

Total criterii minimale

Bogdan Nicolae Ichim

	Punctaj CNATDCU	Valori prag CNATDCU
Perspectiva b - Productia stiintifica	113.33	56
... din care publicatii A*+A	76.00	24
... din care publicatii A*+A+B	101.33	40
Perspectiva c - Impactul rezultatelor	308.00	120
... din care citari in publicatii A*+A+B	308.00	40
Perspectiva d - Performanta academica	122.00	60
... din care proiect obtinut prin competitie: PN-II-RU-TE-2012-3-0161		

Nume forum	nr. autori	punctaj	observatii	detalii articol
Articole de tip A si A*				
Scientific Reports, 2023	2	8.00		W. Bruns and B. Ichim. Computations of volumes in five candidates elections. Scientific Reports 13 (2023), 13266.
Mathematical Programming Computation, 2021	2	12.00	A* (nr. 2 din 110 dupa AIS in categoria COMPUTER SCIENCE, SOFTWARE ENGINEERING conform JCR 2021)	W. Bruns and B. Ichim. Polytope volume by descent in the face lattice and applications in social choice. Mathematical Programming Computation 13 (2021), 415 - 442.
Mathematics of Computation, 2017	3	8.00		B. Ichim, L. Katthän and J. J. Moyano-Fernández. How to compute the Stanley depth of a module. Mathematics of Computation 86 (2017), 455 - 472.
Journal of Combinatorial Theory, Series A, 2017	3	8.00		B. Ichim, L. Katthän and J. J. Moyano-Fernández. Stanley depth and the lcm-lattice. Journal of Combinatorial Theory, Series A 150 (2017), 295 - 322.
Advances in Applied Mathematics, 2017	2	8.00		B. Ichim and J. J. Moyano-Fernandez. On the score sheets of a round-robin football tournament. Advances in Applied Mathematics 91 (2017), 24 - 43.
Journal of Symbolic Computation, 2016	3	8.00		W. Bruns, B. Ichim and C. Söger. The power of pyramid decompositions in Normaliz. Journal of Symbolic Computation 74 (2016), 513 - 536.
Journal of Combinatorial Theory, Series A, 2015	3	8.00		B. Ichim, L. Katthän and J. J. Moyano-Fernández. The behavior of Stanley depth under polarization. Journal of Combinatorial Theory, Series A 135 (2015), 332 - 347.
Experimental Mathematics, 2014	2	8.00		B. Ichim and A. Zarojanu. An algorithm for computing the multigraded Hilbert depth of a module. Experimental Mathematics 23 (2014), 322 - 331.
Nagoya Mathematical Journal, 2009	2	8.00	La premiere s-a folosit JIF conform JCR 2007 pt. articolele publicate in perioada 01.01.2009 - 15.10.2009	B. Ichim and T. Römer. On canonical modules of toric face rings. Nagoya Mathematical Journal 194 (2009), 69 - 90.
		76.00	= punctaj art .de tip A si A*	
Articole de tip B				
Annals of Operations Research, 2019	3	4.00		W. Bruns, B. Ichim and C. Söger. Computations of volumes and Ehrhart series in four candidates elections. Annals of Operations Research 280 (2019), 241 - 265.
Experimental Mathematics, 2016	3	4.00		B. Ichim, L. Katthän and J. J. Moyano-Fernández. Lcm-lattices and Stanley depth: a first computational approach. Experimental Mathematics 25 (2016), 46 - 53.
Mathematische Nachrichten, 2014	2	4.00		Ichim and J. J. Moyano-Fernández. How to compute the multigraded Hilbert depth of a module. Mathematische Nachrichten 287 (2014), 1274 - 1287.
Experimental Mathematics, 2011	5	1.33		W. Bruns, R. Hemmecke, B. Ichim, M. Köppe and C. Söger. Challenging computations of Hilbert bases of cones associated with algebraic statistics. Experimental Mathematics 20 (2011), 25 - 33.
Journal of Algebra, 2010	2	4.00	La premiere in 2011 s-a folosit AIS conform JCR 2009 pt. articolele publicate, dar nepremiate in 2010	W. Bruns and B. Ichim. Normaliz: Algorithms for Affine Monoids and Rational Cones. Journal of Algebra 324 (2010), 1098 - 1113.
Proceedings of the American Mathematical Society, 2007	2	4.00		W. Bruns and B. Ichim. On the coefficients of Hilbert quasipolynomials. Proceedings of the American Mathematical Society 135 (2007), 1305 - 1308.
Journal of Pure and Applied Algebra, 2007	2	4.00		B. Ichim and T. Römer. On toric face rings. Journal of Pure and Applied Algebra 210 (2007), 249 - 266.
		25.33	= punctaj art. de tip B	
Articole de tip C				
VEHITS 2023	2	2.00		S. Bomher and B. Ichim. On the adjacency matrix of spatio-temporal neural network architectures for predicting traffic. In VEHITS 2023, Proceedings of the 9th International Conference on Vehicle Technology and Intelligent Transport Systems (2023), 321 - 328.
VEHITS 2022	2	2.00		B. Ichim and F. Iordache. Predicting multiple traffic features using a spatio-temporal neural network architecture. In VEHITS 2022, Proceedings of the 8th International Conference on Vehicle Technology and Intelligent Transport Systems (2022), 331 - 337.
ICMS 2010	3	2.00	LNCS	W. Bruns, B. Ichim and C. Söger. Introduction to Normaliz 2.5. Lecture Notes in Computer Science 6327 (2010), 209 - 212.
Revue Roumaine de Mathématique Pures et Appliquées, 2007	2	2.00	SCOPUS	B. Ichim and U. Vetter. Length Formulas for the homology of generalized Koszul complexes. Revue Roumaine de Mathématique Pures et Appliquées 52 (2007), 177 - 199.

Communications in Algebra, 2006	2	2.00		B. Ichim and U. Vetter. Koszul Bicomplexes and generalized Koszul complexes in projective dimension one. Communications in Algebra 34 (2006), 4131 - 4156.
Analele Științifice ale Universității Ovidius Constanța, Seria Matematică, 2006	2	2.00		B. Ichim and U. Vetter. Generalized Koszul complexes. Analele Științifice ale Universității Ovidius Constanța, Seria Matematică 14 (2006), 61 - 72.
		12.00	= punctaj art. de tip C	

Total A+B+C = 113.33

Criteria minimal Abilitare: 56 de puncte din care 24 din cat. A*sau A si 40 din cat. A*, A sau B

Nume forum citare	lucrare citata	nr. autori	punctaj	observatii	detalii citare
Citari de tip A si A*					
Journal of Statistical Software, 2020	Journal of Symbolic Computation, 2016	3	12.00	A*	D. Kahle, C. O'Neill and J. Sommars. A Computer Algebra System for R: Macaulay2 and the m2r Package. Journal of Statistical Software 93 (2020), 1 - 31.
Mathematical Programming Computation, 2018	Journal of Symbolic Computation, 2016	3	12.00	A*	D. Avis and C. Jordan. mpls: A scalable parallel vertex/facet enumeration code. Mathematical Programming Computation 10 (2018), 267 - 302
Computer Physics Communications, 2018	Journal of Symbolic Computation, 2016	3	12.00	A*	S. Borowka, G. Heinrich, S. Jahn, S.P. Jones, M. Kerner, J. Schlenk and T. Zirke. pySecDec: A toolbox for the numerical evaluation of multi-scale integrals. Computer Physics Communications 222 (2018), 313 - 326.
Mathematical Programming Computation, 2017	Journal of Symbolic Computation, 2016	3	12.00	A*	M. Köppe and Y. Zhou. New computer-based search strategies for extreme functions of the Gomory–Johnson infinite group problem. Mathematical Programming Computation 9 (2017), 419 - 469.
Mathematical Programming Computation, 2017	Journal of Symbolic Computation, 2016	3	12.00	A*	B. Assarf, E. Gawrilow, K. Herr and M. Joswig. Computing convex hulls and counting integer points with polymake. Mathematical Programming Computation 9 (2017), 1 - 38.
Computer Physics Communications, 2015	Journal of Symbolic Computation, 2016	3	12.00	A*	S. Borowka, G. Heinrich, S. Jones, M. Kerner, J. Schlenk and T. Zirke. SecDec-3.0: Numerical evaluation of multi-scale integrals beyond one loop. Computer Physics Communications 196 (2015), 470 - 491.
Journal of Machine Learning Research, 2010	Experimental Mathematics, 2011	5	4.00	A*	R. Bouckaert, R. Hemmecke, S. Lindner and M. Studeny. Efficient Algorithms for Conditional Independence Inference. Journal of Machine Learning Research 11 (2010), 3453 - 3479.
Memoirs of the American Mathematical Society, 2021	Journal of Algebra, 2010	2	12.00	A*	C. Haase, A. Paffenholz, L. Piechnik and F. Santos. Existence of unimodular triangulations - positive results. Memoirs of the American Mathematical Society 270 (2021), 1321.
Foundations of Computational Mathematics, 2017	Journal of Algebra, 2010	2	12.00	A*	M. Olive. About Gordan's Algorithm for Binary Forms. Foundations of Computational Mathematics 17 (2017), 1407 - 1466.
