Universitatea *Transilvania* din Braşov
Facultatea de Matematică şi Informatică

Departamentul de Matematică şi Informatică

Poz. postului : 31
Disciplinele postului: Teoria numerelor,

Capitole speciale de matematică, Matematică

aplicată în economie, Soft Matematic

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAŢIONALE
Comisia CNATDCU: MATEMATICĂ
Postul: CONFERENŢIAR UNIVERSITAR

Candidat: Savin Diana Cristina
Funcţia actual: lector

Data naşterii: 20.10.1972
Instituţia: Universitatea Transilvania din Braşov

Criteriile 1 şi 2: $I \geq 2.5$ şi $I_{recent} \geq 1.5$
(Articole ştiinţifice publicate în reviste cotate ISI cu scor
relativ de influenta mai mare sau egal cu 0.5)

Nr. crt	Articol, referinţă bibliografică	Publicat în ultimii 7 ani	SRI	n_i	SRI/n_i
1	**D. SAVIN, C. FLAUT, C. CIOBANU**, *Some properties of the symbol algebras*, **Carpathian Journal of Mathematics** vol. 25, No. 2 (2009), p. 239-245 http://www.jstor.org/stable/43997648 ISSN 1584-2851; eISSN: 1843-4401 WOS:000271005900012	Inainte de 2015	0,664 (2021)	3	0.221
2	**D. SAVIN, M. ŞTEFĂNESCU**, *A necessary condition for certain Primes to be written in the form* $x^q + ry^q$, **Journal of Algebra and Its Applications (World Scientific)**, vol. 10, no.3 (June 2011), p. 435-443 https://www.worldscientific.com/doi/abs/10.1142/S0219498811004665 DOI:10.1142/S0219498811004665 ISSN:0219-4988 WOS:000292162900004	Inainte de 2015	0,699 (2021)	2	0,3495
3	**C. FLAUT, D. SAVIN**, *Some examples of division symbol algebras of degree 3 and 5*, **Carpathian Journal of Mathematics**, vol. 31, No. 2 (2015), p.197-204 https://www.carpathian.cunbm.utcluj.ro/project/vol-31-2015-no-2/ http://journals.mountaintopuniversity.edu.ng/Mathematics/Some%20examples%20of%20division%20symbol%20algebras%20of%20degree%203%20and%205.pdf ISSN 1584-2851; eISSN: 1843-4401 WOS:000357545300007	X	0,664 (2021)	2	0,332
4	**D. SAVIN**, *Some properties of Fibonacci numbers, Fibonacci octonions, and generalized Fibonacci-Lucas octonions*, **Advances in Difference Equations (Springer)** (2015), 2015:298. https://link.springer.com/article/10.1186/s13662-015-0627-z DOI:10.1186/s13662-015-0627-z ISSN:1687-1847 WOS:000367897200001	X	0,565 (2021)	1	0,565
5	**D. SAVIN**, *About division quaternion algebras and division symbol algebras*, **Carpathian Journal of Mathematics**, vol. 32, No. 2 (2016), pp. 233 – 240 https://www.carpathian.cunbm.utcluj.ro/project/vol-32-2016-no-2/ ISSN 1584-2851; eISSN: 1843-4401 WOS:000383008800011 http://journals.mountaintopuniversity.edu.ng/Mathematics/About%20division%20quaternion%20algebras%20and%20division%20symbol%20algebras.pdf	X	0,664 (2021)	1	0,664
6	**C. FLAUT, D. SAVIN**, *Some special number sequences obtained from a difference equation of degree three*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 106, January 2018, p 67-71	X	1,534 (2021)	2	0,767

