022) DOI: 10.2478/auom-2022-0036	0,386/2 2023 ***0***
25.	M. Jafari, M.H.B. Chaleshtari, *E-M. Craciun*, *Investigation of interlaminar stresses surrounding circular hole in composite laminates under uniform heat flux.* Continuum Mech. Thermodyn., **34**(5), 1143-1158 (2022) DOI:10.1007/s00161-022-01106-7	1,418/3 2023 ***0,472***

26.	M. Marin, S. Vlase, A. Öchsner, *E-M. Craciun*, *Some results on the electroacoustic energy flux for micropolar bodies,* Continuum Mech. Thermodyn. **34**, 1197–1204 (2022) DOI:10.1007/s00161-022-01114-7	1,418/4 2023 ***0,354***
27.	K. Singh, I. Kaur, *E-M. Craciun* *A Mathematical Study of a Semiconducting Thermoelastic Rotating Solid Cylinder with Modified Moore–Gibson–Thompson Heat Transfer under the Hall Effect* Mathematics, 10(14):2386, (2022) DOI:10.3390/math10142386	0,597/3 2023 ***0,199***
28.	K. Singh, I. Kaur, GMD. Ghita, *E-M. Craciun* *Modeling of a magneto-electro-piezo-thermoelastic nanobeam with two temperature subjected to ramp type heating,* *Proceedings of the Romanian Academy Series A* (23), 141-149, (2021)	0,158/4 2023 ***0***
29.	M. Marin, S. Vlase, *E-M Craciun*, N. Pop, I. Tuns, *Some Results in the Theory of a Cosserat Thermoelastic Body with Microtemperatures and Inner Structure*. Symmetry **14**, 511, (2022) DOI:10.3390/sym14030511	0,660/5 2023 ***0,152***
30.	I. Kaur, K. Singh, *E-M. Craciun*, H. Altenbach, *Transversely Isotropic Visco-Thermo-elastic Nanobeam with Time Harmonic Laser Pulse and New modified TPL GN-model*, ZAMM, 102(4), e202100263, (2022) DOI:10.1002/zamm.202100263	0,783/4 2023 ***0,196***
31.	N. Trivedi, S. Das, *E-M. Craciun*, *The mathematical study of an edge crack in two different specified models under time-harmonic wave*, Mechanics of Composite Materials, 58(1), (2022) DOI: 10.1007/s11029-022-10007-4	0,621/3 2023 ***0,207***
32.	MHB. Chaleshtari, M. Jafari, H. Khoramishad, *E-M. Craciun*, *Mutual Influence of Geometric Parameters and Mechanical Properties on Thermal Stresses in Composite Laminated Plates with Rectangular Holes*, Mathematics, **9**(4), 311, (2021), DOI:10.3390/math9040311	0,597/4 2023 ***0,149***
33.	T. Sadowski, P. Golewski, *E-M. Craciun*, *Internal structure influence on the impact strength and dynamic fracture toughness of hybrid polymer matrix composites integrated with elastomer layers*, Composite Structures, **258**(2), 113375, (2021), DOI:10.1016/j.compstruct.2020.113375	2,313/3 2023 ***0,771***
34.	M. Jafari, MHB. Chaleshtari, *E-M. Craciun* *Ant lion optimizer: A novel strategy for global engineering optimization of stress in infinite perforated composite plates,* *Proceedings of the Romanian Academy Series A*, **22**(1), 45-53, (2021)	0,158/3 2023 ***0***
35.	P. Pandey, S. Das, *E-M Craciun*, T. Sadowski, *Two dimensional nonlinear time fractional reaction-diffusion equation in application to sub-diffusion process of the multicomponent fluid in porous media*, MECCANICA, **56**, 99-115, (2020), DOI: 10.1007/s11012-020-01268-1	0,984/4 2023 ***0,246***

36.	A. N. Emin, O.A. Florea, *E-M. Craciun* *Some uniqueness results for thermoelastic materials with double porosity structure,* Continuum Mech. Thermodyn. **33**, 1083–1106, (2021) DOI:10.1007/s00161-020-00952-7	1,418/3 2023 ***0,472***
37.	M. Singh, S. Das, Rajeev, *E-M. Craciun,* *Numerical solution of two-dimensional nonlinear fractional order reaction-advection-diffusion equation by using collocation method* An. St. Univ. "Ovidius" Constanta, seria Matem., **29**(2),2021, 211–230, DOI: 10.2478/auom-2021-0027, **(2021)**	0,386/4 2023 ***0***
38.	*E-M Craciun*, A. Rabaea, S. Das *Cracks interaction in a pre-stressed and pre-polarized piezoelectric material,* Journal of Mechanics, Cambridge Univ. Press **36**(2), 177-182, (2020) DOI: 10.1017/jmech.2019.57	0,453/4 2023 ***0***
39.	M. Marin, A. Öchsner, *E-M Craciun*, *A generalization of the Gurtin's variational principle in thermoelasticity without energy dissipation of dipolar bodies* Continuum Mech. Thermodyn., **32**, 1685-1694, (2020) DOI: 10.1007/s00161-020-00873-5	1,418/3 2023 ***0,472***
40.	M. Jafari, MHB. Chaleshtari, H. Abdolalian, E-M Craciun, L. Feo *Determination of forces and moments per unit length in symmetric exponential FG plates with a quasi-triangular hole,* Symmetry,**12**(5), (2020) DOI: 10.3390/sym12050834	0,660/5 2023 ***0,132***
41.	M. Jafari, SAM. Hoseyni, H. Altenbach, *E-M. Craciun* *Optimum design of infinite perforated orthotropic and isotropic plates,* Mathematics, **8**(4), 569, (2020) DOI:10.3390/math8040569	0,597/4 2023 ***0,149***
42.	M. Marin, *E-M. Craciun,* N Pop, *Some results in Green-Lindsay thermoelasticity of bodies with dipolar structure,* Mathematics, **8**(4), 497, (2020) DOI: 10.3390/math8040497	0,597/3 2023 ***0,199***
43.	M. Marin, I. Abbas, S.Vlase, E-M. Craciun, *Some results for dipolar structure in thermoelasticity backward in time* Frontiers in Physics: Mathematical Physics **8**, 41, (2020) DOI: 10.3389/fphy.2020.00041	1,576/4 2023 ***0,394***
44.	A. Singh, S. Das, *E-M Craciun*, *Semi-infinite crack in an orthotropic strip sandwiched between two identical half planes,* Journal of Mechanics, Cambridge Univ. Press **36**(2), 177-182, (2020) DOI: 10.1017/jmech.2019.54	0,453/4 2023 ***0***
45.	E-M Craciun, S. Das, P. Pandey, S. Kumar, *Numerical solution of two dimensional reaction-diffusion equation using operational matrix method based on Genocchi polynomial. Part II: Error bound and stability analysis,* *Proceedings of the Romanian Academy Series A,* **21**(2), *147–154*, (2020)	0,158/3 2023 ***0***

