ACADEMIA ROMÂNĂ

SCOSAAR

ACADEMIA ROMÂNĂ
REGISTRATURA GENERALĂ
Nr. 135 din 27.08.2026

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 naţionale* [X] DA [ ] NU

FIŞA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

FIŞA DE VERIFICARE

a îndeplinirii standardelor IOSUD

Candidat: TĂNASE Raluca-Elena.

Data: 20.08.2026

Semnătura:

FIŞA DE INDEPLINIRE A STANDARDELOR MINIMALE

Candidat: TĂNASE Raluca-Elena

STANDARDE MINIMALE CNATDCU

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

Suplimentar, două din cele trei standarde trebuie depăşite cu minimum 50% (**S** >= 7,5, **S_recent** >=3,75, **C** >=18.

Publicaţii

Nr. crt. articol	Articol, referinţă bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i / n_i
1	R. Tanase, Complex Hénon maps and discrete groups, Advances in Mathematics 295 (2016) pp. 53-89	Nu	3.970	1	3.970
2	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	Da	3.970	2	1.985
3	R. Radu, R. Tanase, Semi-parabolic tools for hyperbolic H\a'{e}non maps and continuity of Julia sets in $\mathbb{C}^{2}$, Trans. Amer. Math. Soc. 370 (2018), pp. 3949-3996	Nu	3.062	2	1.531
4	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	Da	3.647	3	1.215
5	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	Da	3.647	4	0.911
6	T. Firsova, R. Radu, R. Tanase, Critical locus for Henon maps in an HOV region, Trans. Amer. Math. Soc. 379 (2026), 1931-1983	Nu	3.062	3	1.020
		TOTAL: S = 10.632 S_recent = 4.111			

Citări

Nr. crt.	Articolul citat, referinţă bibliografică	Revista şi articolul în care a fost citat	s_i
1	R. Tanase, Complex Hénon maps and discrete groups, Advances in Mathematics 295 (2016) pp. 53-89	K. Brown, P. Carvalho, J. Matczuk, Simple modules and their essential extensions for skew polynomial rings, Mathematische Zeitschrift, Vol. 291, p. 877-903 (2019)	2.155

2	R. Tanase, Complex Hénon maps and discrete groups, Advances in Mathematics 295 (2016) pp. 53-89	ZH Yu, L. Li, J. Matkowski, Iterative roots of two-dimensional mappings, Proceedings of the Edinburgh Mathematical Society, 66 (1), 2023, pp. 241-258	1.588
3	R. Tanase, Complex Hénon maps and discrete groups, Advances in Mathematics 295 (2016) pp. 53-89	X. Li, J. Zhao, Y. Zhang, Generation of one-dimensional complex discrete hyperchaotic maps with hardware implementation, Chaos, Solitons & Fractals, Volume 200, Part 1, 2025, 116976	2.778
4	R. Tanase, Complex Hénon maps and discrete groups, Advances in Mathematics 295 (2016) pp. 53-89	Y. Zhang, Z. Hua, H. Bao and H. Huang, 1-D Complex-Variable Chaotic Model With Hardware Implementation, IEEE Transactions on Industrial Informatics, vol. 22, no. 3, pp. 1659-1670, March 2026	5.113
5	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	M. Yampolsky, J. Yang, Structural instability of semi-Siegel Hénon maps, Adv. Math. 389 (2021), 107900	3.970
6	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	M. Lyubich, H. Peters, Structure of partially hyperbolic Hénon maps, J. Eur. Math. Soc. 23 (2021), pp. 3075-3128	7.456
7	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	E. Bedford, K. Kim, No Smooth Julia Sets for Polynomial Diffeomorphisms of with Positive Entropy, Journal of Geometric Analysis, Vol. 27, pp. 3085-3098 (2017)	2.164
8	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	E. Bedford, R. Dujardin, Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^{2}$, Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053
9	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	T. Yagi, Connectivity of Julia sets of Henon maps near the boundary of the Mandelbrot set, Osaka Journal of Mathematics 62 (4), 609-632, 2025	1.062
10	R. Radu, R. Tanase, A structure theorem for semi-parabolic Hénon maps, Advances in Mathematics 350 (2019) pp. 1000-1058	T. Yagi, Continuity of the Julia set of the Henon map at a semi-parabolic parameter, Kyushu Math Journal, Vol 80 (2026), Issue 1 pp. 257-47	0.882
11	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	L. Guerini, H. Peters, Random local complex dynamics, Ergodic Theory and Dynamical Systems, Vol. 40, Issue 8, August 2020, pp. 2156-2182	2.053
12	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	R. Dujardin, A closing lemma for polynomial automorphisms of $\mathbb{C}^{2}$, Astérisque 415, 2020, pp. 35-43	3.062
13	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications,	D. Gaidashev, R. Radu, M. Yampolsky, Renormalization and Siegel disks for	7.456