1

	https://www.sciencedirect.com/science/article/abs/pii/S0960077917304708 DOI: 10.1016/j.chaos.2017.11.015 ISSN: 0960-0779; eISSN: 1873-2887 WOS:000418932800011				
7	C. FLAUT, **D. SAVIN**, *Some remarks regarding l- elements defined in algebras obtained by the Cayley–Dickson process*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 118, January 2019, p 112-116 https://www.sciencedirect.com/science/article/abs/pii/S0960077918308294 DOI:10.1016/j.chaos.2018.11.002 ISSN: 0960-0779; eISSN: 1873-2887 WOS:000454427800011	X	1,534 (2021)	2	0,767
8	C. FLAUT, **D. SAVIN**, G. ZAHARIA, *Properties and applications of some special integer number sequences*, **Mathematical Methods in the Applied Sciences**, 2021, 44, p. 7442–7454, https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.6257 ISSN:0170-4214; eISSN:1099-1476 WOS:000513011000001	X	0,823 (2021)	3	0, 2743
9	N. MINCULETE, **D. SAVIN**, *Some Properties of Extended Euler's Function and Extended Dedekind's Function*, **Mathematics MDPI** 2020, 8, 1222;, p.1-10 www.mdpi.com/journal/mathematics DOI:10.3390/math8081222 eISSN:2227-7390 WOS:000565566400001	X	0, 507 (2021)	2	0,2535
10	N. MINCULETE, **D. SAVIN**, *Some generalizations of the functions τ and $\tau^{(e)}$ in algebraic number fields*, **Expositiones Mathematicae (Science Direct, Elsevier)**, vol.39 (2021), p.344-353 https://doi.org/10.1016/j.exmath.2020.07.001 https://www.sciencedirect.com/science/article/abs/pii/S0723086920300347 ISSN: 0723-0869; eISSN: 1878-0792 WOS:000709287800002	X	1,618 (2021)	2	0,809
11	V. ACCIARO, **D. SAVIN**, M. TAOUS and A. ZEKHNINI, *On quaternion algebras over the composite of quadratic number fields*, **Glasnik Matematicki**, vol. 56, no. 1 (2021), p. 63-78 https://doi.org/10.3336/gm.56.1.05 https://web.math.pmf.unizg.hr/glasnik/forthcoming.html ISSN:0017-095X; eISSN:1846-7989 WOS:000659200400005	X	0,820 (2019)	4	0,205
12	N. MINCULETE, **D. SAVIN**, *Some properties of Euler's function and of the function τ and their generalizations in algebraic number fields*, **Mathematics MDPI** 2021, 9, 1710, p. 1-10 https://www.mdpi.com/2227-7390/9/15/1710?type=check_update&version=1 DOI:10.3390/math9151710 eISSN:2227-7390 WOS:000682068400001	X	0, 507 (2021)	2	0,2535
13	C. FLAUT, **D. SAVIN**, *Some properties of the norm in a division quaternion algebra*, accepted in **Mathematical Methods in the Applied Sciences**, https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.7502 DOI:10.1002/mma.7502 ISSN:0170-4214; eISSN:1099-1476 WOS:000652005100001	X	0,823 (2021)	2	0,4115
	TOTAL				I=5,8723
					I_{recent}=5,3018

Criteriul 3: C ≥ 6

(Citări (fără autocitări) provenind din articole ştiinţifice publicate în reviste cotate ISI cu SRI mai mare sau egal cu 0.5)

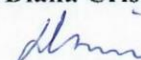| Nr.crt.	Articolul citat	Revista şi articolul în care a fost citat	SRI
1	**D. SAVIN**, *On the Diophantine Equation $x^4 - q^4 = py^3$, in the special conditions*, **An. Şt. „Ovidius" University of Constanta, Ser. Mat.** 12 (2004), f.1., p.81-90 https://www.anstuocmath.ro/mathematics/pdf7/dsavin_81_88.pdf ISSN:1224-1784; eISSN:1844-0835	F. Luca, A. Togbe, *On the Diophantine Equation $x^4 - q^4 = py^3$*, **Rocky Mountain Journal of Mathematics**, vol. 40, no. 3, (2010), p. 995-1008	0,525 (2021)