46.	M. Marin, I. Abbas, S. Vlase, E-M Craciun A Study of Deformations in a Thermoelastic Dipolar Body with Voids, Symmetry 12, 267, (2020) DOI:10.3390/sym12020267	0,660/4 2023 ***0,165***
47.	A. Singh, S.Das, H. Altenbach, *E-M Craciun.* *Semi-infinite moving crack in an orthotropic strip sandwiched between two identical half planes*, Z Angew. Math. Mech., ZAMM, **100**(2), (2020**)** DOI:10.1002/zamm.201900202	0,783/4 2023 ***0,196***
48.	M. Marin, A. Öchsner, *E-M Craciun*, *A generalization of the Saint-Venant's principle for an elastic body with dipolar structure*, Continuum Mech. Thermodyn., **32**, 269-278, (2020) DOI:10.1007/s001161-019-00827-6.	1,418/3 2023 ***0,472***
49.	P. Pandey, S. Kumar, S. Das, E-M Craciun, *Numerical solution of two dimensional reaction-diffusion equation using operational matrix method based on Genocchi polynomial. Part I: Genocchi polynomial and opperational matrix*, *Proceedings of the Romanian Academy Series A*, **20**(4), *393–399*, (2019)	0,158/3 2023 ***0***
50.	A. Singh, S.Das, *E-M Craciun*, *The effect of thermo-mechanical loading on the edge crack of finite length in an infinite orthotropic strip*, Mechanics of Composite Materials, **55**(3), 285-296, (2019) DOI:10.1007/s11029-019-09812-1	0,621/3 2023 ***0,207***
51.	*E-M Craciun*, M. Marin, A. Rabaea, *Anti-plane crack in human bone. I.Mathematical modelling*, An. St. Univ." Ovidius" Constanta- Matematica **26**(1), 81-90, (2018) DOI:10.2478/auom-2018-0004	0,386/3 2023 ***0***
52.	A. Singh, S.Das, *E-M Craciun*, *Thermal stress intensity factor for an edge crack in orthotropic composite media*, Composites Part B, **153**(15), 130-136, (2018) DOI:10.1016/j.compositesb.2018.07.013	4,125/3 2023 ***1,375***
53.	*E-M Craciun*, A Rabaea, MF Popa, CI Mihailov, *Crack Propagation in the Human Bone. Mode I of Fracture*, An. St. Univ." Ovidius" Constanta-Seria Matematica 26 (2), 59-70, (2018) DOI:10.2478/auom-2018-0018	0,386/4 2023 ***0***
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Standarde minimale CNATDCU_abilitare: S_{min} = 5, $S_{rec\ min}$ = 2.5, C_{min} = 12.

S = 18,53 ≥ S_{min} = 5; S_{rec} recent publicat in ultimii 7 ani = 11,49 ≥ $S_{rec\ min}$ = 2,5;

15 citari in reviste din quartilele Q1 sau Q2 rezultate numai din doua articolele publicate

Prof. univ. dr. EDUARD-MARIUS CRACIUN

Nr. Crt.	***Articolul citat, referință bibliografică***	***Revista și articolul în care a fost citat***
1.	***EM. Craciun, E. Soos, Interaction of two unequal cracks in a***	*Theoretical and Applied Fracture Mechanics*, A complex analysis of stress intensity factors for two asymmetric and unequal collinear cracks in rocks subjected to compressive and shear loads, https://doi.org/10.1016/j.tafmec.2022.103258
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6.		*Proceedings of the The Royal Society, A: Mathematical, Phisical and Engineering Sciences* Cones of localized shearstrain in incompressible elasticity withprestress: Green's function and integralrepresentations, http://dx.doi.org/10.1098/rspa.2014.0423
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10.	***states in prestressed and prepolarized***	*Composite Structures,* Design and optimization of variable stiffness piezoelectric energy harvesters, https://doi.org/10.1016/j.compstruct.2022.115204
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Standarde minimale –Prof.univ.dr Cristina FLAUT

15.11.2025

-**Abilitare**, cf OM-3965/07.06.2016 **(** conditie obligatorie pt postul de profesor, cf LEN1/2011, reactualizata, articol 301, alineat 5, http://univ-ovidius.ro/info-publice/docs/1/LEGEA_Nr_1_din_2011_actualizata_aprilie_2018.pdf)

-**It= 14.4255** >5(minim)

-**Ir= 9.8392**>2.5(minim)

-**Citari>=100>**12(minim)

15 Premii UEFISCDI: 6 in zona rosie si 9 in zona galbena

-Martie 2023- **Premiul pentru Cel mai Bun Cercetator al** Facultatii de Matematica si Informatica, Universitatea Ovidius din Constanta in anul **2022**

- Martie 2024- **Premiul pentru Cel mai Bun Cercetator al** Facultatii de Matematica si Informatica, Universitatea Ovidius din Constanta in anul **2023**

-24 Martie 2020- Premiul pentru Cel mai Bun Cercetator al Universitatii Ovidius din Constanta din anul 2019, https://univ-ovidius.ro/images/-docs/decizii/ca/219.HCA_2020.03.24_259-275.pdf

-25 Martie 2016- **Premiul pentru Cel mai Bun Cercetator al** Facultatii de Matematica si Informatica, Universitatea Ovidius din Constanta in anul **2015**

-25 Martie 2016- **Premiul pentru Cel mai Bun Cercetator al** Universitatii Ovidius din Constanta in anul **2015**

-H-index=9, cf ISI Thomson

Punctaj

	sri	an	nr aut	Total	In ultimii 7 ani
Cristina Flaut, *Levels and sublevels of algebras obtained by the Cayley–Dickson process,* **Ann. Mat. Pura Appl., 192(6)(2013), 1099-1114,** DOI: 10.1007/s10231-012-0260-3. http://www.springerlink.com/content/k746l7060x03285n/	**1.656**	**2024**	**1**	**1.656**	**NU**
Cristina Flaut, *Codes over a subset of Octonion Integers*, Results Math., 68(3)(2015), 348-359, http://link.springer.com/article/10.1007/s00025-015-0442-6 , DOI: 10.1007/s00025-015-0442-6	**1.193**	**2024**	**1**	**1.193**	**NU**
Cristina Flaut, Vitalii Shpakivskyi, Elena Vlad, *Some remarks regarding h(x) – Fibonacci polynomials in an arbitrary algebra,* Chaos, Solitons & Fractals, **99(2017)**, 32-35, DOI http://dx.doi.org/10.1016/j.chaos.2017.03.040 , http://www.sciencedirect.com/science/article/pii/S0960077917301005	**2.503**	**2024**	**3**	**0.8343**	**DA**
Arsham Borumand Saeid, **Cristina Flaut**, Sarka Hoskova-Mayerova, Morteza Afshar, Marjan Kuchaki Rafsanjani, *Some connections between BCK-algebras and n-ary block codes*, Soft Computing, 22(1)(2018), 41-46, https://link.springer.com/article/10.1007/s00500-017-2788-z , DOI 10.1007/s00500-017-2788-z	**0.905**	**2024**	**5**	**0.181**	**DA**
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TOTAL=14.4255 PUNCTE

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	Vahid Vahedi 1 , Morteza Jafarpour 1,*,† , Sarka Hoskova-Mayerova 2 , Hossein Aghabozorgi 1 , Violeta Leoreanu-Fotea 3 and Svajone Bekesiene, Derived Hyperstructures from Hyperconics, *Mathematics* 2020, *8*(3), 429; https://doi.org/10.3390/math8030429	**2021-SRI=0.507**
9. Cristina Flaut, *Some connections between binary block codes and Hilbert Algebras*, chapter in the Springer's book series: *Studies in Systems, Decision and Control, Contributed volume: Recent Trends in Social Systems: Qualitative Theories and Quantitative Models, 2017*, 249-256, DOI: 10.1007/978-3-319-40585-8_22, WOS:000399117700023, Book DOI: 10.1007/978-3-319-40585-8, ISBN:978-3-319-40585-8; 978-3-319-40583-4, ISSN: 2198-4182. http://www.springer.com/us/book/9783319405834		
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10. C. Flaut, D. Savin, Some special number sequences obtained from a difference equation of degree three, Chaos Solitons Fractals 106 (1) (2018) 67–71, doi: 10.1016/j.chaos.2017.11.015 .		
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	Wojciech Florek, *A class of generalized Tribonacci sequences applied to counting problems*, Applied Mathematics and Computation 338 (2018) 809–821, https://doi.org/10.1016/j.amc.2018.06.014	**2018-SRI=0.970**
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	V. T. Markov, A. A. Tuganbaev, *Cayley–Dickson process and centrally essential rings*, Journal of Algebra and Its Applications, https://doi.org/10.1142/S0219498819502293	**2018-SRI=0.667**
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- Carti/Capitole din Carti

1. **Flaut Cristina**, **Hošková-Mayerová**, Šárka, Vasile Radu, *Some Remarks Regarding Finite Bounded Commutative BCK-Algebras*, in **Hošková-Mayerová**, Šárka, **Flaut**, **Cristina**, **Maturo,** Fabrizio, Algorithms as a Basis of Modern Applied Mathematics, Springer Nature Switzerland AG, ISBN 978-3-030-61334-1, 2021, p.131-140, https://www.springer.com/gp/book/9783030613334

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3. **10. Hošková-Mayerová**, Šárka, **Flaut**, **Cristina**, **Maturo,** Fabrizio, *Algorithms as a Basis of Modern Applied Mathematics*, Springer Nature Switzerland AG, ISBN 978-3-030-61334-1, 2021, https://www.springer.com/gp/book/9783030613334

4. **Cristina Flaut,** Sarka Hošková-Mayerová, Daniel Flaut, *Models and Theories in Social Systems,* Springer Nature, 2019, https://www.springer.com/us/book/9783030000837, e-ISBN: 978-3-030-00084-4, ISBN: 978-3-030-00083-7,DOI: 10.1007/978-3-030-00084-4

5. **Cristina Flaut,** An algebraic model for real matrix representations. Remarks regarding Quaternions and Octonions, chapter in the Springer's book series: *Studies in Systems, Decision and Control, Contributed volume:* Cristina Flaut, Sarka Hošková-Mayerová, Daniel Flaut, *Models and Theories in Social Systems*, Springer Nature, 2019, https://www.springer.com/us/book/9783030000837

6. Ravi P. Agarwal, **Cristina Flaut**, Donal O'Regan, *An Introduction to Real Analysis*, will appear in Chapman and Hall/CRC Press-Taylor and Francis Group, Florida 33487, U.S.A., 2018, 277 p, **ISBN 978-0-8153-9685-7**, Catalogue Number K344954, https://www.crcpress.com/An-Introduction-to-Real-Analysis/Agarwal-Flaut-ORegan/p/book/9780815396857 .

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8. Cristina Flaut, *Some connections between binary block codes and Hilbert Algebras*, chapter in the Springer's book series: *Studies in Systems, Decision and Control, Contributed volume: Recent Trends in Social Systems: Qualitative Theories and Quantitative Models, 2017,* 249-256, DOI: 10.1007/978-3-319-40585-8_22, WOS:000399117700023, Book DOI: 10.1007/978-3-319-40585-8, ISBN:978-3-319-40585-8; 978-3-319-40583-4, ISSN: 2198-4182. http://www.springer.com/us/book/9783319405834

9. Cristina Flaut, Daniel Flaut, *Notes on some diplomatic cryptosystems used in the 17th and 18th centuries*, chapter in the Springer's book series: *Studies in Systems, Decision and Control, Contributed volume: Recent Trends in Social Systems: Qualitative Theories and Quantitative Models, 2017,* 317-328, **DOI: 10.1007/978-3-319-40585-8_28, WOS:000399117700029, Book DOI: 10.1007/978-3-319-40585-8, ISBN:978-3-319-40585-8; 978-3-319-40583-4, ISSN: 2198-4182.** http://www.springer.com/us/book/9783319405834

Fişa de verificare a îndeplinirii standardelor minimale naţionale pentru conferirea gradului didactic de Profesor universitar/Atestatului de Abilitare

(Panel 1 - Matematică)

Prof.univ.dr.habil. Dan LASCU

Standarde minimale: S ≥ 5; S_recent ≥ 2.5; C ≥ 12

Punctaje realizate: S = 10.7376; S_recent=5.966; C=41

Articole publicate în reviste care au maximul factorilor SRI din ultimele cinci liste publicate (anii 2020-2024) mai mare sau egal cu 0.5:

Nr. crt.	Autori, Titlu articol, Referinţa bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1.	Sebe, G. I.**, LASCU, D.**, SELMI, B., (2025) *On the fractal dimension and structure of exceptional sets in θ-expansions*, Portugaliae Mathematica, published online first, https://doi.org/10.4171/pm/2154	Da	1.225 (2024)	3	**0.408**
2.	**LASCU, D.**, SEBE, G. I. (2025) *Exploring Gauss-Kuzmin-type problems and a variant of the Borel-Bernstein theorem for Rényi-type continued fraction expansions*,Arabian Journal of Mathematics,https://doi.org/10.1007/s40065-025-00582-4	Da	0.651 (2024)	2	**0.3255**
3.	Sebe, G. I.**, LASCU, D.**, SELMI, B. (2025) *The Hausdorff dimension of the sets of irrationals with prescribed relative growth rates*, Journal of Geometric Analysis **35**(1), 33, 15 pages https://doi.org/10.1007/s12220-024-01866-5	Da	**2.157 (2024)**	**3**	**0.719**
4.	Sebe, G.I., **Lascu D.** (2025) *On the ψ-mixing coefficients of Rényi-type maps*, Publicationes Mathematicae Debrecen **106** (1-2), pp. 125-146, https://publi.math.unideb.hu/load_doc.php?p=4298&t=abs	Da	**0.738 (2024)**	**2**	**0.369**
5.	Sebe, G.I., **Lascu D.** (2022), *Two asymptotic distributions related to Rényi-type continued fraction expansions*, Periodica Mathematica Hungarica 85 (2), pp. 380-398 https://doi.org/10.1007/s10998-021-00444-4	Da	**1.116 (2024)**	**2**	**0.558**
6.	Sebe, G.I., **Lascu D.** (2022), *Some asymptotic results for the continued fraction expansions with odd partial quotients*, Turkish Journal of Mathematics 46(7) pp. 3011-3024 https://doi.org/10.55730/1300-0098.3315	Da	**0.637 (2024)**	**2**	**0.3185**
7.	**Lascu D.**., Sebe G.I. (2021), *A Lochs-Type Approach via Entropy in Comparing the Efficiency of Different Continued Fraction Algorithms*, Mathematics **9** (3) 255, https://doi.org/10.3390/math9030255	Da	**0.860 (2024)**	**2**	**0.430**

8.	Sebe, G.I., **Lascu D.**, *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Publicationes Mathematicae Debrecen **96** (3-4), pp. 291-314 (2020), ISSN 0033-3883, **DOI**: 10.5486/PMD.2020.8536 http://publi.math.unideb.hu/load_jpg.php?p=2371	Da	**0.738 (2024)**	**2**	**0.369**
9.	Sebe, G.I., **Lascu D.**, *Convergence rate for Rényi-type continued fraction expansions*, Periodica Mathematica Hungarica 81(2) pp. 239-249 (2020), https://doi.org/10.1007/s10998-020-00325-2	Da	**1.116 (2024)**	**2**	**0.558**
10.	**Lascu D**., Sebe, G.I., *A Gauss-Kuzmin-Lévy theorem for Rényi-type continued fractions*, Acta Arithmetica **193**(3), pp. 283-292 (2020) ISSN 0065-1036 DOI: 10.4064/aa181009-18-2	Da	**1.218 (2024)**	**2**	**0.609**
11.	**Lascu D.**, Sebe, G.I., *A dependence with complete connections approach to generalized Rényi continued fractions*, Acta Mathematica Hungarica **160**(2), pp. 292-313 (2020) ISSN 0236-5294 https://doi.org/10.1007/s10474-019-00974-x	Da	**1.130 (2024)**	**2**	**0.565**
12.	Sebe, G.I., **Lascu D.**, *On convergence rate in the Gauss-Kuzmin problem for θ-expansions*, Journal of Number Theory **195**, pp. 51-71 (2019) ISSN 0022-314X https://doi.org/10.1016/j.jnt.2018.05.018	Da	**1.474 (2024)**	**2**	**0.737**
13.	**Lascu D.**, Nicolae F., *A Gauss-Kuzmin-type theorem for θ-expansions*, Publicationes Mathematicae Debrecen **91**(3-4), pp. 281-295 (2017) ISSN 0033-3883 **DOI:** 10.5486/PMD.2017.7543, http://publi.math.unideb.hu/load_jpg.php?p=2175	Nu	**0.738 (2024)**	**2**	**0.369**
14.	**Lascu D.**, *Dependence with complete connections and the Gauss-Kuzmin theorem for N-continued fractions*, Journal of Mathematical Analysis and Applications **444**(1), pp. 610–623 (2016) ISSN 0022-247X https://doi.org/10.1016/j.jmaa.2016.06.046	Nu	**1.472 (2024)**	**1**	**1.472**
15.	**Lascu D.**, Cîrlig G. (2015) *On the metrical theory of a non-regular continued fraction expansion*, **An. Şt. Univ. Ovidius Constanţa**, Vol. 23(**2**), pp. 147–160, ISSN 1224-1784, DOI: 10.1515/auom-2015-0032	Nu	**0.521 (2024)**	**2**	**0.2605**
16.	Sebe, G.I., **Lascu D.** (2014) *A Gauss-Kuzmin theorem and related questions for θ-expansions*, Journal of Function Spaces, vol. 2014, Article ID 980461, 12 pages	Nu	**0.687 (2024)**	**2**	**0.3435**
17.	**Lascu D.**, *A Gauss-Kuzmin-type problem for a family of continued fraction expansions*, Journal of Number Theory **133**, pp.2153-2181 (2013) ISSN 0022-314X https://doi.org/10.1016/j.jnt.2012.12.007	Nu	**1.474 (2024)**	**1**	**1.474**
18.	Kawamura K., Hayashi Y., **Lascu D.**, *Continued Fraction Expansions and Permutative Representations of the Cuntz Algebra O_∞*, Journal of Number Theory **129** (12), pp. 3069 – 3080 (2009), ISSN 0022-314X https://doi.org/10.1016/j.jnt.2009.06.003	Nu	**1.474 (2024)**	**3**	**0.491**
19.	Kawamura K., **Lascu D.**, Colţescu I., *Jump transformations and embedding of O_∞ into O_2*, Journal of Mathematical Physics **50** (1), pp. 033501-1 – 033501-12 (2009) ISSN 0022-2488 https://doi.org/10.1063/1.3081386	Nu	**1.085 (2023)**	**3**	**0.3616**
TOTAL S = 10.7376		**S_recent = 5.966**			

