



ACADEMIA ROMÂNĂ

SCOSAAR

Anexa nr.3

AVIZAT,

Director SCOSAAR

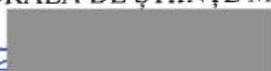
Acad. Maria Zaharescu



AVIZAT,

ȘCOALA DOCTORALĂ DE ȘTIINȚE MATEMATICE ȘI INFORMATICĂ

Director



Prof. Dr. Lucian Beznea

1. Îndeplinirea standardelor IOSUD superioare standardelor minimale naționale* ☒ DA ☐ NU

FIȘA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

FIȘA DE VERIFICARE

a îndeplinirii standardelor IOSUD

Candidat: DINU Rodica Andreea

Data: 12.08.2026

Semnătura:





FIȘĂ DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE

Candidat: DINU RODICA ANDREEA

i	Articol	≤ 7	s_i	n_i	s_i/n_i
1	Rodica Dinu , Francesco Navarra, <i>Non-simple polyominoes of König type and their canonical module</i> , Journal of Algebra, 673 , 351–384, 2025.	da	1.642	2	0.821
2	Rodica Dinu , Nayana Shibu-Deepthi, <i>On the (S2)-condition of edge rings for cactus graphs</i> , Communications in Algebra, 1–19, 2025.	da	1.010	2	0.505
3	Rodica Dinu , Martin Vodička, <i>Classification of normal phylogenetic varieties for tripods</i> , Journal of Combinatorial Algebra, 2024. DOI 10.4171/JCA/102	da	2.618	2	1.309
4	Rodica Dinu , Jürgen Herzog, Ayesha Asloob Qureshi, <i>Restricted classes of Veronese type ideals and algebras</i> , International Journal of Algebra and Computation, 31 (1), 173–191, 2021.	da	1.165	3	0.383
5	Rodica Dinu , Martin Vodička, <i>Phylogenetic degrees for claw trees</i> , Journal of Combinatorial Theory Series A, 206 , 105886, 2024.	da	3.007	2	1.5035
6	Rodica Dinu , Christopher Eur, Tim Seynnaeve, <i>K-theoretic Tutte polynomials of morphisms of matroids</i> , Journal of Combinatorial Theory Series A, 181 , 105414, 2021.	da	3.007	3	1.002
7	Rodica Dinu , Martin Vodička, <i>Gorenstein property for phylogenetic trivalent trees</i> , Journal of Algebra, 575 , 233–255, 2021.	da	1.642	2	0.821
8	Rodica Dinu , <i>Gorenstein t-spread Veronese algebras</i> , Osaka Journal of Mathematics, 57 (4), 935–947, 2020.	da	1.062	1	1.062



Rodica Dinu, Viviana Ene, Takayuki Hibi, *On the regularity of join-meet 9 ideals of modular lattices*, *Journal of Commutative Algebra*, **13** (4), da 0.947 3 0.3156 479–488, 2021.

Total: $S = S_{recent} = 7.72$

Listă de citări

i	Articol citat	Articol în care a fost citat	s_i
1	R. Dinu, C. Eur, T. Seynnaeve, K-theoretic Tutte polynomials of morphisms of matroids, <i>Journal of Combinatorial Theory, Series A</i> 181 (2021): 105414. ($s_i=3.007$)	A. Berget, C. Eur, H.Spink, D. Tseng, Tautological classes of matroids, <i>Inventiones mathematicae</i> 233.2 (2023): 951-1039.	11.266
2	R. Dinu, C. Eur, T. Seynnaeve, K-theoretic Tutte polynomials of morphisms of matroids, <i>Journal of Combinatorial Theory, Series A</i> 181 (2021): 105414. ($s_i=3.007$)	Jarra, Manoel, and Oliver Lorscheid, Flag matroids with coefficients, <i>Advances in Mathematics</i> 436 (2024): 109396.	4.441
3	R. Dinu, C. Eur, T. Seynnaeve, K-theoretic Tutte polynomials of morphisms of matroids, <i>Journal of Combinatorial Theory, Series A</i> 181 (2021): 105414. ($s_i=3.007$)	Ardila, Federico, and Mario Sanchez, Valuations and the Hopf monoid of generalized permutahedra, <i>International Mathematics Research Notices</i> 2023.5 (2023): 4149-4224.	3.007
4	R. Dinu, C. Eur, T. Seynnaeve, K-theoretic Tutte polynomials of morphisms of matroids, <i>Journal of Combinatorial Theory, Series A</i> 181 (2021): 105414. ($s_i=3.007$)	Eur, Christopher, Matt Larson, and Hunter Spink, K-classes of delta-matroids and equivariant localization, <i>Transactions of the American Mathematical Society</i> 378.01 (2025): 731-750.	3.585
5	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. ($s_i=1.062$)	Herzog, Jürgen, et al, Some homological properties of Borel type ideals, <i>Communications in Algebra</i> 51.4 (2023): 1517-1531.	1.010

6	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Ficarra, Antonino, Vector-spread monomial ideals and Eliahou–Kervaire type resolutions, <i>Journal of Algebra</i> 615 (2023): 170-204.	1.642
7	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Ene, Viviana, Jürgen Herzog, and Ayesha Asloob Qureshi, t-spread strongly stable monomial ideals, <i>Communications in Algebra</i> 47.12 (2019): 5303-5316.	1.010
8	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Amata, Luca, Marilena Crupi, and Antonino Ficarra, Projective dimension and Castelnuovo–Mumford regularity of t-spread ideals, <i>International Journal of Algebra and Computation</i> 32.04 (2022): 837-858.	1.165
9	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Amata, Luca, Antonino Ficarra, and Marilena Crupi, A numerical characterization of the extremal Betti numbers of t-spread strongly stable ideals, <i>Journal of Algebraic Combinatorics</i> 55.3 (2022): 891-918.	1.830
10	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Amata, Luca, Marilena Crupi, and Antonino Ficarra, Upper bounds for extremal Betti numbers of t-spread strongly stable ideals, <i>Bulletin mathématique de la Société des Sciences Mathématiques de Roumanie</i> 65.1 (2022): 13-34.	0.540
11	R. Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Lin, Kuei-Nuan, and Yi-Huang Shen, Blow-up algebras of secant varieties of rational normal scrolls, <i>Collectanea mathematica</i> 74.1 (2023): 247-278.	1.878
12	Rodica Dinu, Gorenstein t-spread Veronese algebras, <i>Osaka Journal of Mathematics</i> (2020): 935-947. (s_i=1.062)	Herzog, Jürgen, Raheleh Jafari, and Dumitru I. Stamate, Ulrich elements in normal simplicial affine semigroups, <i>Pacific Journal of Mathematics</i> 309.2 (2021): 353-380	1.702

13	R. Dinu, F. Navarra, Non-simple polyominoes of König type and their canonical module, <i>Journal of Algebra</i> 673 (2025): 351-384. (s_i=1.642)	Zheng, Lu, Jin Guo, and Tongsuo Wu, Nonsimple collections of cells whose inner 2-minors ideals are prime: II, <i>Journal of Algebraic Combinatorics</i> 63.1 (2026): 15.	1.830
14	R. Dinu, F. Navarra, Non-simple polyominoes of König type and their canonical module, <i>Journal of Algebra</i> 673 (2025): 351-384. (s_i=1.642)	Cisto, Carmelo, Rizwan Jahangir, and Francesco Navarra, On Cohen-Macaulay non-prime collections of cells, <i>Communications in Algebra</i> (2025): 1-26.	1.010
15	R. Dinu, F. Navarra, Non-simple polyominoes of König type and their canonical module, <i>Journal of Algebra</i> 673 (2025): 351-384. (s_i=1.642)	Zheng, Lu, Jin Guo, and Tongsuo Wu, Nonsimple collections of cells whose inner 2-minors ideals are prime: II, <i>Journal of Algebraic Combinatorics</i> 63.1 (2026): 15.	1.830
16	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Crupi, Marilena, and Antonino Ficarra, Very well-covered graphs via the Rees algebra, <i>Mediterranean Journal of Mathematics</i> 21.4 (2024): 135.	1.251
17	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Herzog, Jürgen, et al, Some homological properties of Borel type ideals, <i>Communications in Algebra</i> 51.4 (2023): 1517-1531.	1.010
18	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Ficarra, Antonino, Vector-spread monomial ideals and Eliahou–Kervaire type resolutions, <i>Journal of Algebra</i> 615 (2023): 170-204.	1.642
19	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Nasernejad, Mehrdad, et al., Classes of normally and nearly normally torsion-free monomial ideals, <i>Communications in Algebra</i> 50.9 (2022): 3715-3733.	1.010
20	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type	Amata, Luca, Marilena Crupi, and Antonino Ficarra, Projective dimension	1.165

	ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	and Castelnuovo–Mumford regularity of t-spread ideals, <i>International Journal of Algebra and Computation</i> 32.04 (2022): 837-858.	
21	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Musapaşaoğlu, Asli, Mehrdad Nasernejad, and Ayesha Asloob Qureshi, The edge ideals of t-spread d-partite hypergraphs, <i>Collectanea Mathematica</i> 75.3 (2024): 735-751.	1.878
22	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Crupi, Marilena, and Antonino Ficarra, A note on minimal resolutions of vector-spread Borel ideals, <i>An. St. Univ. Ovidius Constanta</i> 31.2 (2023): 71-84.	0.565
23	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Lin, Kuei-Nuan, and Yi-Huang Shen, Blow-up algebras of secant varieties of rational normal scrolls, <i>Collectanea mathematica</i> 74.1 (2023): 247-278.	1.878
24	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Amata, Luca, Computational methods for t-spread monomial ideals, <i>International Electronic Journal of Algebra</i> 35.35 (2024): 186-216.	0.514
25	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Costantini, Alessandra, and Alexandra Seceleanu, The combinatorial structure of symmetric strongly shifted ideals, <i>Journal of Combinatorial Algebra</i> (2025).	2.618
26	R. Dinu, J. Herzog, A. Asloob Qureshi, Restricted classes of Veronese type ideals and algebras, <i>International Journal of Algebra and Computation</i> 31.01 (2021): 173-197. (s_i=1.165)	Crupi, Marilena, Antonino Ficarra, and Ernesto Lax, Macaulay's theorem for vector-spread algebras, <i>International Journal of Algebra and Computation</i> 34.04 (2024): 571-590.	1.165

R. Dinu, V. Ene, T. Hibi, On the regularity of join-meet ideals of modular lattices, <i>Journal of Commutative Algebra</i> 13.4 (2021): 479-488. (s _i =0.947)	Shaukat, Bakhtawar, Ahtsham Ul Haq, and Muhammad Ishaq, Some algebraic invariants of the residue class rings of the edge ideals of perfect semiregular trees, <i>Communications in Algebra</i> 51.6 (2023): 2364-2383.	1.010
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Total: C= 27

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A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve, Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s _i =NA)	Berget, A., Eur, C., Spink, H., & Tseng, D. (2023). Tautological classes of matroids, <i>Inventiones mathematicae</i> , 233(2), 951-1039.	11.266
A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s _i =NA)	Eur, Christopher, June Huh, and Matt Larson, Stellahedral geometry of matroids, <i>Forum of Mathematics, Pi</i> . Vol. 11. Cambridge University Press, 2023.	10.362
A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022(s _i =NA)	Jarra, Manoel, and Oliver Lorscheid, Flag matroids with coefficients, <i>Advances in Mathematics</i> 436 (2024): 109396.	4.441
A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022(s _i =NA)	Eur, Christopher, and June Huh, Logarithmic concavity for morphisms of matroids, <i>Advances in Mathematics</i> 367 (2020): 107094.	4.441
A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022(s _i =NA)	Eur, Christopher, Matt Larson, and Hunter Spink, K-classes of delta-matroids and equivariant localization, <i>Transactions of the American Mathematical Society</i> 378.01 (2025): 731-750.	3.585

6	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s_i=NA)	Black, Alexander E., and Raman Sanyal, Underlying flag polymatroids, <i>Advances in Mathematics</i> 453 (2024): 109835.	4.441
7	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s_i=NA)	Lian, Carl, The HHMP decomposition of the permutohedron and degenerations of torus orbits in flag varieties, <i>International Mathematics Research Notices</i> 2024.20 (2024): 13380-13399.	3.007
8	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s_i=NA)	Kim, Eunjung, Arnaud de Mesmay, and Tillmann Miltzow, Representing Matroids over the Reals is $\exists \mathbb{R}$ -complete, <i>Discrete Mathematics & Theoretical Computer Science</i> 26. Discrete Algorithms (2024).	1.177
9	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s_i=NA)	Crowley, Colin, Noah Giansiracusa, and Joshua Mundinger, A module-theoretic approach to matroids, <i>Journal of Pure and Applied Algebra</i> 224.2 (2020): 894-916.	1.633
10	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022 (s_i=NA)	Reza-Rahmati, Mohammad, and Gerardo Flores, Graded Linearity of Stanley–Reisner Ring of Broken Circuit Complexes, <i>Journal of Mathematics</i> 2022.1 (2022): 1806967.	0.558
11	A. Cameron, R. Dinu, M. Michałek, T. Seynnaeve. Flag matroids: algebra and geometry. In <i>International Conference on Interactions with Lattice Polytopes</i> (pp. 73-114). Cham: Springer 2022(s_i=NA)	Kölbl, Max, Gorenstein graphic matroids from multigraphs, <i>Annals of Combinatorics</i> 24.2 (2020): 395-403.	1.530

12	R. Dinu, M. Michałek, T. Seynnaeve, Applications of intersection theory and gradients: From maximum likelihood to chromatic polynomials, Varieties, Polyhedra, Computation. EMS-Publishing, 2025. 95-141. (s_i=NA)	Bauer, M., Doležálek, M., Mišinová, M., Słobodianiuk, S., & Weigert, J. (2025), Equivariant Tutte polynomial, Discrete & Computational Geometry , 1-45.	1.631
13	R. Dinu, M. Michałek, T. Seynnaeve, Applications of intersection theory and gradients: From maximum likelihood to chromatic polynomials, Varieties, Polyhedra, Computation.EMS-Publishing, 2025. 95-141. (s_i=NA)	Conner, A., Han, K., Michałek, M. (2026). Sullivant-Talaska ideal of the cyclic Gaussian Graphical Model, Advances in Applied Mathematics , 179, 103096.	1.639

Standardele minimale:

S mai mare sau egal cu 5 și **S_recent** mai mare sau egal cu 2,5 și **C** mai mare sau egal cu 12.

Suplimentar, două din cele trei standarde trebuie depășite cu minimum 50% (**S** $\geq$ 7,5, **S_recent** $\geq$ 3,75, **C** $\geq$ 18).

Cu un total de **S**=**S_recent**=7, **72**>7,5 și **C**=27>18, condițiile sunt îndeplinite.