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2	D. SAVIN, *On the Diophantine Equation* $x^4 - q^4 = py^3$, **Italian Journal of Pure and Applied Mathematics** no.26 (2009), p.103-108. https://ijpam.uniud.it/abstracts/abstract%2026-2009.pdf ISSN:1126-8042	A.Bajolet, B. Dupuy, F. Luca, A. Togbe, *On the Diophantine equation* $x^4 - q^4 = py^2$, **Publicationes Mathematicae Debrecen**, 79/3-4 (2011) 269-282	0,637 (2021)
3	D. SAVIN, *On the Diophantine Equation* $x^4 - q^4 = py^3$, **Italian Journal of Pure and Applied Mathematics** no.26 (2009), p.103-108. https://ijpam.uniud.it/abstracts/abstract%2026-2009.pdf ISSN:1126-8042	M.A.Bennett, *Integers represented by* $x^4 - y^4$ *revisited*, **Bulletin of the Australian Mathematical Society**, vol. 103 (no. 1), 2021, p.38-49	0,621 (2021)
4	D. SAVIN, *About a Diophantine Equation*, **An. Şt. „Ovidius"University of Constanta**, Romania, Ser. Mat., XVII (2009), f.3, p.241-250. https://www.anstuocmath.ro/mathematics/pdf19/Savin.pdf ISSN:1224-1784; eISSN:1844-0835 WOS:000272196800021	Ait-Amrane Lyes, Behloul Djilali, *On some Diophantine equations involving generalized Fibonacci and Lucas numbers*, **Colloquium Mathematicum**, Vol. 150, Issue 2, p. 257-268, 2017	0,548 (2021)
5	D. SAVIN, *About some split central simple algebras*, **An. Şt. „Ovidius"University of Constanta, Romania**, Ser. Mat. XXII (2014), f.1, p. 263-272. https://www.anstuocmath.ro/mathematics/vol22-1/Savin_D.pdf DOI:10.2478/auom-2014-0022 ISSN:1224-1784; eISSN:1844-0835 WOS:000336512000023	C. Flaut, *Codes over a subset of Octonion Integers*, **Results in Mathematics**, November 2015, Volume 68, Issue 3, p. 345-359	0,742 (2021)
6	D. SAVIN, *Fibonacci primes of special forms*, **Notes on Number Theory and Discrete Mathematics**, vol. 20, 2014, no.2, p. 10-19 https://nntdm.net/volume-20-2014/number-2/10-19/ ISSN 1310–5132	P. Berrizbeitia, R. Chapman, F. Luca, A. Mendoza, *Quadratic forms representing pth terms of Lucas sequences*, **Journal of Number Theory** 175, 134-139 (2017)	0,916 (2021)
7	D. SAVIN, *Fibonacci primes of special forms*, **Notes on Number Theory and Discrete Mathematics**, vol. 20, 2014, no.2, p. 10-19 https://nntdm.net/volume-20-2014/number-2/10-19/ ISSN 1310–5132	Ciolan, F. Luca, P. Moree, *Counting terms U-n of third order linear recurrences with* $U_n = u^2 + nv^2$, **Journal of the Ramanujan Mathematical Society**, vol 32, Issue: 2, p. 165-183 (2017)	0,717 (2018)
8	C. FLAUT, D. SAVIN, *Quaternion Algebras and Generalized Fibonacci-Lucas Quaternions*, **Advances in Applied Clifford Algebras (Springer)**, December 2015, Volume 25, Issue 4, pp 853-862 **https://link.springer.com/article/10.1007/s00006-015-0542-0** DOI:10.1007/s00006-015-0542-0 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000363232700007	S.Halici, A. Karatas, *On a generalization for Fibonacci quaternions*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 98, May 2017, p.178-182 .	1,534 (2021)
9	D. SAVIN, *Some properties of Fibonacci numbers, Fibonacci octonions, and generalized Fibonacci-Lucas octonions*, **Advances in Difference Equations (Springer)** (2015), 2015:298. **https://link.springer.com/article/10.1186/s13662-015-0627-z** DOI:10.1186/s13662-015-0627-z ISSN:1687-1847 WOS:000367897200001	AYZ Wang, F Zhang, *The reciprocal sums of even and odd terms in the Fibonacci sequence*, **Journal of Inequalities and Applications (Springer)**, December 2015, 2015:376	0,634 (2021)
10	D. SAVIN, *About Special Elements in Quaternion Algebras Over Finite Fields*, **Advances in Applied Clifford Algebras (Springer)**, vol. 27, June 2017, Issue 2 , pp. 1801-1813 https://link.springer.com/article/10.1007/s00006-016-0718-2 DOI:10.1007/s00006-016-0718-2 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000401669000053	S. Yamaç Akbiyik, M. Akbiyik, S. Yüce, *On metallic ratio in* Z_p, **Mathematical Methods in the Applied Sciences**, Vol. 42 , Issue: 16, 2019, p. 5535-5550.	0,823 (2021)
11	D. SAVIN, *About Special Elements in Quaternion Algebras Over Finite Fields*, **Advances in Applied Clifford Algebras (Springer)**, vol. 27, June 2017, Issue 2 , pp. 1801-1813 https://link.springer.com/article/10.1007/s00006-016-0718-2 DOI:10.1007/s00006-016-0718-2 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000401669000053	Fengjin Miao, Bin Wu, Congcong Peng, Gaoju Ma, and Ting Xue, *Dynamic calibration method of the laser beam for a non-orthogonal shaft laser theodolite measurement system*, **Applied Optics**, Vol. 58, Issue 33, p. 9020-9026, (2019).	0,969 (2021)
12	D. SAVIN, *About Special Elements in Quaternion Algebras Over Finite Fields*, **Advances in Applied Clifford Algebras (Springer)**, vol. 27, June 2017, Issue 2 , pp. 1801-1813 https://link.springer.com/article/10.1007/s00006-016-0718-2 DOI:10.1007/s00006-016-0718-2 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000401669000053	P. Trojovsky, *On Diophantine Equations Related to Order of Appearance in Fibonacci Sequence*, **Mathematics MDPI**, Vol. 7, 2019, Issue 11, p. 1-10	0,507 (2021)
13	D. SAVIN, *About Special Elements in Quaternion Algebras Over Finite Fields*, **Advances in Applied Clifford Algebras. (Springer)**, vol. 27, June 2017, Issue 2 , pp. 1801-1813 https://link.springer.com/article/10.1007/s00006-016-0718-2	E. Trojovska, *On the Diophantine Equation* $z(n) = (2-1/k)n$ *Involving the Order of Appearance in the Fibonacci Sequence*, **Mathematics MDPI**, Vol. 8, 2020, Issue 1, p. 1-8	0,507 (2021)