Citări provenite de la articole ştiinţifice care au maximul factorilor SRI din ultimele cinci liste publicate (anii 2019-2023) mai mare sau egal cu 0.5:

Nr. crt.	Articolul citat	Articolul care citează	s_i
1.	Kawamura K., **Lascu D.**, Colţescu I. (2009) *Jump transformations and embedding of O_∞ into O_2*, Journal of Mathematical Physics 50 (1), pp. 033501-1 – 033501-12	Kawamura K., *Universal fermionization of bosons on permutative representations of the Cuntz algebra O_2*, Journal of Mathematical Physics 50(5): 053521, 9 (2009) https://doi.org/10.1063/1.3131688	1.003 (2023)
2.		Kawamura K., *Pure states on Cuntz algebras arising from geometric progressions*, Algebras and Representation Theory 19(6), pp.1297-1319 (2016), https://doi.org/10.1007/s10468-016-9619-2	0.946 (2023)
3.		Christopher Linden, *Slow continued fractions and permutative representations of O_N*, Canadian Mathematical Bulletin 63(4), pp.787-801 (2020). https://doi.org/10.4153/S0008439519000821	0.824 (2023)
4.	Kawamura K., Hayashi Y., **Lascu D.** (2009) *Continued Fraction Expansions and Permutative Representations of the Cuntz Algebra O_∞*, Journal of Number Theory 129 (12), pp. 3069–3080	Dutkay D.E., Jorgensen P.E.T., *Representations of Cuntz algebras associated to quasi-stationary Markov measures*, Ergodic Theory and Dynamical Systems 35(7), pp. 2080 - 2093 (2014) https://doi.org/10.1017/etds.2014.37.	1.445 (2023)
5.		Dutkay D.E., Haussermann J., Jorgensen P.E.T., *Atomic representations of Cuntz algebras*, Journal of Mathematical Analysis and Applications 421(1), pp. 215-243 (2015) https://doi.org/10.1016/j.jmaa.2014.07.005	1.088 (2023)
6.		Kawamura K., *Classification of sub-Cuntz states*, Algebras and Representation Theory 18 (2) pp. 555-584 (2015) https://doi.org/10.1007/s10468-014-9509-4	0.946 (2023)
7.		Kawamura K., *Pure states on Cuntz algebras arising from geometric progressions*, Algebras and Represention Theory 19(6), pp.1297-1319 (2016) https://doi.org/10.1007/s10468-016-9619-2	0.946 (2023)
8.		Hartmann M., Waldhauser T., *On strong affine representations of the polycyclic monoids*, Semigroup Forum 97(1), pp. 87-114 (2018) https://doi.org/10.1007/s00233-017-9889-y	0.670 (2023)
9.		Dutkay, D.E., Picioroaga G., Silvestrov S., *On generalized Walsh bases*, Acta Applicandae Mathematicae **163**(1), pp. 73-90 (2019) https://doi.org/10.1007/s10440-018-0214-x	1.010 (2023)
10.		Farsi, C., Gillaspy, E., Jorgensen, P. et al., *Purely atomic representations of higher-rank graph C*-algebras*, Integral Equations and Operator Theory (2018) 90:67 https://doi.org/10.1007/s00020-018-2493-z	1.174 (2023)
11.		Gonçalves, D., Royer, D., *Irreducible and permutative representations of ultragraph*	1.179 (2023)

		Leavitt path algebras, Forum Mathematicum **32**(2), pp.417-431 (2020), https://doi.org/10.1515/forum-2019-0270	
12.		Christopher Linden, *Slow continued fractions and permutative representations of O_N*, Canadian Mathematical Bulletin 63(4), pp.787-801 (2020). https://doi.org/10.4153/S0008439519000821	0.824 (2023)
13.		Ye, L. J., Jiang, L. N., *Minimal Representations of Cuntz Algebras*, Acta Mathematica Sinica, English Series, **36**(7) (2020) 749-764. https://doi.org/10.1007/s10114-020-8543-x	0.730 (2023)
14.		Eidt, Ben-Hur, Danilo Royer, *Representations of C*-algebras of row-countable graphs and unitary equivalence.*, Rocky Mountain Journal of Mathematics **50**(4) (2020) 1295-1312. https://projecteuclid.org/euclid.rmjm/1601344826 doi:10.1216/rmj.2020.50.1295	0.616 (2023)
15.		Wolfgang Bock, Vyacheslav Futorny, Mikhail Neklyudov, *A Poisson Algebra on the Hida Test Functions and a Quantization using the Cuntz Algebra,* Letters in Mathematical Physics 112, 24 (2022). https://doi.org/10.1007/s11005-022-01507-4	1.395 (2023)
16.		Christoffersen, N. J., Dutkay, D. E., *Representations of Cuntz algebras associated to random walks on graphs,* Journal of Operator Theory, 88(1) (2022) 141-172 http://dx.doi.org/10.7900/jot.2020dec07.2326	1.285 (2023)
17.	**Lascu D.** (2013) *A Gauss-Kuzmin-type problem for a family of continued fraction expansions*, Journal of Number Theory 133, pp.2153-2181	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.962 (2023)
18.		Zhang, X., *A Two-Dimensional Gauss–Kuzmin Theorem Associated with the Random Fibonacci-Type Sequences*, Mediterranean Journal of Mathematics 17, 101 (2020). https://doi.org/10.1007/s00009-020-01534-2	0.754 (2023)
19.		Taylor-Crush, Toby, *On the regularity and approximation of invariant densities for random continued fractions*, Dynamical Systems (2020): 1-17. DOI: 10.1080/14689367.2020.1785395	0.510 (2023)
20.		Symon Serbenyuk, *Systems of functional equations and generalizations of certain functions*, Aequationes Mathematicae (2021). https://doi.org/10.1007/s00010-021-00840-8	0.647 (2023)
21.	**Lascu D.** (2014) *A Gauss-Kuzmin Theorem For Continued Fractions Associated With Non-Positive Integer Powers Of An Integer m≥2*, The	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.962 (2023)