Archive for Rational Mechanics and Analysis, 2017	Journal of Algebra, 2010	2	12.00	A*	M. Olive, B. Kolev and N. Auffray. A Minimal Integrity Basis for the Elasticity Tensor. Archive for Rational Mechanics and Analysis 226 (2017), 1 - 31.
Research in the Mathematical Sciences, 2022	Mathematical Programming Computation, 2021	2	8.00		W. Bruns. Automorphism groups and normal forms in Normaliz. Research in the Mathematical Sciences 9 (2022), 20.
Annales Henri Poincare, 2023	Journal of Symbolic Computation, 2016	3	8.00		F. Castillo, J. Labbé, J. Liebert, A. Padrol, E. Philippe and C. Schilling. An Effective Solution to Convex 1-Body N-Representability. Annales Henri Poincare 24 (2023), 2241 - 2321.
Journal of Symbolic Computation, 2015	Journal of Symbolic Computation, 2016	3	8.00		W. Bruns and C. Soeger. The computation of generalized Ehrhart series in Normaliz. Journal of Symbolic Computation 68 (2015), 75 - 86.
Discrete & Computational Geometry, 2015	Journal of Symbolic Computation, 2016	3	8.00		K. Herr, T. Rehn and A. Schurmann. On Lattice-Free Orbit Polytopes. Discrete & Computational Geometry 53 (2015), 144 - 172.
Nuclear Physics B, 2015	Journal of Symbolic Computation, 2016	3	8.00		R. Kappl, H. Nilles and M. Schmitz. R symmetries and a heterotic MSSM. Nuclear Physics B 891 (2015), 482 - 498.
Advances in Mathematics, 2016	Experimental Mathematics, 2014	2	8.00		A. Duval, B. Goekner, C. Klivans and J. Martin. A non-partitionable Cohen-Macaulay simplicial complex. Advances in Mathematics 299 (2016), 381 - 395.
Journal of Symbolic Computation, 2015	Experimental Mathematics, 2014	2	8.00		A. Popescu. An algorithm to compute the Hilbert depth. Journal of Symbolic Computation 66 (2015), 1 - 7.
International Journal of Engineering Science, 2023	Journal of Algebra, 2010	2	8.00		B. Desmorat, M. Olive, N. Auffray, R. Desmorat and B. Kolev. Computation of minimal covariants bases for 2D coupled constitutive laws. International Journal of Engineering Science 191 (2023), 103880.
Physics Letters B, 2022	Journal of Algebra, 2010	2	8.00		D. Gangadharan. Numerical calculation of 3-pion Coulomb scattering using scalar QED. Physics Letters B 832 (2022), 137280.
Automatica, 2022	Journal of Algebra, 2010	2	8.00		M. Ziyue, H. Zhou, L. Zhiwu and G. Alessandro. Design of supervisors for linear marking specifications in labeled Petri nets. Automatica 136 (2022), 110031.
ACM Transactions on Mathematical Software, 2012	Journal of Algebra, 2010	2	8.00		B. Burton and M. Ozlen. Computing the Crosscap Number of a Knot Using Integer Programming and Normal Surfaces. ACM Transactions on Mathematical Software 39 (2012), ar. 4.
Journal of Algebraic Combinatorics, 2017	Journal of Algebra, 2010	2	8.00		M. Thiel and N. Williams. Strange expectations and simultaneous cores. Journal of Algebraic Combinatorics 46 (2017), 219 - 261.
Nuclear Physics B, 2015	Journal of Algebra, 2010	2	8.00		R. Kappl, H. Nilles and M. Schmitz. R symmetries and a heterotic MSSM. Nuclear Physics B 891 (2015), 482 - 498.

