

Fișă de verificare

a îndeplinirii standardelor minimale specifice postului de cercetător științific grad I.

Candidat: Némethi András

I. Standarde minimale naționale specifice

Indicator	Standarde minimale (conform OMENCS 6129/2016, Comisia Matematică)	Punctaj realizat
S	≥ 5	167,929
S_recent	≥ 2.5	41,478
C	≥ 12	≥ 500

a) Articole publicate în reviste cu maximul factorilor SRI (din ultimele cinci liste JCR disponibile) mai mare sau egal cu 0.5

Nr.	Referința bibliografică	Publicat în ultimii 7 ani?	s_i	n_i	s_i/n_i	Anul s_i
1	On the fundamental group of the complement of certain plane curves, Math. Proc. Cambridge Phil. Soc., Vol. 102, 3, 1987.		1,508	1	1,508	2020
2	Shape theory and (connective) K-theory, (joint paper with M. Dadarlat), J. Operator		1,081	2	0,541	2020
3	On the bifurcation set of a polynomial function and Newton boundary, (joint paper with A. Zaharia), Publ. RIMS. Kyoto Univ., 26, 681-689, 1990.		1,663	2	0,832	2019
4	The Milnor fiber and the zeta function of the singularities of type $f = P(h; g)$, Compositio Math., 79, 63-97, 1991.		3,713	1	3,713	2019
5	Global Sebastiani-Thom theorem for polynomial maps, J. Math. Soc. Japan, Vol. 43, No 2, 213-218, 1991.		1,449	1	1,449	2020
6	Generalized local and global Sebastiani-Thom type theorems, Compositio Mathematica, 80, 1-14, 1991.		3,713	1	3,713	2019
7	Reduction of the Topological Stable Rank in Inductive Limits of C - algebras, (joint paper with M. Dadarlat, G. Nagy, and C. Pasnicu) Pacific Journal of Math., Vol. 153, No. 2, 267-276, 1992.		1,335	4	0,334	2017
8	Milnor fibration at infinity, (joint paper with A. Zaharia), Indag. Mathem., N.S. 3 (3), 323-335, 1992.		0,995	2	0,498	2017