22.	Scientific World Journal, vol. 2014, Article ID 984650, 8 pages	Borwein J. M., Calkin N. J., Lindstrom S. B., Mattingly, A., *Continued Logarithms And Associated Continued Fractions*, Experimental Mathematics 26(4), pp.412-429 (2017) https://doi.org/10.1080/10586458.2016.1195307	1.017 (2023)
23.		Zhang, X., *A Two-Dimensional Gauss–Kuzmin Theorem Associated with the Random Fibonacci-Type Sequences*, Mediterranean Journal of Mathematics 17, 101 (2020). https://doi.org/10.1007/s00009-020-01534-2	0.754 (2023)
24.		Symon Serbenyuk, *Systems of functional equations and generalizations of certain functions*, Aequationes Mathematicae (2021). https://doi.org/10.1007/s00010-021-00840-8	0.647 (2023)
25.	Sebe, G.I., **Lascu D.** (2014) *A Gauss-Kuzmin theorem and related questions for θ-expansions*, Journal of Function Spaces, vol. 2014, Article ID 980461, 12 pages	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.962 (2023)
26.	**Lascu D.**, Nicolae F. (2017) *A Gauss-Kuzmin-type theorem for θ-expansions*, Publicationes Mathematicae Debrecen 91, pp. 1-15	Sebe G. I., *A near-optimal solution to the Gauss-Kuzmin-Lévy problem for θ-expansions*, Journal of Number Theory 171, pp. 43-55 (2017) https://doi.org/10.1016/j.jnt.2016.07.003	0.962 (2023)
27.	**Lascu D.** (2016) *Dependence with complete connections and the Gauss-Kuzmin theorem for N-continued fractions*, Journal of Mathematical Analysis and Applications 444, pp. 610–623	Kraaikamp C., Langeveld N. (2017), *Invariant measures for continued fraction algorithms with finitely many digits*, Journal of Mathematical Analysis and Applications 454(1), pp. 106-126 https://doi.org/10.1016/j.jmaa.2017.04.067	1.088 (2023)
28.		Peng Sun (2018), *A generalization of Gauss-Kuzmin-Lévy theorem*, Acta Mathematica Scientia 38 (3) pp. 965-972 https://doi.org/10.1016/S0252-9602(18)30796-3	0.610 (2023)
29.		Peng Sun (2021), *A generalization of the Gauss–Kuzmin–Wirsing constant*, Monatshefte fur Mathematika https://doi.org/10.1007/s00605-021-01622-9	0.923 (2023)
30.		Jinfeng Wang, Yuan Zhang, *Metric theory of partial quotients of N-continued fractions*, Fractals 30 (01) 2250022 (2022), https://doi.org/10.1142/S0218348X22500220	0.787 (2023)
31.	**Lascu D.** (2017) *Metric properties of N-continued fractions*, Mathematical Reports 19(69) 2, pp. 165-181	Peng Sun (2018), *A generalization of Gauss-Kuzmin-Lévy theorem*, Acta Mathematica Scientia 38 (3) pp. 965-972 https://doi.org/10.1016/S0252-9602(18)30796-3	0.610 (2023)
32.		Peng Sun (2021), *A generalization of the Gauss–Kuzmin–Wirsing constant*, Monatshefte fur Mathematika https://doi.org/10.1007/s00605-021-01622-9	0.923 (2023)
33.		Jinfeng Wang, Yuan Zhang, *Metric theory of partial quotients of N-continued fractions*, Fractals 30 (01) 2250022 (2022), https://doi.org/10.1142/S0218348X22500220	0.787 (2023)

34.	Sebe G. I., **Lascu D.** (2019), *On convergence rate in the Gauss-Kuzmin problem for θ-expansions*, Journal of Number Theory 195, pp. 51–71	Zhang, X., *A Two-Dimensional Gauss–Kuzmin Theorem Associated with the Random Fibonacci-Type Sequences*, Mediterranean Journal of Mathematics 17, 101 (2020). https://doi.org/10.1007/s00009-020-01534-2	0.754 (2023)
35.	Sebe G. I., **Lascu D.** (2020), *A two-dimensional Gauss-Kuzmin theorem for N-continued fraction expansions*, Publicationes Mathematicae Debrecen 96(3-4), pp. 291-314	Zhang, X., *A Two-Dimensional Gauss–Kuzmin Theorem Associated with the Random Fibonacci-Type Sequences*, Mediterranean Journal of Mathematics 17, 101 (2020). https://doi.org/10.1007/s00009-020-01534-2	0.754 (2023)
36.		Peng Sun (2021), *A generalization of the Gauss–Kuzmin–Wirsing constant*, Monatshefte fur Mathematika https://doi.org/10.1007/s00605-021-01622-9	0.923 (2023)
37.		Jinfeng Wang, Yuan Zhang, *Metric theory of partial quotients of N-continued fractions*, Fractals 30 (01) 2250022 (2022), https://doi.org/10.1142/S0218348X22500220	0.787 (2023)
38.	Sebe, G.I., **Lascu D.** (2020), *Convergence rate for Rényi-type continued fraction expansions*, Periodica Mathematica Hungarica 81(2) pp. 239-249	Boca, F.P., Siskaki, M., *On the Gauss-Kuzmin-Lévy problem for nearest integer continued fractions*, Monatshefte fur Mathematika (2024) https://doi.org/10.1007/s00605-024-01968-w	0.923 (2023)
39.	Sebe, G.I., **Lascu D.** (2022), *Some asymptotic results for the continued fraction expansions with odd partial quotients*, Turkish Journal of Mathematics 46 (7) pp. 3011-3024	Boca, F.P., Siskaki, M. On the Gauss-Kuzmin-Lévy problem for nearest integer continued fractions, Monatshefte fur Mathematika (2024) https://doi.org/10.1007/s00605-024-01968-w	0.923 (2023)
40.	Sebe, G. I.**, LASCU, D.**, SELMI, B. (2025) *The Hausdorff dimension of the sets of irrationals with prescribed relative growth rates*, Journal of Geometric Analysis **35**(1), 33, 15 pages	**Zheng, L., Wu, Z., Yuan, N.** in the paper *Extremely Exceptional Sets on Run-Length Function for Reals in Beta-Dynamical System*, Axioms (2025) *14*(8), 631, https://doi.org/10.3390/axioms14080631	0.600 (2024)
41.		**Serbenyuk, S.** in the paper Pathological functions on values of the Salem function, *J Anal* (2025). https://doi.org/10.1007/s41478-025-00960-3	0.503 (2025)
TOTAL		**C = 41**	

Fişa de calcul şi de verificare a îndeplinirii standardelor minimale specifice domeniului (in conformitate cu OM 6129 / 20.12.2016 – Anexa 1 – Comisia de Matematica) de către Prof. Univ. Dr. Vernic Raluca

Nr. crt.	Referinta bibliografica	Publicat in 2019– 2025	S_i	N_i	S_i/ N_i
1	**Vernic, R.** – *Multivariate Skew-Normal distributions with applications in insurance*. Insurance: Mathematics & Economics 38 (2), 413-426, 2006. https://doi.org/10.1016/j.insmatheco.2005.11.001	-	1.583	1	1.583
2	Tang, Q. and **Vernic, R.** – *The Impact on Ruin Probabilities of the Association Structure among Financial Risks*. Statistics & Probability Letters 77 (14), 1522-1525, 2007. https://doi.org/10.1016/j.spl.2007.03.042	-	0.695	2	0.3475
3	Bolance C., Guillen M., Pelican E., **Vernic R**. – *Skewed bivariate models and nonparametric estimation for the CTE risk measure*. Insurance: Mathematics & Economics 43 (3), 386-393, 2008. https://doi.org/10.1016/j.insmatheco.2008.07.005	-	1.583	4	0.3957
4	**Vernic, R**., Dhaene, J., Sundt, B.- *Inequalities for the De Pril approximation to the distribution of the number of policies with claims*. Scandinavian Actuarial Journal 4, 249–267, 2010. https://doi.org/10.1080/03461230903160470	-	1.511	3	0.5036
5	Asimit, A., Furman, E., **Vernic, R.** – *On a Multivariate Pareto Distribution*. Insurance: Mathematics and Economics 46, 308-316, 2010. https://doi.org/10.1016/j.insmatheco.2009.11.004	-	1.583	3	0.5276
6	**Vernic, R.** – *Tail Conditional Expectation for the Multivariate Pareto Distribution of the Second Kind: Another Approach*. Methodology and Computing in Applied Probability 13 (1), 121-137, 2011. https://doi.org/10.1007/s11009-009-9131-9	-	0.638	1	0.638
7	Asimit, A., Furman, E., Tang, Q., **Vernic, R.** – *Asymptotics for Risk Capital Allocations based on Conditional Tail Expectation*. Insurance: Mathematics and Economics 49 (3), 310-324, 2011. https://doi.org/10.1016/j.insmatheco.2011.05.002	-	1.583	4	0.3957
8	Pelican E. and **Vernic R.** – *Maximum-likelihood estimation for the multivariate Sarmanov distribution: simulation study*. International Journal of Computer Mathematics 90 (9), 1958-1970, 2013. https://doi.org/10.1080/00207160.2013.770148	-	0.768	2	0.384
9	Raducan, A.-M., **Vernic, R.**, Zbaganu, Gh. – *Recursive calculation of ruin probabilities at or before claim instants for non-identically distributed claims*. ASTIN Bulletin 45 (2), 421-443, 2015. https://doi.org/10.1017/asb.2014.30	-	1.478	3	0.4926
10	Raducan, A.-M., **Vernic, R.** and Zbaganu, Gh. – *On the ruin probability for nonhomogeneous claims and arbitrary inter-claim revenues*. Journal of Computational and Applied Mathematics 290, 319-333, 2015. https://doi.org/10.1016/j.cam.2015.05.021	-	1.266	3	0.422
11	Bahraoui, Z., Bolance C., Pelican E. and **Vernic R.** – *On the bivariate Sarmanov distribution and copula. An application on insurance data using truncated marginal distributions*. SORT 39 (2), 209-230, 2015. https://upcommons.upc.edu/handle/2117/88430	-	1.047	4	0.2617
12	**Vernic, R.** – *On the distribution of a sum of Sarmanov distributed random variables*. Journal of Theoretical Probability, 29 (1), 118-142, 2016. https://doi.org/10.1007/s10959-014-0571-y	-	0.939	1	0.939
13	Asimit, A., **Vernic, R.**, Zitikis, R. – *Background risk models and stepwise portfolio construction*. Methodology and Computing in Applied Probability 18 (3), 805-827, 2016. https://doi.org/10.1007/s11009-015-9458-3	-	0.638	3	0.2126
14	**Vernic, R.** – *Optimal investment with a constraint on ruin for a fuzzy discrete-time insurance risk model*. Fuzzy Optimization and Decision Making 15 (2), 195-217, 2016. https://doi.org/10.1007/s10700-015-9221-9	-	1.553	1	1.553