	Astérisque 416 (2020), pp. 213-251	complex Hénon maps, J. Eur. Math. Soc. 23 (2021), pp. 1053-1073	
14	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	E. Bedford, R. Dujardin, Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^{2}$, Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053
15	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	W. R. Lim, Hyperbolicity of Renormalization of Critical Quasicircle Maps, Communications in Mathematical Physics, Volume 407, art. no. 88 (2026)	3.236
16	M. Lyubich, R. Radu, R. Tanase, Hedgehogs in higher dimensions and their applications, Astérisque 416 (2020), pp. 213-251	S. Cantat, R. Dujardin, Some rigidity results for polynomial automorphisms of C^2, Cambridge Journal of Mathematics, Vol. 14, Issue 3 (2026), pp. 539-601	8.219
17	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	E. Bedford, R. Dujardin, Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^{2}$, Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053
18	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	R. Dujardin, A closing lemma for polynomial automorphisms of $\mathbb{C}^{2}$, Astérisque 415, 2020, pp. 35-43	3.062
19	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	L. Guerini, H. Peters, Random local complex dynamics, Ergodic Theory and Dynamical Systems, Vol. 40, Issue 8, August 2020, pp. 2156-2182	2.053
20	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	S. Cantat, R. Dujardin, Some rigidity results for polynomial automorphisms of C^2, Cambridge Journal of Mathematics, Vol. 14, Issue 3 (2026), pp. 539-601	8.219
21	T. Firsova, M. Lyubich, R. Radu, R. Tanase, Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^{2},0)$, Astérisque 416 (2020), pp. 193-211	W. R. Lim, Hyperbolicity of Renormalization of Critical Quasicircle Maps, Communications in Mathematical Physics, Volume 407, art. no. 88 (2026)	3.236
22	R. Radu, R. Tanase, Semi-parabolic tools for hyperbolic H\a'{e}non maps and continuity of Julia sets in $\mathbb{C}^{2}$, Trans. Amer. Math. Soc. 370 (2018), pp. 3949-3996	ZH Yu, L. Li, J. Matkowski, Iterative roots of two-dimensional mappings, Proceedings of the Edinburgh Mathematical Society, 66 (1), 2023, pp. 241-258	1.588

23	R. Radu, R. Tanase, Semi-parabolic tools for hyperbolic H\a'{e}non maps and continuity of Julia sets in $\mathbb{C}^{2}$, Trans. Amer. Math. Soc. 370 (2018), pp. 3949-3996	T. Yagi, Connectivity of Julia sets of Henon maps near the boundary of the Mandelbrot set, Osaka Journal of Mathematics 62 (4), 609-632, 2025	1.062
24	R. Radu, R. Tanase, Semi-parabolic tools for hyperbolic H\a'{e}non maps and continuity of Julia sets in $\mathbb{C}^{2}$, Trans. Amer. Math. Soc. 370 (2018), pp. 3949-3996	T. Yagi, Continuity of the Julia set of the Henon map at a semi-parabolic parameter, Kyushu Math Journal, Vol 80 (2026), Issue 1 pp. 257-47	0.882
25	S. Bonnot, R. Radu, R. Tanase, Hénon maps with biholomorphic escaping sets, Complex Analysis and its Synergies no. 1 (2017), Paper No. 3, pp. 1-18	S. Bera, R. Pal, K. Verma, On the Automorphism Group of Certain Short $\mathbb{C}^{2}$'s, International Mathematics Research Notices (2022), pp. 1-32	2.706
26	S. Bonnot, R. Radu, R. Tanase, Hénon maps with biholomorphic escaping sets, Complex Analysis and its Synergies no. 1 (2017), Paper No. 3, pp. 1-18	R. Pal, Relation between Hénon maps with biholomorphic esaping sets, Mathematische Annalen 388(4):1-28 (2023)	3.663
TOTAL:		**C = 26**	

DEFINIŢII

- **A** este mulţimea articolelor ştiinţifice care prezintă contribuţii originale, publicate (tipărite sau online) de candidat ca autor sau coautor, în reviste cu maximul factorilor SRI (scorul relativ de influenţă) din ultimele 5 liste ISI Thomson disponibile în momentul t al depunerii dosarului, indiferent de anul publicării articolelor (adică din anii t-1, t-2, t-3, t-4, t-5), mai mare sau egal cu 0,5.

- **A**_recent este mulţimea articolelor ştiinţifice care prezintă contribuţii originale, publicate (tipărite sau online) de candidat ca autor sau coautor, în ultimii 7 ani calendaristici anteriori depunerii dosarului pentru evaluare, în reviste care au maximul factorilor SRI din ultimele 5 liste ISI Thomson disponibile în momentul t al depunerii dosarului, indiferent de anul publicării articolelor (adică din anii t-1, t-2, t-3, t-4, t-5), mai mare sau egal cu 0,5. Ultimii 7 ani calendaristici anteriori depunerii dosarului pentru evaluare în anul t se consideră a fi anii: t-1, t-2, ... , t-6, t-7.

- s_i reprezintă maximul factorilor SRI din ultimele 5 liste ISI Thomson disponibile în momentul t al depunerii dosarului, indiferent de anul publicării articolelor (adică din anii t-1, t-2, t-3, t-4, t-5), ai revistei ştiinţifice dintr-un subdomeniu în care a fost publicat articolul i din lista candidatului. Dacă o revistă apare în mai multe liste din subdomenii diferite se aleg factorii SRI cel mai mari.

- n_i reprezintă numărul de autori ai articolului i din lista candidatului.

- S = suma (s_i / n_i), unde suma se face după toate articolele i din A.

- **S**_recent = suma (s_i / n_i), unde suma se face după toate articolele i din **A**_recent.

- **C** este numărul de citări, provenind din articole publicate în reviste ştiinţifice care au maximul factorilor SRI mai mare sau egal cu 0,5 (maximul se calculează din ultimele 5 liste ISI Thomson, indiferent de anul publicării, adică din anii t-1, t-2, t-3, t-4, t-5, unde t este momentul depunerii dosarului), care citează articole ştiinţifice publicate de candidat ca autor sau coautor. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul.