UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE ELECTRONICĂ, TELECOMUNICAŢII ŞI TEHNOLOGIA INFORMAŢIEI
DEPARTAMENTUL DE MATEMATICĂ ŞI INFORMATICĂ
Concurs pentru ocuparea postului de **CONFERENȚIAR UNIVERSITAR, poz. 11**
Disciplina postului: Analiză Matematică

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale naţionale pentru postul de conferenţiar universitar
publicat în Monitorul Oficial al României, Partea a III-a nr. 1251 din 24.11.2022

Candidat: **BURLICĂ MONICA-DANA**
Data naşterii: **12.06.1971**
Funcţia actuală: **lector univ. dr.**
Data numirii în funcţia actuală: **1.03.2009**
Instituţia: **Universitatea Tehnică "Gheorghe Asachi" din Iaşi**

ARTICOLE:

Nr. crt.	Articol, referinţa bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1.	**M. Burlică,** M. Durea, R. Strugariu, *On directional subregularity of mappings*, Optimization, pp.1-25, 2022. https://doi.org/10.1080/02331934.2022.2032052	x	1.124	3	0.375
2.	**M. Burlică,** M. Durea, R. Strugariu, *New concepts of directional derivatives for set-valued maps and applications to set optimization,* Optimization, pp.1-23, 2022. https://doi.org/10.1080/02331934.2022.2088368	x	1.124	3	0.375
3.	**M. D. Burlică,** D. Roşu, *An existence result for a class of delay inclusions involving measures, subjected to nonlocal initial data,* Mediterranean Journal of Mathematics, 14:104, 2017. https://link.springer.com/article/10.1007/s00009-017-0900-3	x	0.843	2	0.422

4.	**M. D. Burlică,** D. Roșu, *Nonlinear delay reaction-diffusion systems with nonlocal initial conditions having affine growth,* Topological Methods in Nonlinear Analysis, 48 (2), pp. 1-22, 2016. http://apcz.pl/czasopisma/index.php/TMNA/article/view/TMNA.2016.027	x	0.877	2	0.439
5.	**M. D. Burlică**, D. Roșu, I.I. Vrabie, *Abstract reaction–diffusion systems with nonlocal initial conditions*, Nonlinear Analysis: Theory, Methods & Applications, 94, pp. 107–119, 2014. http://www.sciencedirect.com/science/article/pii/S0362546X13002575		1.752	3	0.584
6.	**M. Burlică**, D. Roșu, *A class of nonlinear delay evolution equations with nonlocal initial conditions,* Proceedings of the American Mathematical Society, 142, pp. 2445-2458, 2014. http://www.ams.org/journals/proc/2014-142-07/S0002-9939-2014-11969-1/		1.322	2	0.661
Total:		**S=2,856**			
		S_{recent}=1,611			

Notă:
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 (scor relativ de influență) 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 dosatului, 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 se consideră a fi anii t-1,t-2,..t-7.
s_i reprezintă maximul factorilor SRI din ultimele 5 liste ISI Thomson disponibile în momentul t al depunerii dosatului, indiferent de anul publicării articolelor (adică din anii t-1,t-2,t-3,t-4,t-5), ai revistelor științifice dintr-un subdomeniu în care a fost publicat articolul i.
n_i reprezintă numărul de autori ai articolului i.
S=suma(si/ni), unde suma se face după toate articolele i din A.
S_{recent}=suma(si/ni), unde suma se face după toate articolele i din A_{recent}.
(extras din PO.DID.10.-A1.3-standarde nationale - Ordin MENCS 6129)

CITĂRI:

Nr. crt.	Articolul citat	Revista şi articolul în care a fost citat	s_i
1.	**M. Burlică,** M. Durea, R. Strugariu, *New concepts of directional derivatives for set-valued maps and applications to set optimization,* Optimization, pp.1-23, 2022. https://doi.org/10.1080/02331934.2022.2088368	M. Durea, R. Strugariu, *Directional derivatives and subdifferentials for set-valued maps applied to set optimization*, Journal of Global Optimmization, pp.1-21, 2022. https://link.springer.com/article/10.1007/s10898-022-01222-3#citeas	1,33
2.	**M.D. Burlică**, M. Necula, D. Roșu, I.I. Vrabie, *Delay Differential Evolutions Subjected to Nonlocal Initial Conditions*, CRC Press, Taylor & Francis Group, A Chapman & Hall Book, Boca Raton London-New York, 361pg., 2016	Yang-Yang Yu&Zhong-Xin Ma, *Volterra nonautonomous evolution inclusions: topological structure of solution sets and applications*, Applicable Analysis, (2022) DOI: 10.1080/00036811.2022.2158821. https://www.tandfonline.com/doi/abs/10.1080/00036811.2022.2158821?journalCode=gapa20	0,725
		Yu, YY. *On Control Problems for Volterra Nonautonomous Evolution Inclusions: Structure of Solution Sets and Approximate Controllability*. J Dyn Control Syst 28, 585–600 (2022). https://doi.org/10.1007/s10883-021-09562-1	0,841
		R.N. Wang, Zhong-Xin Ma, A.Miranville, *Topological Structure of the Solution Sets for a Nonlinear Delay Evolution*, International Mathematics Research Notices, Volume 2022, Issue 7, April 2022, Pages 4801–4889. https://doi.org/10.1093/imrn/rnab176	2,496