15	Robe-Voinea, E. and **Vernic, R**. – *On the recursive evaluation of a certain multivariate compound distribution*. Acta Mathematicae Applicatae Sinica (English Series) 32 (4), 913–920, 2016.	-	0.563	2	0.2815
16	**Vernic, R.** – *Capital allocation for Sarmanov's class of distributions*. Methodology and Computing in Applied Probability 19 (1), 311-330, 2017. https://doi.org/10.1007/s11009-016-9483-x	-	0.638	1	0.638
17	Raducan, A.-M., **Vernic, R**. and Zbaganu, Gh. – *On a conjecture related to the ruin probability for nonhomogeneous exponentially distributed claims*. Scandinavian Actuarial Journal vol. 2017 (5), 441-451, 2017. https://doi.org/10.1080/03461238.2016.1174731	-	1.511	3	0.5036
18	Ratovomirija, G., Tamraz, M. and **Vernic, R.** – *On some multivariate Sarmanov mixed Erlang reinsurance risks: aggregation and capital allocation*. Insurance Mathematics and Economics 74, 197-209, 2017. https://doi.org/10.1016/j.insmatheco.2017.03.009	-	1.583	3	0.5276
19	Robe-Voinea, E. and **Vernic, R.** – *Fast Fourier Transform for multivariate aggregate claims*. Computational and Applied Mathematics (COAM) 37 (1), 205-219, March 2018. https://doi.org/10.1007/s40314-016-0336-6	-	0.98	2	0.49
20	Tamraz, M. and **Vernic, R.** – *On the evaluation of multivariate compound distributions with continuous severity distributions and Sarmanov's counting distribution.* ASTIN Bulletin 48 (2), 2018, 841-870. https://doi.org/10.1017/asb.2017.46	-	1.478	2	0.739
21	**Vernic, R.** – *On risk measures and capital allocation for distributions depending on parameters with interval or fuzzy uncertainty*. Applied Soft Computing 64, 199-215, 2018. https://doi.org/10.1016/j.asoc.2017.12.003	-	2.071	1	2.071
22	**Vernic, R.** – *On the evaluation of some multivariate compound distributions with Sarmanov's counting distribution*. Insurance Mathematics and Economics 79, March 2018, pp. 184-193. https://doi.org/10.1016/j.insmatheco.2018.01.006	-	1.583	1	1.583
23	Denuit, M. and **Vernic, R.** – *Bivariate Bernoulli weighted sums and distribution of single-period tontine benefits*. Methodology and Computing in Applied Probability 20(4), pp. 1403–1416, December 2018. https://doi.org/10.1007/s11009-018-9625-4	-	0.638	2	0.319
24	**Vernic, R**. – *On the Evaluation of the Distribution of a General Multivariate Collective Model: Recursions versus Fast Fourier Transform*. Risks 6 (3), 87, 2018.	-	0.665	1	0.665
25	Bolance C. and **Vernic R**. – *Multivariate count data generalized linear models: Three approaches based on the Sarmanov distribution*. Insurance Mathematics and Economics, 85, 89-103, 2019. https://doi.org/10.1016/j.insmatheco.2019.01.001	X	1.583	2	0.7915
26	**Vernic, R.** – *On a class of bivariate mixed Sarmanov distributions*. Australian & New Zealand Journal of Statistics 62(2), 186-211, June 2020.	X	0.918	1	0.918
27	Bolance C. and **Vernic, R.** – *Frequency and severity dependence in the collective risk model: an approach based on Sarmanov distribution*. Mathematics 8(9), 1400, 2020. https://doi.org/10.3390/math8091400	X	0.86	2	0.43
28	Alemany, R.; Bolancé, C.; Rodrigo, R.; **Vernic, R.** - *Bivariate Mixed Poisson and Normal Generalised Linear Models with Sarmanov Dependence—An Application to Model Claim Frequency and Optimal Transformed Average Severity*. Mathematics 2021, 9(1), 73. https://doi.org/10.3390/math9010073	X	0.86	4	0.215
29	Ionescu, A.F. and **Vernic, R.** – *An Adapted Multi-Objective Symbiotic Organisms Search for Scheduling*. Soft Computing, 25(14), 9591-9607, 2021. https://doi.org/10.1007/s00500-021-05767-5	X	0.972	2	0.486
30	**Vernic, R**., Bolance, C. and Alemany, R.– *Sarmanov distribution for modeling dependence between the frequency and the average severity of insurance claims*. Insurance: Mathematics and Economics, 102, 111-125, 2022. https://doi.org/10.1016/j.insmatheco.2021.12.001	X	1.583	3	0.5276

31	Badea, A., Bolancé, C., and **Vernic, R**. (2022). *On the Bivariate Composite Gumbel–Pareto Distribution*. Stats, 5(4), 948-969. doi.org/10.3390/stats5040055	X	0.689	3	0.2296
32	**Vernic, R.** - *On a fuzzy discretization of continuous distributions with applications to risk models*. Computational and Applied Mathematics 42(1), 42:61, 2023. https://doi.org/10.1007/s40314-023-02190-4	X	0.98	1	0.98
33	Bâcă. A. and **Vernic, R.** (2024) - *Modeling data with extreme values using three-spliced distribution*s. Axioms 13, 473. doi.org/10.3390/axioms13070473	X	0.583	2	0.2915
34	Raducan, A.-M., **Vernic, R**. and Zbaganu, Gh. (2024) – *On a preference relation between random variables related to an investment problem*. Acta Mathematica Hungarica 173, 352–365. doi.org/10.1007/s10474-024-01456-5	X	1.13	3	0.3766
	Totaluri:				**S_{total} = 21.72 (≥5)**
					S_{recent}= 5.246 (≥2.5)

NOTĂ: În coloana „Publicat în 2019-2025" se bifează cu X articolele din A_recent (ultimii 7 ani); Coloana S_i se completează cu scorul relativ de influenta maxim al revistei în care a fost publicat articolul (maximul din ultimii 5 ani: 2024– 2020); coloana N_i se completeaza cu numarul de autori ai lucrarii.