9	The zeta function of singularities, Journal of Algebraic Geometry, 2, 1-23, 1993.		4,466	1	4,466	2019
10	Algebraic torsion, zeta function and Dirichlet series for graph links in homology 3-spheres, Ergodic Theory and Dynamical Systems, 13, 131-142, 1993.		1,946	1	1,946	2018
11	Injective analytic maps, Duke Math. Journal., Vol. 69, No. 2, 335-347, February 1993.		6,920	1	6,920	2018
12	The real Seifert form and the spectral pairs of isolated hypersurface singularities, Compositio Mathematica, 98, 1995, 23-41.		3,713	1	3,713	2019
13	The equivariant signature of hypersurface singularities and eta-invariant, Topology Vol.34, No. 2, 243-259, 1995.		4,319	1	4,319	2019
14	Spectral pairs, mixed Hodge modules and series of plane curve singularities, (joint paper with J. Steenbrink), New York Journal of Mathematics, August 16, 1995.		1,097	2	0,549	2018
15	Extending Hodge bundles for Abelian Variations, (joint paper with J. Steenbrink), Annals of Mathematics, 143, 131-148, 1996.		12,061	2	6,031	2019
16	On the monodromy at infinity of a polynomial map, (joint paper with R. Garcia Lopez), Compositio Mathematica, 100, 205-231, 1996.		3,713	2	1,857	2019
17	On the monodromy of curve singularities, (joint paper with J. Steenbrink), Math. Zeitschrift, 223, 587-593, 1996.		1,870	2	0,935	2017
18	Generalized Weil's Reciprocity Law and Multiplicativity Theorems, Trans. Amer. Math. Soc., 349, 2687-2697 (1997).		2,756	1	2,756	2016
19	On the Birkhoff normal form of a completely integrable Hamiltonian system near a fixed point with resonance (joint paper with T. Kappeler and Y. Kodama), Ann. Scuola Norm. Sup. Pisa Cl. Sci., (4) 26, no. 4, 623-661 (1998).		2,205	3	0,735	2016
20	Dedekind sums and the signature of $f(x; y) + zN$, Selecta Mathematica, New series, 4, 361-376 (1998).		3,053	1	3,053	2017
21	On the Seifert form at infinity associated with polynomial maps, Journal of the Math. Soc. of Japan, 51, no.1, 63-70 (1999).		1,449	1	1,449	2020
22	On the monodromy at infinity of a polynomial map, II. (joint paper with R. Garcia Lopez), Compositio Math., 115, 1-20, 1999.		3,713	2	1,857	2019
23	"Weakly" Elliptic Gorenstein singularities of surfaces, Inventiones math., 137, 145-167 (1999).		8,664	1	8,664	2018
24	Dedekind sums and the signature of $f(x; y) + zN$, II., Selecta Mathematica, New series, 5, 161-179 (1999).		3,053	1	3,053	2017
25	Semicontinuity of the spectrum at infinity, (joint paper with C. Sabbah), Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg, 69, 25-35 (1999).		1,012	2	0,506	2017
26	Hodge numbers attached to a polynomial map, (joint paper with R. Garcia Lopez), Ann. Inst. Fourier, Grenoble, 49, 5, 1547-1579 (1999).		2,038	2	1,019	2018
27	Hypersurface singularities with 2-dimensional critical locus, Journal of the London Math. Soc., Second Series, No 189, Vol 59, 922-938 (1999).		2,430	1	2,430	2018
28	On the monodromy of complex polynomials, (joint paper with A. Dimca), Duke Math. Journal, 108 Number 2, 2001, 199-209.		6,920	2	3,460	2018
29	On the Milnor number of a quasi-ordinary surface singularity, (joint paper with Chunsheng Ban and Lee McEwan), Canadian J. of Math., 54, 2002, 55-70.		1,803	3	0,601	2019

30	On the weight filtration of the homology of algebraic varieties: the generalized Leray cycles, (joint paper with Fouad Elzein), Annali della Scuola Norm. Sup. di Pisa, vol. 1 (2002), 869-903.	2,205	2	1,103	2016
31	Seiberg-Witten invariants and surface singularities, (joint paper with L. I. Nicolaescu), Geometry and Topology, Volume 6 (2002), 269-328.	4,148	2	2,074	2018
32	The zeta-function of a quasi-ordinary singularity, (joint paper with Lee McEwan), Compositio Math. 140 (2004), 667-682.	3,713	2	1,857	2019
33	Seiberg-Witten invariants and surface singularities II (singularities with good C -action), (joint paper with L. I. Nicolaescu), Journal of London Math. Soc. (2) 69, 2004, 593-607.	2,430	2	1,215	2018
34	Seiberg-Witten invariants and surface singularities: Splittings and cyclic covers, (joint paper with L. I. Nicolaescu), Selecta Mathematica, New series, Vol. 11, Nr. 3-4 (2005), 399-451	3,053	2	1,527	2017
35	The link of $ff(x; y) + zn = 0$ g and Zariski's Conjecture, (joint paper with R. Mendris), Compositio Math. 141(2) (2005), 502-524.	3,713	2	1,857	2019
36	Degeneracy of two and three forms, (joint paper with L.M. Feher and R. Rimanyi), Canadian Math. Bulletin, 48(4) (2005), 547-560.	0,807	3	0,269	2019
37	Links and analytic invariants of superisolated singularities, (joint paper with I. Luengo and A. Melle-Hernandez), Journal of Algebraic Geometry, 14 (2005), 543-565.	4,466	3	1,489	2019
38	The order of contact of a holomorphic ideal in C^2 , (joint paper with J.D. McNeal), Math. Zeitschrift 250(4) (2005), 873-883.	1,870	2	0,935	2017
39	On the Ozsvath-Szabó invariant of negative definite plumbed 3-manifolds, Geometry and Topology 9 (2005), 991-1042.	4,148	1	4,148	2018
40	On rational cuspidal projective plane curves, (joint paper with J. F. de Bobadilla, I. Luengo and A. Melle-Hernandez), Proc. of London Math. Soc. 92 (3), (2006), 99-138.	3,154	4	0,789	2018
41	Coincident root loci of binary forms, (joint paper with L.M. Feher and R. Rimanyi), Michigan Math. J. 54(2), (2006), 375-392.	1,647	3	0,549	2016
42	Milnor open books and Milnor fillable contact 3-manifolds, (joint paper with C. Caubel and P. Popescu-Pampu), Topology, 45(3), (2006), 673-689.	4,319	3	1,440	2019
43	Invariants of Newton non-degenerate surface singularities, (joint paper with G. Braun), Compos. Math. 143 (2007), no. 4, 1003-1036.	3,713	2	1,857	2019
44	Lattice cohomology of normal surface singularities, Publ. RIMS. Kyoto Univ., 44 (2008), 507-543.	1,663	1	1,663	2019
45	The degree of the discriminant of irreducible representations, (joint paper with L.M. Feher and R. Rimanyi), Journal of Algebraic Geometry, 17 (2008), 751-780.	4,466	3	1,489	2019
46	The Seiberg-Witten invariant conjecture for splice-quotients, (joint paper with T. Okuma), Journal of the London Math. Soc. 28 (2008), 143-154.	2,430	2	1,215	2018
47	On the Casson Invariant Conjecture of Neumann-Wahl (joint paper with T. Okuma), Journal of Algebraic Geometry, 18 (2009), 135-149.	4,466	2	2,233	2019
48	Surgery formula for the Seiberg-Witten invariants of negative definite plumbed 3-manifolds, (joint paper with G. Braun), J. reine angew. Math., 638 (2010), 189-208.	3,916	2	1,958	2017
49	Monodromy eigenvalues are induced by poles of zeta functions the irreducible curve case (joint paper with W. Veys), Bull. Lond. Math. Soc. 42 (2010), no. 2, 312-322.	1,830	2	0,915	2020

