



ACADEMIA ROMÂNĂ

SCOSAAR

Anexa nr. 3

AVIZAT,

Director SCOSAAR

Acad. Maria Zaharescu

AVIZAT,

Director ȘCOALA DOCTORALĂ DE ȘTIINȚE MATEMATICE ȘI INFORMATICĂ

Prof. Dr. Lucian Beznea

1. Îndeplinirea standardelor IOSUD superioare standardelor minime naționale* ☐ DA ☐ NU

2. Îndeplinirea standardelor IOSUD egale standardelor minime naționale* ☒ DA ☐ NU

FIȘA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

FIȘA DE VERIFICARE

a îndeplinirii standardelor IOSUD

Candidat: RADU Remus-Andrei

Data: 17.06.2026

Semnătura:

*se va alege una dintre variante

FIȘA DE VERIFICARE A CRITERIILOR MINIMALE CNATDCU

CANDIDAT: **Remus-Andrei Radu**

Publicații:

Nr. Crt.	Articol, referință bibliografică	Publicat în ultimii 7 ani	s _i	n _i	s _i /n _i
1	D. Gaidashev, R. Radu , M. Yampolsky, <i>Renormalization and Siegel disks for complex Hénon maps</i> , J. Eur. Math. Soc. 23 (2021), 1053-1073	Da	7.456	3	2.485
2	M. Lyubich, R. Radu , R. Tanase, <i>Hedgehogs in higher dimensions and their applications</i> , Astérisque 416 (2020), p. 213-251	Da	3.647	3	1.215
3	T. Firsova, M. Lyubich, R. Radu , R. Tanase, <i>Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^2, 0)$</i> , Astérisque 416 (2020), p. 193-211	Da	3.647	4	0.911
4	R. Radu , R. Tanase, <i>A structure theorem for semi-parabolic Hénon maps</i> , Adv. Math. 350 (2019), 1000-1058	Da	3.970	2	1.985
5	R. Radu , R. Tanase, <i>Semi-parabolic tools for hyperbolic Hénon maps and continuity of Julia sets in $\mathbb{C}^2$</i> , Trans. Amer. Math. Soc. 370 (2018), 3949-3996	Nu	3.062	2	1.531
6	T. Firsova, R. Radu , R. Tanase, <i>Critical locus for Hénon maps in an HOV region</i> , Trans. Amer. Math. Soc. 379 (2026), 1931-1983	Nu	3.062	3	1.020
	TOTAL:	S = 9.147, S _{recent} = 6.596			

FIȘA DE VERIFICARE A CRITERIILOR MINIMALE CNATDCU

CANDIDAT: **Remus-Andrei Radu**

Citări: C=24

Nr. Crt.	Articol citat, referință bibliografică	Revista și articolul în care a fost citat	s.i
1	D. Gaidashev, R. Radu , M. Yampolsky, <i>Renormalization and Siegel disks for complex Hénon maps</i> , J. Eur. Math. Soc. 23 (2021), no. 4, pp. 1053-1073	M. Yampolsky, J. Yang, <i>Structural instability of semi-Siegel Hénon maps</i> , Adv. Math. 389 (2021), 107900	3.970
2		D. Gaidashev, M. Yampolsky, <i>Golden mean Siegel disk universality and renormalization</i> , Moscow Mathematical Journal (2022), Vol. 22, no. 3, pp. 451-491	1.497
3		J. Yang, <i>Renormalization in the golden-mean semi-Siegel Hénon family: Universality and non-rigidity</i> , Ergodic Theory and Dynamical Systems 40(4), pp. 1108-1152 (2020)	2.053
4		J. Yang, <i>Renormalization in the Golden-Mean Semi-Siegel Hénon Family: Non-Quasisymmetry</i> , Arnold Mathematical Journal, Vol. 6, pp. 313-331 (2020)	n/a
5		M. Yampolsky, <i>KAM-renormalization and Herman Rings for 2D Maps</i> , C. R. Math. Rep. Acad. Sci. Canada (2021), Vol. 43 (2), pp. 78-86	n/a
6		M. Yampolsky, J. Yang, <i>The Boundaries of Golden-Mean Siegel Disks in the Complex Quadratic Hénon Family Are Not Smooth</i> . In: M. Pacifico, P. Guarino (eds) <i>New Trends in One-Dimensional Dynamics</i> , Springer Proc. in Mathematics & Statistics, vol. 285, Springer 2019	n/a
7	M. Lyubich, R. Radu , R. Tanase, <i>Hedgehogs in higher dimensions and their applications</i> , Astérisque 416 (2020), pp. 213-251	L. Guerini, H. Peters, <i>Random local complex dynamics</i> , Ergodic Theory and Dynamical Systems, Vol. 40, Issue 8, August 2020, pp. 2156-2182	2.053
8		R. Dujardin, <i>A closing lemma for polynomial automorphisms of $\mathbb{C}^2$</i> , Astérisque 415, 2020, pp. 35-43	3.647
9		J. Reppekus, <i>Small divisors in discrete local holomorphic dynamics</i> , Bollettino dell'Unione Matematica Italiana (2023) 16:173-202	n/a
10		W. R. Lim, <i>Hyperbolicity of Renormalization of Critical Quasicircle Maps</i> , Communications in Mathematical Physics, vol. 407, article 88 (2026)	3.236
11		E. Bedford, R. Dujardin, <i>Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^2$</i> , Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053