	DOI:10.1007/s00006-016-0718-2 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000401669000053		
14	D. SAVIN, *About Special Elements in Quaternion Algebras Over Finite Fields*, **Advances in Applied Clifford Algebras (Springer)**, vol. 27, June 2017, Issue 2 , pp. 1801-1813 https://link.springer.com/article/10.1007/s00006-016-0718-2 DOI:10.1007/s00006-016-0718-2 ISSN: 0188-7009; eISSN: 1661-4909 WOS:000401669000053	Miao, Fengjin, Wu, Bin, Sun, Zefeng, Peng, Congcong, Ma, Gaoju, *Dynamic calibration and compensation method of a large-scale laser beam based on specular reflection for a nonorthogonal shaft laser theodolite measurement system*, **Applied Optics**, Vol. 59, Issue 32, p. 10113-10120, (2020)	0,969 (2021)
15	C. FLAUT, D. SAVIN, *Some special number sequences obtained from a difference equation of degree three*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 106, January 2018, p 67-71. https://www.sciencedirect.com/science/article/abs/pii/S0960077917304708 DOI: 10.1016/j.chaos.2017.11.015 ISSN: 0960-0779; eISSN: 1873-2887 WOS:000418932800011	W. Florek, *A class of generalized Tribonacci sequences applied to counting problems*, **Applied Mathematics and Computation**, vol. 338, December 2018, p. 809-821	1, 165 (2021)
16	C. FLAUT, D. SAVIN, *Some remarks regarding l- elements defined in algebras obtained by the Cayley–Dickson process*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 118, January 2019, p 112-116 https://www.sciencedirect.com/science/article/abs/pii/S0960077918308294 DOI:10.1016/j.chaos.2018.11.002 ISSN: 0960-0779; eISSN: 1873-2887 WOS:000454427800011	M. Anđelić, Z Du, CM da Fonseca,*A matrix approach to some second-order difference equations with sign-alternating coefficients*, **Journal of Difference Equations and Applications**, Vol. 26, 2020, Issue 2, p. 149-162.	0,661 (2021)
17	S.G. RAYAGURU, D. SAVIN, G.K. PANDA, *On Some Horadam Symbol Elements*, **Notes on Number Theory and Discrete Mathematics**, vol. 25, July 2019, no. 2, p. 91—112 https://nntdm.net/volume-25-2019/number-2/91-112/ DOI: 10.7546/nntdm.2019.25.2.91-112 ISSN:1310-5132; eISSN: 2367-8275 WOS:000473649300012	E Tan, HH Leung, *Some results on Horadam quaternions*, **Chaos, Solitons & Fractals (Science Direct, Elsevier)**, vol. 138, September 2020, 109961	1,534 (2021)
18	C. FLAUT, D. SAVIN, G. ZAHARIA,, *Some applications of Fibonacci and Lucas numbers*,,chapter published in the book **Algorithms as a Basis of Modern Applied Mathematics**, Studies in Fuzziness and Soft Computing 404, Springer 2021, p.119-130 https://link.springer.com/book/10.1007/978-3-030-61334-1 https://doi.org/10.1007/978-3-030-61334-1_5 ISSN: 1434-9922; e ISSN: 1860-0808	E Trojovska,E., P. Trojovsky, *On Fibonacci Numbers of Order r which are expressible as sum of consecutive factorial numbers*, **Mathematics MDPI**, Vol. 9, 2021, Issue 9, p. 1-19	0,507 (2021)
19	D. SAVIN, C. FLAUT, C. CIOBANU, *Some properties of the symbol algebras*, **Carpathian Journal of Mathematics** vol. 25, No. 2 (2009), p. 239-245 http://www.jstor.org/stable/43997648 ISSN 1584-2851; eISSN: 1843-4401 WOS:000271005900012	Isbilir Z., Gurses N., *Padovan and Perrin generalized quaternions*, accepted in **Mathematical Methods in the Applied Sciences** (https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.7495)	0,823 (2021)
TOTAL			C=19

Data: 27.01.2022

Candidat,

Lect. univ. dr. Diana Cristina Savin

Rezolutia Comisiei Științifice Matematică — Standardele sunt indeplinite — Semnătura

	DA	NU
1. Prof.dr.Ovidiu POPESCU	DA	NU
2. Conf.dr.Nicușor MINCULETE	DA	NU
3. Conf.dr.Lucian M. SASU	DA	NU

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