50	On the Milnor fibers of cyclic quotient singularities, (joint paper with P. Popescu-Pampu), Proc. London Math. Soc. 101(2) (2010), 497-553.		3,154	2	1,577	2018
51	On the Milnor fibers of sandwiched singularities, (joint paper with P. Popescu-Pampu), Int. Math. Res. Not. 6 2010, 1041-1061.		2,658	2	1,329	2018
52	The embedding dimension of weighted homogeneous surface singularities, (joint paper with T. Okuma), Journal of Topology, 3 (2010), 643-667.		4,319	2	2,160	2019
53	The Seiberg-Witten invariants of negative definite plumbed 3-manifolds, Journal of EMS 13(4) (2011), 959-974.		5,114	1	5,114	2019
54	Yuri Ivanovich Manin, Acta Math. Hungarica, 133 (1-2) (2011), 1-13.		0,632	1	0,632	2018
55	Generalized monodromy conjecture in dimension two, (joint manuscript with W. Veys), Geometry and Topology 16(1) (2012), 155{217.		4,148	2	2,074	2018
56	Equivariant classes of matrix matroid varieties (joint paper with L.M. Feher and R. Rimanyi), Commentarii Math. Helvetici 87 (2012), 861{889.		3,036	3	1,012	2019
57	Spectrum of plane curves via knot theory, (joint manuscript with M. Borodzik), Journal of LMS, II Ser. 86 (1) (2012), 87-110.		2,430	2	1,215	2018
58	The cohomology of line bundles of splice-quotient singularities, Advances in Math., 229(4), 2503-2524 (2012).		3,513	1	3,513	2016
59	Heegaard Floer homologies for (+1) surgeries on torus knots (joint manuscript with M. Borodzik), Acta Math. Hungarica 139(4) (2013), 303-319.		0,632	2	0,316	2018
60	Hodge type structures as link invariants, (joint manuscript with M. Borodzik), Annales de L'Institute Fourier 63(1), 269-301 (2013).		2,038	2	1,019	2018
61	The 'corrected Durfee's inequality' for homogeneous complete intersections, (joint manuscript with D. Kerner), Math. Zeitschrift 274, Issue 3-4 (2013), 1385-1400.		1,870	2	0,935	2017
62	Ehrhart theory of polytopes and Seiberg-Witten invariants of plumbed 3-manifolds, (joint manuscript with T. Laszlo), Geometry and Topology, 18 (2014), 717-778.		4,148	2	2,074	2018
63	On the semicontinuity of the mod 2 spectrum of hypersurface singularities, (joint manuscript with M. Borodzik and A. Ranicki), J. of Algebraic Geometry 24 (2015), 379-398.	x	4,466	3	1,489	2019
64	Reduction theorem for lattice cohomology, (joint manuscript with T. Laszlo), Int. Math. Res. Notices 2015, Issue 11 (2015), 2938-2985.	x	2,658	2	1,329	2018
65	Holomorphic arcs on analytic spaces (joint manuscript with J. Kollar), Inventiones math. 200 issue 1 (2015), 97-147.	x	8,664	2	4,332	2018
66	The Hodge spectrum of analytic germs on isolated surface singularities (joint manuscript with M. Borodzik), J. Math. Pures Appl. 103 (5) (2015), 1132-1156.	x	3,768	2	1,884	2018
67	Immersion associated with holomorphic germs (joint with G. Pinter), Comment. Math. Helv. 90 (2015), 513-541.	x	3,036	2	1,518	2019
68	Lattice and Heegaard Floer Homologies of Algebraic Links, (joint manuscript with E. Gorsky), Int. Math. Res. Notices Vol. 2015 (2015) 12737-12780.	x	2,658	2	1,329	2018
69	The geometric genus of hypersurface singularities (joint manuscript with B. Sigurdsson), Journal of European Math. Soc. 18 (2016), 825{851.	x	5,114	2	2,557	2019
70	Morse theory for manifolds with boundary, (joint manuscript with M. Borodzik and A. Ranicki), Algebraic & Geometric Topology 16:2 (2016), 971-1023.	x	1,844	3	0,615	2019
71	Links of plane curve singularities are L-space links, (joint manuscript with E. Gorsky), Algebraic & Geometric Topology 16:4 (2016), 1905-1912.	x	1,844	2	0,922	2019