Citari provenind din articole publicate in reviste stiintifice care au un SRI mai mare sau egal cu 0.5 (fara autocitari):

Nr. Crt	Articolul citat	Referinta bibliografica a publicatiei care citeaza	S_i
1	M.J. Goovaerts, R. Kaas, R. A. Laeven, Q. Tang, **R. Vernic** (2005) The tail probability of discounted sums of Pareto-like losses in insurance. Scandinavian Actuarial Journal 6, 446-461.	Albrecher, H., Asmussen, S., & Kortschak, D. (2006). Tail asymptotics for the sum of two heavy-tailed dependent risks. Extremes, 9(2), 107-130.	1.611
2		Wang, D., & Tang, Q. (2006). Tail probabilities of randomly weighted sums of random variables with dominated variation. Stochastic Models, 22(2), 253-272.	0.524
3		Hu, Z. C., Ma, Z. M., & Sun, W. (2006). Extensions of Lévy–Khintchine formula and Beurling–Deny formula in semi-Dirichlet forms setting. Journal of Functional Analysis, 239(1), 179-213.	3.735
4		Hu, Z. C., & Sun, W. (2006). A note on exponential stability of the nonlinear filter for denumerable Markov chains. Systems & control letters, 55(11), 955-960.	1.781
5		Sunklodas, J. (2007). On normal approximation of discounted and strongly mixing random variables. Lithuanian Mathematical Journal, 47(3), 327-335.	0.547
6		Yi Zhang, Xinmei Shen, Chengguo Weng (2009) - Approximation of the tail probability of randomly weighted sums and applications. Stochastic Processes and their Applications 119 (2), February 2009, 655–675.	1.578
7		Yiqing Chen and Kam C. Yuen (2009) - Sums of Pairwise Quasi-Asymptotically Independent Random Variables with Consistent Variation. Stochastic Models 25 (1), 76-89.	0.524
8		Xin-mei Shen, Zheng-yan Lin, Yi Zhang (2009) - Uniform Estimate for Maximum of Randomly Weighted Sums with Applications to Ruin Theory. Methodology and Computing in Applied Probability 11 (4), 669-685.	0.638
9		S. Foss, A. Richards (2010) - On Sums of Conditionally Independent Subexponential Random Variables. Mathematics of Operations Research MOR 35, 1, 102-119.	2.962
10		Q Tang, G Wang, KC Yuen (2010) - Uniform tail asymptotics for the stochastic present value of aggregate claims in the renewal risk model. Insurance: Mathematics and Economics 46 (2), April 362–370	1.583
11		Yiqing Chen (2011) - The Finite-time Ruin Probability with Dependent Insurance and Financial Risks. J. Appl. Probab. 48 (4), 1035-1048.	0.917
12		Yi, L., Chen, Y., & Su, C. (2011). Approximation of the tail probability of randomly weighted sums of dependent random variables with dominated variation. Journal of Mathematical Analysis and Applications, 376(1), 365-372.	1.472
13		Wang, K. (2011). Randomly weighted sums of dependent subexponential random variables. Lithuanian mathematical journal, 51(4), 573-586.	0.547
14		Chen, Y; Ng, KW; Yuen, KC (2011) - The maximum of randomly weighted sums with long tails in insurance and finance. Stochastic Analysis and Applications, 29 (6), 1033-1044.	0.99
15		M Olvera-Cravioto (2012) - Asymptotics for weighted random sums. Advances in Applied Probability 44 (4), 907-1200.	1.308
16		Yang Yang, Remigijus Leipus, Jonas Šiaulys (2012) - On the ruin probability in a dependent discrete time risk model with insurance and financial risks. Journal of Computational and Applied Mathematics 236 (13), 3286–3295.	1.266
17		Kume A. & Hashorva E. (2012) - Calculation of Bayes premium for conditional elliptical risks. Insurance: Mathematics and Economics 51, 632–635.	1.583
18		Anne-Laure Fougeres and Cecile Mercadier (2012) - Risk measures and multivariate extensions of Breiman's theorem. Journal of Applied Probability 49 (2), 303-599.	0.917
19		Yang Yang, Yuebao Wang (2013) - Tail behavior of the product of two dependent random variables with applications to risk theory. Extremes 16 (1), 55-74.	1.611
20		Hashorva E.(2013) - Exact tail asymptotics of aggregated parametrised risk. Journal of Mathematical Analysis and Applications 400 (1), 187–199.	1.472
21		Kortschak D. & Hashorva E. (2013). Efficient simulation of tail probabilities for sums of log-elliptical risks. Journal of Computational and Applied Mathematics 247, 53-67.	1.266
22		Yang Y. & Hashorva E. (2013). Extremes and products of multivariate AC-product risks. Insurance: Mathematics and Economics 52 (2), 312-319.	1.583
23		Chengguo Weng, Yi Zhang, Ken Seng Tan (2013) - Tail Behavior of Poisson Shot Noise Processes under Heavy-tailed Shocks and Actuarial Applications. Methodology and Computing in Applied Probability 15 (3), 655-682.	0.638
24		Coqueret, G. (2014). Second order risk aggregation with the Bernstein copula. Insurance: Mathematics and Economics, 58, 150-158.	1.583

25		Cheng, D. (2014) - Randomly weighted sums of dependent random variables with dominated variation. Journal of Mathematical Analysis and Applications, 420(2), 1617-1633.	1.472
26		Sun, Y., & Wei, L. (2014). The finite-time ruin probability with heavy-tailed and dependent insurance and financial risks. Insurance: Mathematics and Economics, 59, 178-183.	1.583
27		Woodcock, S., Manojlovic, B., Baird, M. E., & Ralph, P. J. (2015). A Poisson–Pareto model of chlorophyll-a fluorescence signals in marine environments. The ANZIAM Journal, 56(04), 373-380.	0.573
28		Yang, Y., & Konstantinides, D. G. (2015). Asymptotics for ruin probabilities in a discrete-time risk model with dependent financial and insurance risks. Scandinavian Actuarial Journal, 2015(8), 641-659.	1.511
29		Yang, X. (2015). Exact upper tail probabilities of random series. Statistics & Probability Letters, 99, 13-19.	0.695
30		Yang, H., Gao, W., & Li, J. (2016). Asymptotic ruin probabilities for a discrete-time risk model with dependent insurance and financial risks. Scandinavian Actuarial Journal, 2016(1), 1-17.	1.511
31		Furman, E., & Zitikis, R. (2017). Beyond the Pearson correlation: heavy-tailed risks, weighted Gini correlations, and a Gini-type weighted insurance pricing model. ASTIN Bulletin 47(3), 919-942.	1.478
32		Nadarajah, S., Zhaang, Y., & Poganj, T. (2018). On sums of independent generalized Pareto random variables with applications to insurance and CAT bonds. Probability in the engineering and informational sciences, 32(2), 296-305.	0.635
33		Xu, H., Cheng, F., Wang, Y., & Cheng, D. (2018). A necessary and sufficient condition for the subexponentiality of product distribution. Advances in Applied Probability 50(01):57-73.	1.308
34		Sarabia, J. M., Gómez-Déniz, E., Prieto, F., & Jordá, V. (2018). Aggregation of Dependent Risks in Mixtures of Exponential Distributions and Extensions. ASTIN Bulletin 48 (3), 1079-1107.	1.478
35		Yang, Y., Shi, X. X., & Huang, X. F. (2018). A note on the asymptotics for the randomly stopped weighted sums. Nonlinear Analysis: Modelling and Control, 23(2), 204-212.	1.036
36		Wang, K., Gao, M., Yang, Y., & Chen, Y. (2018). Asymptotics for the finite-time ruin probability in a discrete-time risk model with dependent insurance and financial risks. Lithuanian Mathematical Journal, 58(1), 113-125.	0.547
37		Ignatieva, K., & Landsman, Z. (2019). Conditional tail risk measures for the skewed generalised hyperbolic family. Insurance: Mathematics and Economics, 86, 98-114.	1.583
38		Kim, B., & Kim, J. (2019). Stochastic ordering of Gini indexes for multivariate elliptical risks. Insurance: Mathematics and Economics, 88, 151-158.	1.583
39		Kim, J. H., & Kim, S. Y. (2019). Tail risk measures and risk allocation for the class of multivariate normal mean–variance mixture distributions. Insurance: Mathematics and Economics, 86, 145-157.	1.583
40		Lin, J. (2019). Second order tail approximation for the maxima of randomly weighted sums with applications to ruin theory and numerical examples. Statistics & Probability Letters, 153, 37-47.	0.695
41		Dorea, C. Y., Ferreira, D. B., & Oliveira, M. A. (2020). Asymptotics for heavy-tailed renewal–reward processes and applications to risk processes and heavy traffic networks. Brazilian Journal of Probability and Statistics, 34(4), 858-867.	0.626
42		Su, X., Wang, X., & Yang, Y. (2021). Asymptotics for value at risk and conditional tail expectation of a portfolio loss. Applied Stochastic Models in Business and Industry, 37(2), 266-281.	0.888
43		Dirma, M., Paukštys, S., & Šiaulys, J. (2021). Tails of the Moments for Sums with Dominatedly Varying Random Summands. Mathematics, 9(8), 824.	0.86
44		Grassi, F., & Coluccia, A. (2022). On the sum of random samples with bounded Pareto distribution. Signal Processing, 192, 108389.	2.033
45		Richards, J., & Tawn, J. A. (2022). On the tail behaviour of aggregated random variables. Journal of Multivariate Analysis 192, 105065.	1.414
46		Shen, X., & Du, K. (2023). Uniform Approximation for the Tail Behavior of Bidimensional Randomly Weighted Sums. Methodology and Computing in Applied Probability, 25(1), 26.	0.638