Nr. Crt.	Articol citat, referință bibliografică	Revista și articolul în care a fost citat	s.i
12	T. Firsova, M. Lyubich, R. Radu , R. Tanase, <i>Hedgehogs for neutral dissipative germs of holomorphic diffeomorphisms of $(\mathbb{C}^2, 0)$</i> , Astérisque 416 (2020), pp. 193-211	L. Guerini, H. Peters, <i>Random local complex dynamics</i> , Ergodic Theory and Dynamical Systems, Vol. 40, Issue 8, August 2020, pp. 2156-2182	2.053
13		R. Dujardin, <i>A closing lemma for polynomial automorphisms of $\mathbb{C}^2$</i> , Astérisque 415, 2020, pp. 35-43	3.647
14		J. Reppekus, <i>Small divisors in discrete local holomorphic dynamics</i> , Bollettino dell'Unione Matematica Italiana 16:173-202 (2023)	n/a
15		W. R. Lim, <i>Hyperbolicity of Renormalization of Critical Quasicircle Maps</i> , Communications in Mathematical Physics, Volume 407, art. no. 88 (2026)	3.236
16		E. Bedford, R. Dujardin, <i>Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^2$</i> , Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053
17	R. Radu , R. Tanase, <i>A structure theorem for semi-parabolic Hénon maps</i> , Adv. Math. 350 (2019), pp. 1000-1058	M. Lyubich, H. Peters, <i>Structure of partially hyperbolic Hénon maps</i> , J. Eur. Math. Soc. 23 (2021), pp. 3075-3128	7.456
18		M. Yampolsky, J. Yang, <i>Structural instability of semi-Siegel Hénon maps</i> , Adv. Math. 389 (2021), 107900	3.970
19		E. Bedford, K. Kim, <i>No Smooth Julia Sets for Polynomial Diffeomorphisms of with Positive Entropy</i> , The Journal of Geometric Analysis, Vol. 27, pp. 3085-3098 (2017)	2.164
20		E. Bedford, R. Dujardin, <i>Topological and geometric hyperbolicity criteria for polynomial automorphisms of $\mathbb{C}^2$</i> , Ergodic Theory and Dynamical Systems (2022), 42(7), pp. 2151-2171	2.053
21		R. Tanase, <i>Complex Hénon maps and discrete groups</i> , Adv. Math. 295 (2016), pp. 53-89	3.970
22		E. Bedford, <i>Dynamics of Polynomial Diffeomorphisms in $\mathbb{C}^2$: Foliations and Laminations</i> , Notices of the International Consortium of Chinese Mathematicians Vol. 3 (2015), no. 1, pp. 58-63	n/a
23		T. Yagi, <i>Connectivity of Julia sets of Henon maps near the boundary of the Mandelbrot set</i> , Osaka Journal of Mathematics 62 (4), 609-632, 2025	1.062
24		T. Yagi, <i>Continuity of the Julia set of the Henon map at a semi-parabolic parameter</i> , Kyushu Math Journal, Vol 80 (2026), Issue 1 pp. 257-47	0.882

Nr. Crt.	Articol citat, referință bibliografică	Revista și articolul în care a fost citat	s.i
25	R. Radu , R. Tanase, <i>Semi-parabolic tools for hyperbolic Hénon maps and continuity of Julia sets in $\mathbb{C}^2$</i> , Trans. Amer. Math. Soc. 370 (2018), pp. 3949-3996	R. Tanase, <i>Complex Hénon maps and discrete groups</i> , Adv. Math. 295 (2016), pp. 53-89	3.970
26		Z. Yu, L. Li, J. Matkowski, Iterative roots of two-dimensional mappings, Proceedings of the Edinburgh Mathematical Society, 66(1), pp. 241-258, 2023	1.588
27		T. Yagi, <i>Connectivity of Julia sets of Henon maps near the boundary of the Mandelbrot set</i> , Osaka Journal of Mathematics 62 (4), 609-632, 2025	1.062
28		T. Yagi, <i>Continuity of the Julia set of the Henon map at a semi-parabolic parameter</i> , Kyushu Math Journal, Vol 80 (2026), Issue 1 pp. 257-47	0.882
29	S. Bonnot, R. Radu , R. Tanase, <i>Hénon maps with biholomorphic escaping sets</i> , Complex Analysis and its Synergies no. 1 (2017), Paper No. 3, pp. 1-18	S. Bera, R. Pal, K. Verma, <i>On the Automorphism Group of Certain Short $\mathbb{C}^2$'s</i> , International Mathematics Research Notices (2022), pp. 1-32	2.681
30		F. Bacher, Hénon maps with biholomorphic Kato surfaces, Comm. Amer. Math. Soc. 5 (2025), 457-474	n/a
31		R. Pal, Relation between Hénon maps with biholomorphic escaping sets, Mathematische Annalen 388(4):1-28 (2023)	3.094

Notă: **s.i** reprezintă scorul relativ de influență (SRI) al revistei. S-a luat în considerare cel mai bun scor din ultimii cinci ani, 2021-2025. Nu au fost incluse autocitări.