72	Lattice cohomology and rational cuspidal curves, (joint manuscript with J. Bodnar), Math. Research Letters 23 (2016) no:2, 339-375.	x	1,925	2	0,963	2016
73	A generalized FKG-inequality for compositions, (joint manuscript with D. Kerner), Journal of Combinatorial Theory, Series A. 146 (2017), 184-200.	x	2,014	2	1,007	2016
74	Durfee-type bound for some non-degenerate complete intersection singularities, (joint manuscript with D. Kerner), Math. Zeitschrift 285 (2017) no. 1-2, 159-175.	x	1,870	2	0,935	2017
75	Euler characteristics of Hilbert schemes of points on surfaces with simple singularities (joint paper with A. Gyenge and B. Szendrői), (short version, announcement), Int. Math. Research Notices (2017) 2017 Issue 13, 4152-4159.	x	2,658	3	0,886	2018
76	Durfee's conjecture on the signature of smoothings of surface singularities, (joint manuscript with J. Kollar, with an appendix by T. de Fernex), Annales Scient. De l'Ecole Norm. Sup. 4e serie, t. 50 (2017), 787-798.	x	6,145	2	3,073	2018
77	Links of rational singularities, L-spaces and LO fundamental groups, Inventiones mathematicae 210(1) (2017), 69-83.	x	8,664	1	8,664	2018
78	On the set of L-space surgeries for links, (joint manuscript with E. Gorsky), Adv. In Math. 333 (2018), 386-422.	x	3,513	2	1,757	2016
79	Combinatorial duality for Poincaré series, polytopes and invariants of plumbed 3-manifolds (joint paper with T. Laszlo and J. Nagy), Selecta Mathematica (New series) 25 (2019), no. 2, Art. 21, 31 pp.	x	3,053	3	1,018	2017
80	The Abel map for surface singularities I: generalities and examples. (joint manuscript with J. Nagy), Mathematische Annalen 375(3) (2019), 1427-1487.	x	3,245	2	1,623	2016
81	Surgery formulae for the Seiberg-Witten invariant of plumbed 3-manifolds, (joint manuscript with T. Laszlo and J. Nagy), Revista Matematica Complutense 33 (2020), 197-230.	x	1,470	3	0,490	2016
82	The Abel map for surface singularities II. Generic analytic structure. (joint manuscript with J. Nagy), Adv. in Math. 371 (2020).	x	3,513	2	1,757	2016
83	On the topology of elliptic singularities, (joint manuscript with J. Nagy), Pure and Applied Mathematics Quarterly 16, Nr 4, (2020), 1123-1146; special volume in honor of G.-M. Greuel's 75th birthday.	x	1,054	2	0,527	2020
84	The Geometric P=W conjecture in the Painlevé cases via plumbing calculus (joint with Szilard Szabo) arXiv:2001.11720, to appear in IMRN.	x	2,658	2	1,329	2018
85	Delta invariant of curves on rational surfaces I. An analytic approach (joint manuscript with J. I. Cogolludo-Agustin, T. Laszlo, J. Martin-Morales), to appear in Communications in Contemporary Mathematics.	x	2,171	4	0,543	2019
86	The Abel map for surface singularities III. Elliptic germs, (joint manuscript with J. Nagy), arXiv:1902.07493, to appear in Math. Zeitschrift.	x	1,870	2	0,935	2017
Total			S=		167,929	
			S_recent=		41,478	