47		Yang, Y., Chen, S., & Yuen, K. C. (2024). Asymptotics for the joint tail probability of bidimensional randomly weighted sums with applications to insurance. Science China Mathematics, 67(1), 163-186.	2.166
48		Yang, Y., Bian, T., & Chen, S. (2024). Tail behavior of discounted portfolio loss under upper tail comonotonicity. Journal of Industrial and Management Optimization, 20(3), 1296-1317.	1.086
49		Chen, Z., & Cheng, D. (2024). On the tail behavior for randomly weighted sums of dependent random variables with its applications to risk measures. Methodology and Computing in Applied Probability, 26(4), 1-27.	0.638
50	**Vernic, R.** (2006) Multivariate Skew-Normal distributions with applications in insurance. Insurance: Mathematics & Economics 38 (2), 413-426.	Furman, E., Landsman, Z. (2008). Economic capital allocations for non-negative portfolios of dependent risks. ASTIN Bulletin 38 (2), 601-619.	1.478
51		E Furman, R Zitikis (2008). Weighted risk capital allocations. Insurance: Mathematics and Economics 43 (2), 263–269.	1.583
52		D Li, L Peng (2009) Goodness-of-fit test for tail copulas modeled by elliptical copulas. Statistics and Probability Letters 79, 1097-1104.	0.695
53		Deelstra, G., Diallo, I., Vanmaele, M. (2010) Moment matching approximation of Asian basket option prices. Journal of Computational and Applied Mathematics 234 (4), 1006 – 1016.	1.266
54		Furman, E., Landsman, Z. (2010). Multivariate Tweedie distributions and some related capital-at-risk analyses. Insurance: Mathematics and Economics 46 (2), 351–361.	1.583
55		O. Roch, E.A. Valdez (2011). Lower convex order bound approximations for sums of log-skew normal random variables. Applied Stochastic Models in Business and Industry 27 (5), 487–502.	0.888
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NOTĂ. Coloana S_i se completează cu scorul relativ de influenta maxim al revistei în care a fost publicat articolul (maximul din ultimii 5 ani: 2024 – 2020).

Criteriu	Punctaj	Indeplinit/Neindeplinit
$S_{total} \geq 5$	21.72	DA
$S_{recent} \geq 2.5$	5.246	DA
C>=12	419	DA

Prof.univ.dr. Vernic Raluca

Fișa de calcul și de verificare a îndeplinirii standardelor minimale specifice domeniului (în conformitate cu OM nr. 6129/20.12.2016 – Comisia 1-Matematică)
de către Prof. univ. dr. Cosma (Barbu) Elena Luminița

Nr. crt.	Articol, referința bibliografică	Publicat în ultimii 7 ani	S_i	n_i	S_i / n_i
25.	L. Barbu, G. Moroșanu, I.V. Vîntu, Two-parameter second-order differential inclusions with antiperiodic conditions, Online ready. Commun. Contemp. Math. (2025) art.no. 2550038. https://doi.org/10.1142/S0219199725500385	Da	2.519 (2023)	3	**0,84**
24.	L. Barbu, G. Moroșanu, I.V. Vîntu, Second-order differential inclusions with two small parameters, Nonlinear Analysis: Real World Applications, 77 (2024) 104061. ISSN 1468-1218, https://doi.org/10.1016/j.nonrwa.2024.104061.	Da	1,537 (2023)	3	**0,512**
23.	L. Barbu, A. Burlacu, G. Moroșanu, On a nonlinear transmission eigenvalue problem with a Neumann-Robin boundary condition, Math. Method. Appl. Sci., July 2023. ISSN**:** 0170-4214, WOS:001039317300001 https://onlinelibrary.wiley.com/doi/full/10.1002/mma.9563	Da	0,923 (2023)	3	**0,307**
22.	L. Barbu, A. Burlacu, G. Moroșanu, An Eigenvalue Problem Involving the (p, q)-Laplacian With a Parametric Boundary Condition, Mediterr. J. Math. 20, 232 (2023). ISSN: 1660-5446 , WOS:001004316100001 https://doi.org/10.1007/s00009-023-02431-0 https://link.springer.com/article/10.1007/s00009-023-02431-0	Da	0,843 (2021)	3	**0,281**
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Totaluri	**S=**			**16,64**
	S_{recent}=			**6,94**

Notă: în coloanal ,,Publicat în ultimii 7 ani" se bifează cu Da articolele din A-recent (ultimii 7 ani, 2018 - 2024); Coloana S_i se completează cu scorul relativ de influență maxim al revistei în care a fost publicat articolul; coloana n_i se completează cu numărul de autori ai lucrării.

Citări provenind din articole publicate în reviste științifice care au un scor relative de influență (SRI) mai mare sau egal cu 0,5 (fără autocitări):

Articolul citat	Articol care citează	S_i
L. Barbu, G. Moroșanu, C. Pintea, A nonlinear elliptic eigenvalue–transmission problem with Neumann boundary condition, Ann. Mat. Pura Appl., 198(3)(2019), 821-836. ISSN: 0373-3114, WOS:000468996400009 https://doi.org/10.1007/s10231-018-0801-5	A. Benyaiche, K. Ismail, Dirichlet eigenvalue problems under Musielak-Orlicz growth, J. Korean Math. Soc., 59(6)(2022), 1139-1151. https://doi.org/10.4134/JKMS.j210669	**0,530**
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L. Barbu, G. Moroșanu, Elliptic-like regularization of semilinear evolution equations and applications to some hyperbolic problems, J. Math. Anal. Appl., 449(2) (2017), 966-978. ISSN: 0022-247X, WOS:000393729500002 https://doi.org/10.1016/j.jmaa.2016.12.055	A. E. Niculescu, A. Bobe, Weak solution of longitudinal waves in carbon nanotubes, Continuum Mech. Therm., 33(5)(2021), 2065-2073. DOI10.1007/s00161-021-01001-7	**1,572**
L. Barbu, A. E. Niculescu, An overdetermined problem for a class of anisotropic equations in a cylindrical domain, Math. Method. Appl. Sci., 43(9)(2020), 6117-6125. https://doi.org/10.1002/mma.6356	Anamaria N. Emin, Olivia A. Florea, Eduard Marius Craciun, Some uniqueness results for thermoelastic materials with double porosity structure, Continuum Mech. Thermodyn., 2020. https://doi.org/10.1007/s00161-020-00952-7	**1,202**
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Notă: Coloana S_i se completează cu scorul relativ de influență al revistei în care a fost publicat articolul care citează (luate din listele ISI Thomson disponipile în momentul depunerii dosarului, publicate în ultimii 5 ani). Aceste liste pot fi găsite pe site-ul UEFISCDI.

Criteriu	Punctaj	Indeplinit
$S \geq 5$	**16,64**	**DA**
$S_{recent} \geq 2,5$	**6,94**	**DA**
$C \geq 12$	**64**	**DA**

Data: 15/11/2025

Semnătura
Cosma Elena Luminița,