Journal of High Energy Physics, 2011	Journal of Algebra, 2010	2	8.00	R. Kappl, M. Ratz and C. Staudt. The Hilbert basis method for D-flat directions and the superpotential. Journal of High Energy Physics (2011), ar. 27.
International Mathematics Research Notices, 2018	Journal of Pure and Applied Algebra, 2007	2	8.00	J. Montaner, A. Boix and S. Zarzuela. On Some Local Cohomology Spectral Sequences. International Mathematics Research Notices (2018), available online.
Algebra & Number Theory, 2013	Journal of Pure and Applied Algebra, 2007	2	8.00	S. Casalaina, J. Kass and F. Viviani. The geometry and combinatorics of cographic toric face rings. Algebra & Number Theory 7 (2013), 1781 - 1815.
Mathematische Zeitschrift, 2018	Proceedings of the American Mathematical Society, 2007	2	8.00	C. Caviglia, M. Chardin, J. McCullough, I. Peeva and M. Varbaro. Regularity of prime ideals. Mathematische Zeitschrift (2018), available online.
Mathematical Research Letters, 2013	Proceedings of the American Mathematical Society, 2007	2	8.00	J. Jeffries, J. Montano. The j-multiplicity of monomial ideals. Mathematical Research Letters 20 (2013), 729 - 744.
			256.00	= punctaj citari de tip A
Citari de tip B				
Experimental Mathematics, 2017	Journal of Symbolic Computation, 2016	3	4.00	A. Bachle, A. Herman, A. Kononov, L. Margolis and G. Singh. The Status of the Zassenhaus Conjecture for Small Groups. Experimental Mathematics 27 (2018), 431-436.
Annals of Combinatorics, 2017	Journal of Symbolic Computation, 2016	3	4.00	F. Breuer and Z. Zafeirakopoulos. Polyhedral Omega: a New Algorithm for Solving Linear Diophantine Systems. Annals of Combinatorics 21 (2017), 211 - 280.
Journal of Algebraic Combinatorics, 2015	Experimental Mathematics, 2014	2	4.00	L. Katthan. Stanley depth and simplicial spanning trees. Journal of Algebraic Combinatorics 42 (2015), 507 - 536.
European Journal of Combinatorics, 2018	Experimental Mathematics, 2011	5	1.33	T. Romer and S. Madani. Retracts and algebraic properties of cut algebras. European Journal of Combinatorics 69 (2018), 214 - 236.
Experimental Mathematics, 2017	Experimental Mathematics, 2011	5	1.33	D. Bernstein and S. Sullivant. Normal Binary Hierarchical Models. Experimental Mathematics 26 (2017), 153 - 164.
Journal of Symbolic Computation, 2012	Experimental Mathematics, 2011	5	1.33	G. Boffi and A. Logar. Computing Grobner bases of pure binomial ideals via submodules of Z_n . Journal of Symbolic Computation 47 (2012), 1297 - 1308.
Journal of Mathematical Physics, 2018	Journal of Algebra, 2010	2	4.00	L. Seveso, D. Goyeneche and K. Życzkowski. Coarse-grained entanglement classification through orthogonal arrays. Journal of Mathematical Physics 59 (2018), 072203.
Revista Matematica Complutense, 2015	Journal of Algebra, 2010	2	4.00	L. Van Langenhoven and W. Veys. Semigroup and Poincare series for a finite set of divisorial valuations. Revista Matematica Complutense 28 (2015), 191 - 225.
Journal of Symbolic Computation, 2013	Journal of Algebra, 2010	2	4.00	N. Ilten and L. Kastner. Calculating generators of multigraded algebras. Journal of Symbolic Computation 51 (2013), 22 - 33.
Journal of Algebra, 2015	Journal of Pure and Applied Algebra, 2007	2	4.00	K. Yanagawa. Dualizing complexes of seminormal affine semigroup rings and toric face rings. Journal of Algebra 425 (2015), 367 - 391.
Journal of Pure and Applied Algebra, 2014	Journal of Pure and Applied Algebra, 2007	2	4.00	N. Epstein and H. Nguyen. Algebra retracts and Stanley-Reisner rings. Journal of Pure and Applied Algebra 218 (2014), 1665 - 1682.
Journal of Algebra, 2012	Journal of Pure and Applied Algebra, 2007	2	4.00	H. Nguyen. Seminormality and local cohomology of toric face rings. Journal of Algebra 371 (2012), 536 - 553.
Nagoya Mathematical Journal, 2009	Journal of Pure and Applied Algebra, 2007	2	4.00	R. Okazaki and K. Yanagawa. Dualizing complex of a toric face ring. Nagoya Mathematical Journal 196 (2009), 87 - 116.
Michigan Mathematical Journal, 2009	Journal of Pure and Applied Algebra, 2007	2	4.00	W. Bruns, R. Koch and T. Romer. Grobner bases and Betti numbers of monoidal complexes. Michigan Mathematical Journal 57 (2009), 71 - 91.
Mathematical Proceedings Of The Cambridge Philosophical Society, 2008	Proceedings of the American Mathematical Society, 2007	2	4.00	J. Herzog, T. Puthenpurakal, J. Verma. Hilbert polynomials and powers of ideals. Mathematical Proceedings Of The Cambridge Philosophical Society 145 (2008), 623 - 642.
			52.00	= punctaj citari de tip B
			308.00	Total A+B+C+D