b) Situația citărilor conform Web of Science (WOS)

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Detalii pentru 50 de citări recente și selectate de la Web of Science ale articolelor incluse la punctul a):

Numărul publicației care citează	Referință bibliografică a publicației care citează	SRI (JCR 2020)
On the set of L-space surgeries for links, (joint manuscript with E. Gorsky), Adv. In Math. 333 (2018), 386-422.		
1	Title: Rational L-space surgeries on satellites by algebraic links Author(s): Rasmussen, SD (Rasmussen, Sarah Dean) Source: JOURNAL OF TOPOLOGY Volume: 13 Issue: 4 Pages: 1333-1387 DOI: 10.1112/topo.12162 Published: DEC 2020	3,015
2	Title: Surgery on links of linking number zero and the Heegaard Floer d-invariant Author(s): Gorsky, E (Gorsky, Eugene); Liu, BB (Liu, Beibei); Moore, AH (Moore, Allison H.) Source: QUANTUM TOPOLOGY Volume: 11 Issue: 2 Pages: 323-378 DOI: 10.4171/QT/137 Published: 2020	2,205
Links of rational singularities, L-spaces and LO fundamental groups, Inventiones mathematicae 210(1) (2017), 69-83.		
3	Title: Heegaard Floer invariants of contact structures on links of surface singularities Author(s): Bodnar, J (Bodnar, Jozsef); Plamenevskaya, O (Plamenevskaya, Olga) Source: QUANTUM TOPOLOGY Volume: 12 Issue: 3 Pages: 411-437 DOI: 10.4171/QT/153 Published: 2021	2,205
4	Title: Connected Floer homology of covering involutions Author(s): Alfieri, A (Alfieri, Antonio); Kang, S (Kang, Sungkyung); Stipsicz, AI (Stipsicz, Andras, I) Source: MATHEMATISCHE ANNALEN Volume: 377 Issue: 3-4 Pages: 1427-1452 DOI: 10.1007/s00208-020-01992-9 Early Access Date: APR 2020 Published: AUG 2020	2,686

5	Title: SURFACE SINGULARITIES AND PLANAR CONTACT STRUCTURES Author(s): Ghiggini, P (Ghiggini, Paolo); Golla, M (Golla, Marco); Plamenevskaya, O (Plamenevskaya, Olga) Source: ANNALES DE L INSTITUT FOURIER Volume: 70 Issue: 4 Pages: 1791-1823 Published: 2020	1,874
6	Title: On definite strongly quasipositive links and L-space branched covers Author(s): Boileau, M (Boileau, Michel); Boyer, S (Boyer, Steven); Gordon, CM (Gordon, Cameron Mc A.) Source: ADVANCES IN MATHEMATICS Volume: 357 Article Number: 106828 DOI: 10.1016/j.aim.2019.106828 Published: DEC 1 2019	2,876
Euler characteristics of Hilbert schemes of points on surfaces with simple singularities (joint paper with A. Gyenge and B. Szendroi), <i>Int. Math. Research Notices</i> (2017) 2017 Issue 13, 4152-4159.		
7	Title: Euler numbers of Hilbert schemes of points on simple surface singularities and quantum dimensions of standard modules of quantum affine algebras Author(s): Nakajima, H (Nakajima, Hiraku) Source: KYOTO JOURNAL OF MATHEMATICS Volume: 61 Issue: 2 Pages: 377-397 Published: JUN 2021	1,095
8	Title: Atiyah class and sheaf counting on local Calabi Yau fourfolds Author(s): Diaconescu, DE (Diaconescu, Duiliu-Emanuel); Sheshmani, A (Sheshmani, Artan); Yau, ST (Yau, Shing-Tung) Source: ADVANCES IN MATHEMATICS Volume: 368 Article Number: 107132 DOI: 10.1016/j.aim.2020.107132 Published: JUL 15 2020	2,876
Durfee's conjecture on the signature of smoothings of surface singularities, (joint manuscript with J. Kollar), <i>Annales Scient. De l'Ecole Norm. Sup. 4e serie, t. 50</i> (2017), 787-798.		
9	Title: DURFEE-TYPE INEQUALITY FOR COMPLETE INTERSECTION SURFACE SINGULARITIES Author(s): Enokizono, M (Enokizono, Makoto) Source: DUKE MATHEMATICAL JOURNAL Volume: 170 Issue: 1 Pages: 1-21 DOI: 10.1215/00127094-2020-0047 Published: JAN 15 2021	5,223
The geometric genus of hypersurface singularities (joint manuscript with B. Sigurdsson), <i>Journal of European Math. Soc.</i> 18 (2016), 825{851}.		
10	Title: A note on 3-manifolds and complex surface singularities Author(s): Seade, J (Seade, Jose) Source: MATHEMATISCHE ZEITSCHRIFT Volume: 294 Issue: 1-2 Pages: 321-329 DOI: 10.1007/s00209-019-02271-3 Published: FEB 2020	1,679
11	Title: ON MILNOR'S FIBRATION THEOREM AND ITS OFFSPRING AFTER 50 YEARS Author(s): Seade, J (Seade, Jose) Source: BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 56 Issue: 2 Pages: 281-348 DOI: 10.1090/bull/1654 Published: APR 2019	3,144
Links of plane curve singularities are L-space links, (joint manuscript with E. Gorsky), <i>Algebraic & Geometric Topology</i> 16:4 (2016), 1905-1912.		
12	Title: Rational L-space surgeries on satellites by algebraic links Author(s): Rasmussen, SD (Rasmussen, Sarah Dean) Source: JOURNAL OF TOPOLOGY Volume: 13 Issue: 4 Pages: 1333-1387 DOI: 10.1112/topo.12162 Published: DEC 2020	3,015
13	Title: Involutive Heegaard Floer homology and rational cuspidal curves Author(s): Borodzik, M (Borodzik, Maciej); Hom, J (Hom, Jennifer) Source: PROCEEDINGS OF THE LONDON MATHEMATICAL SOCIETY Volume: 118 Issue: 3 Pages: 441-472 DOI: 10.1112/plms.12179 Published: MAR 2019	2,633
14	Title: Milnor fibers and symplectic fillings of quotient surface singularities Author(s): Park, H (Park, Heesang); Park, J (Park, Jongil); Shin, D (Shin, Dongsoo); Urzua, G (Urzua, Giancarlo) Source: ADVANCES IN MATHEMATICS Volume: 329 Pages: 1156-1230 DOI: 10.1016/j.aim.2018.03.002 Published: APR 30 2018	2,876
15	Title: L-space surgeries on links Author(s): Liu, YJ (Liu, Yajing) Source: QUANTUM TOPOLOGY Volume: 8 Issue: 3 Pages: 505-570 DOI: 10.4171/QT/96 Published: 2017	2,205

Lattice cohomology and rational cuspidal curves, (joint manuscript with J. Bodnar), Math. Research Letters 23 (2016) no:2, 339-375.		
16	Title: HEEGAARD FLOER HOMOLOGY AND CONCORDANCE BOUNDS ON THE THURSTON NORM Author(s): Celoria, D (Celoria, Daniele); Golla, M (Golla, Marco); Levine, AS (Levine, Adam Simon) Source: TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 373 Issue: 1 Pages: 295-318 DOI: 10.1090/tran/7906 Published: JAN 2020	2,334
17	Title: Involutive Heegaard Floer homology and rational cuspidal curves Author(s): Borodzik, M (Borodzik, Maciej); Hom, J (Hom, Jennifer) Source: PROCEEDINGS OF THE LONDON MATHEMATICAL SOCIETY Volume: 118 Issue: 3 Pages: 441-472 DOI: 10.1112/plms.12179 Published: MAR 2019	2,633
18	Title: On cobordisms between knots, braid index, and the Upsilon-invariant Author(s): Feller, P (Feller, Peter); Krcatovich, D (Krcatovich, David) Source: MATHEMATISCHE ANNALEN Volume: 369 Issue: 1-2 Pages: 301-329 DOI: 10.1007/s00208-017-1519-1 Published: OCT 2017	2,686
19	Title: Plane algebraic curves of arbitrary genus via Heegaard Floer homology Author(s): Borodzik, M (Borodzik, Maciej); Hedden, M (Hedden, Matthew); Livingston, C (Livingston, Charles) Source: COMMENTARII MATHEMATICI HELVETICI Volume: 92 Issue: 2 Pages: 215-256 DOI: 10.4171/CMH/411 Published: 2017	2,739
Holomorphic arcs on analytic spaces (joint manuscript with J. Kollar), Inventiones math. 200 issue 1 (2015), 97-147.		
20	Title: FUNDAMENTAL GROUP AND ANALYTIC DISKS Author(s): Dharmasena, D (Dharmasena, Dayal); Poletsky, EA (Poletsky, Evgeny A.) Source: TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 371 Issue: 1 Pages: 709-728 DOI: 10.1090/tran/7323 Published: JAN 1 2019	2,334
21	Title: THE CLASSICAL ARTIN APPROXIMATION THEOREMS Author(s): Hauser, H (Hauser, Herwig) Source: BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 54 Issue: 4 Pages: 595-633 DOI: 10.1090/bull/1579 Published: OCT 2017	3,144
22	Title: Reeb orbits and the minimal discrepancy of an isolated singularity Author(s): McLean, M (McLean, Mark) Source: INVENTIONES MATHEMATICAE Volume: 204 Issue: 2 Pages: 505-594 DOI: 10.1007/s00222-015-0620-x Published: MAY 2016	7,177
Lattice and Heegaard Floer Homologies of Algebraic Links, (joint manuscript with E. Gorsky), Int. Math. Res. Notices Vol. 2015 (2015) 12737-12780.		
23	Title: A NOTE ON THE WEAK SPLITTING NUMBER Author(s): Cavallo, A (Cavallo, Alberto); Collari, C (Collari, Carlo); Conway, A (Conway, Anthony) Source: PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 149 Issue: 3 Pages: 1305-1321 DOI: 10.1090/proc/15177 Published: MAR 2021	1,288
24	Title: On the generalized Nash problem for smooth germs and adjacencies of curve singularities Author(s): de Bobadilla, JF (Fernandez de Bobadilla, Javier); Pereira, MP (Pe Pereira, Maria); Popescu-Pampu, P (Popescu-Pampu, Patrick) Source: ADVANCES IN MATHEMATICS Volume: 320 Pages: 1269-1317 DOI: 10.1016/j.aim.2017.09.035 Published: NOV 7 2017	2,876
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II. Standarde minimale ale Universității

- a) articole științifice;
- îndeplinirea standardelor minimale de la nivel național;
 - publicarea în calitate de autor sau co-autor a minim 15 articole științifice indexate în baza de date Web of Science Thomson-Reuters și publicate în reviste cu factor de impact din domeniul Matematicii, din care minim 7 articole** în reviste aflate în quartilele Q1 sau Q2 de la Web of Science sau având scor relativ de influență mai mare sau egal ca 1;

Criteriul este îndeplinit (vezi tabelul de la punctul Ia).

Majoritatea articolelor sunt în Q1 din domeniul Matematicii. De exemplu: vezi articolele 4, 6, 9, 11, 15, 16, 23, 28, 31, 37, 53, 65, 66, 67, 69.

- b) minim două cărți pe domeniul Matematicii publicate în calitate de autor sau co-autor, din care minim una trebuie să fie monografie științifică într-o limbă de circulație internațională;

Criteriul este îndeplinit.

- 1) Milnor fiber boundary of a non-isolated surface singularity, (joint book with Á. Szilárd), Lecture Notes in Math. 2037, Springer 2012.
- 2) Normal Surface Singularities, Ergebnisse der Mathematik und ihrer Grenzgebiete, Springer, 2022 (preparation of the last revised version before printing, 650 pages).
- 3) Proceedings of the Deformation Theory Conference, Budapest, 2008; (coeditor A. Szilard), Bolyai Society Mathematical Studies 23, Springer-Verlag, 2013.
- 4) Singularities. Abstracts from the workshop held 20-26 September 2009; Organized by A. Nemethi, D. van Straten and V.A. Vassiliev; Oberwolfach Reports 6 (2009), no. 3, 2405-2469.
- 5) Singularities. Abstracts from the workshop held 23-29 September 2012; Organized by A. Nemethi, D. van Straten and V.A. Vassiliev; Oberwolfach Reports 9 (2012), no. 3, 2799-2866.
- 6) Singularities. Abstracts from the workshop held 25 September - 1 October 2016; Organized by F. Loeser, A. Nemethi, and D. van Straten; Oberwolfach Reports 13 (2016), no. 3, 2625-2691.
- 7) Proceedings of the 15th International Workshop on Real and Complex Singularities, 22-28 July 2018, ICMC-USP San Carlos (coeditors G. Feliciani Barbosa, J. L. Cisneros Molina, N. De Goes Grulha Junior); Journal of Singularities 22 (2020).

c) vizibilitatea internațională prin citări:

- îndeplinirea standardelor minimale de la nivel național;
- minim 20 citări ale publicațiilor proprii (fără considerarea autocitărilor) în articole indexate Web of Science Thomson-Reuters în cel puțin 5 reviste (cu factor de impact*) diferite din străinătate. În plus, candidatul trebuie să fie citat de cel puțin 5 autori cu afiliere la instituții de învățământ superior sau de cercetare din afara României.

Criteriul este îndeplinit: vezi tabelul de la punctul I. b).

III. Deținerea calității de director al cel puțin unui grant sau proiect de cercetare obținut prin competiție sau de membru în minimum trei astfel de granturi

Director al granturilor (selectate):

- National Science Foundation Grant (USA) 1992-1994, 1996-1998, 2000-2003, 2003-2007.
- Marie Curie Intra European Fellowship 2004-2006.
- Hungarian Science and Technology Foundation Grant, bilateral scientific cooperations supported by Hungarian and a foreign Ministry of Education (TET); 3 independent grants with Austria, France and Spain, 2007-2009.
- JSPS Invitation Fellowship Program for Research in Japan, ID No. S-10020, Japan Society for the Promotion of Science, September 2010. (Host researcher: T. Okuma, Yamagata University.)
- Hungarian grants of Hungarian National Science Foundation: 2007-2011, 2012-2016 și 2015-2019.

Data
10 ianuarie 2021

Némethi András