Criteria minimal Abilitare: 120 de puncte din care 40 din cat. A*, A sau B

Performanta academica	Detalii	Punctaj
Director/membru in granturi de cercetare	Researcher Mobility Grant (CNCS - UEFISCDI) PN-III-P1-1.1-MC-2019-0297 - val. < 50.000 euro; director	2.00
	Researcher Mobility Grant (CNCS - UEFISCDI) PN-III-P1-1.1-MC-2018-0339 - val. < 50.000 euro; director	2.00
	Researcher Mobility Grant (CNCS - UEFISCDI) PN-III-P1-1.1-MC-2017-0194 - val. < 50.000 euro; director	2.00
	Young Research Team Grant (CNCS - UEFISCDI) PN-II-RU-TE-2012-3-0161 - val. 100.000-199.000 euro; director, echipa de 4 membri	6.00
	Career Integration Grant (UEFISCSU) PN-II-RU-RP-2008-12-01 - val. 100.000-199.000 euro; director	6.00
	Grant for Attracting Highly Specialised Human Resources (MCID) PNRR-III-C9-2022-I8-284 - val. > 500.000 euro; membru	5.00
	Exploratory Research Grant (CNCS - UEFISCDI) PN-III-P4-ID-PCE-2020-0878 - val. 200.000-499.000 euro; membru	4.00
	Economic Transfer Grant (CNCS - UEFISCDI) PN-III-P2-2.1-PTE-2019-0817 - val. 200.000-499.000 euro; membru	4.00
	Exploratory Research Grant (CNCS - UEFISCDI) PN-III-P4-ID-PCE-2016-0157 - val. 100.000-199.000 euro; membru	3.00
	Experimental Demonstrative Grant (CNCS - UEFISCDI) PN-III-P2-2.1-PED-2016-0436 - val. 100.000-199.000 euro; membru	3.00
	Ideas Grant (CNCS - UEFISCDI) PN-II-ID-PCE-2011-3-1023 - val. 200.000-499.000 euro; membru	4.00
	Young Research Team Grant (UEFISCSU) PN-II-RU-TE-2010-2-46 - val. 100.000-199.000 euro; membru	3.00
	Deutsche Forschungsgemeinschaft (DFG) Grant Ref. BR688/17-1 - val. 100.000-199.000 euro; membru	3.00
	Deutsche Forschungsgemeinschaft (DFG) Grant Ref. BR688/16-1 - val. 50.000-99.000 euro; membru	2.00
Organizare evenimente stiintifice/scoli de vara	Membru in comitetul de organizare al scolii de vara National School on Algebra 2010, 2011, 2012.	3.00
Invited speaker la evenimente/universitati de top	Invited speaker la universitati din top 200: prezentare la Goethe Universitat Frankfurt am Main invitat de Dr. L. Katthän (Frankfurt, 2016)	4.00
	Invited speaker la universitati din top 500: prezentare la TU Berlin invitat de Prof. Dr. M. Joswig (Berlin, 2008), prezentare la Univ. of Duisburg-Essen invitat de Prof. Dr. J. Herzog (Essen, 2006), prezentare la Univ. of Genova invitat de Prof. Dr. A. Conca (Genova, 2006)	6.00
	Invited speaker la universitati din top 1000/evenimente locale: prezentari multiple la Univ. Jaume I invitat de Dr. J. Moyano (Castellon, 2014, 2015), prezentare la Univ. of Valladolid invitat de Dr. J. Moyano (Valladolid, 2013), prezentare la Univ. Rostock invitat de Prof. Dr. A. Schurmann (Rostock, 2012), prezentare la Univ. Bucuresti invitat de Prof. Dr. D. Popescu (Bucuresti, 2008), prezentari multiple la Univ. of Osnabrück invitat de Prof. Dr. W. Bruns (Osnabrück, 2004, 2012, 2013, 2016, 2017, 2018, 2019)	12.00
Reseacher asociat la universitate de top (100/200/500/1000)	Am fost cercetator asociat la Univ. Osnabrück (top 1000) timp de 50 de luni. Pentru acest aspect am considerat maximul de 24 de puncte care poate fi acordat.	24.00
Dezvoltarea de pachete si instrumente software	Normaliz versiunile 2.0 - 2.12 (https://www.normaliz.uni-osnabrueck.de/ , https://swmath.org/software/630) impreuna cu W. Bruns, B. si C. Söger. jNormaliz versiunile 1.0 - 1.7 (https://www.normaliz.uni-osnabrueck.de/) impreuna cu V. Almendra. Hdepth (https://dl.dropboxusercontent.com/s/urhrasy5ntgbwzf/Hdepth.htm , https://swmath.org/software/12186) impreuna cu A. Zarojanu. Pentru acest aspect am considerat maximul de 10% din punctajul total de puncte care poate fi	12.00
Premii si alte merite	Premiul pentru cel mai bun articol dupa clasificarea AIS publicat de membrii facultatii in anul 2021 (acordat in anul 2022). Premiul Gheorge Lazar al Academiei Romane pentru anul 2016 (acordat in anul 2018). Pentru acest aspect am considerat maximul de 10% din punctajul total de puncte care poate fi acordat.	12.00

Total= 122.00

Criteriu minimal Abilitare: 60 de puncte si minim un proiect cu echipa de cel putin 2 membri obtinut de candidat prin competitie la nivel national sau international (a se vedea PN-II-RU-TE-2012-3-0161)