		A.N.A. Koam, T. Donchev, A.I. Lazu, M. Rafaqat, A. Ahmad, *One Sided Lipschitz Evolution Inclusions in Banach Spaces*, Mathematics 9, 3265 (2021) . https://www.mdpi.com/2227-7390/9/24/3265	0,634
		Yang-Yang Yu, *On Control Problems for Volterra Nonautonomous Evolution Inclusions: Structure of Solution Setsand Approximate Controllability*, J Dyn Control Syst (2021). https://link.springer.com/article/10.1007/s10883-021-09562-1	0,841
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		Khalil Ezzinbi, Mohamed AzizTaoudi, *Periodic solutions and attractiveness for some partial functional differential equations with lack of compactness*, Proc. Amer. Math. Soc. 149 (2021), 1165-1174. https://www.ams.org/journals/proc/2021-149-03/S0002-9939-2021-15313-6/home.html	1,322
		Yang-Yang Yu,Rong-Nian Wang, Ioan I. Vrabie, *Nonlinear Volterra delay evolution inclusions subjected to nonlocal initial conditions*, Topol. MethodsNonlinear Anal. 58(1): 135-160 (2021). DOI: 10.12775/TMNA.2020.065. https://projecteuclid.org/journals/topological-methods-in-nonlinear-analysis/volume-58/issue-1/Nonlinear-Volterra-delay-evolution-inclusions-subjected-to-nonlocal-initial-conditions/10.12775/TMNA.2020.065.short?tab=ArticleLink	0,877
		Yang-Yang Yu, Zhong-Xin Ma, *Global solvability for nonlinear nonautonomous evolution inclusions of Volterra-type and its applications*, J. Integral EquationsApplications 33(3): 381-401 (Fall 2021). DOI: 10.1216/jie.2021.33.381. https://projecteuclid.org/journals/journal-of-integral-equations-and-applications/volume-33/issue-3/Global-solvability-for-nonlinear-nonautonomous-evolution-inclusions-of-Volterra-type/10.1216/jie.2021.33.381.short?tab=ArticleLink	0,771
		B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction-diffusion system with nonlocal retarded initial conditions*, Journal of Taibah University for Science, 14, No1(2020). https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711

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		I. I. Vrabie, *A class of semilinear delay differential equations with nonlocal initial conditions*, Dynamics of PDE, 15(1), pp.45-60, 2018. http://intlpress.com/site/pub/pages/journals/items/dpde/content/vols/0015/0001/index.html	0,958
		E. Hernandez, D. O'Regan, *On state dependent non-local conditions*, Applied Mathematics Letters, 83,pp.103-109, 2018 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=9&SID=F4ZVxebY9XsYWCL91E1&page=1&doc=2	1,318
		E. Hernandez, *On abstract differential equations with state dependent non-local conditions*, Journal of Mathematical Analysis and Applications, 466(1), pp.406-425, 2018. https://www.sciencedirect.com/science/article/pii/S0022247X18304876	1,164

		T.Lorenz, *A viability theorem for set-valued states in a Hilbert space*, Journal of MathematicalAnalysisandApplications, 457, No 2 (2018), 1502-1567(**ISI**) https://www.sciencedirect.com/science/article/pii/S0022247X1730759X#bl0010	1,082
		S. Bilal, O. Cârjă, T. Donchev, N. Javaid, A. I. Lazu, *Nonlocal evolution inclusions under weak conditions,* Advances in Difference Equations, 1, pp.1-14, 2018. https://link.springer.com/article/10.1007/s41808-019-00049-6	0,724
3.	**M. D. Burlică**, D. Roșu, *Nonlinear delay reaction-diffusion systems with nonlocal initial conditions having affine growth*, *Topological Methods in Nonlinear Analysis*, 48, pp. 1-22, 2016. http://apcz.pl/czasopisma/index.php/TMNA/article/view/TMNA.2016.027	I. Benedetti, L. Malaguti, V. Taddei, I. I. Vrabie, *Semilinear delay evolution equations with measures subjected to nonlocal initial conditions*, Annali di Matematica Pura ed Applicata, 195 (5). pp. 1639–1658, 2016. http://link.springer.com/article/10.1007/s10231-015-0535-6	1,476
		I. I. Vrabie, *A class of semilinear delay differential equations with nonlocal initial conditions*, Dynamics of PDE, 15(1), pp.45-60, 2018. http://intlpress.com/site/pub/pages/journals/items/dpde/content/vols/0015/0001/index.html	0,958
		E. Hernandez, *On abstract differential equations with state dependent non-local conditions*, Journal of Mathematical Analysis and Applications, 466(1), pp.406-425, 2018. https://www.sciencedirect.com/science/article/pii/S0022247X18304876	1,164
4.	**M. D. Burlică**, D. Roșu, *A class of reaction-diffusion systems with nonlocal initial conditions*, Annals of the Alexandru Ioan Cuza University - Mathematics. 61 (1), pp. 59–78, 2015. http://www.degruyter.com/view/j/aicu.2015.61.issue-1/aicu-2013-0017/aicu-2013-0017.xml	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
		I. I. Vrabie, *Delay evolution equations with mixed nonlocal plus local initial conditions*, Communications in Contemporary Mathematics, 17 (2), 1350035 (22 pages) DOI: 10.1142/S0219199713500351, 2015. http://www.worldscientific.com/doi/abs/10.1142/S0219199713500351	2,171
5.	**M. Burlică**, D. Roșu, A class of nonlinear delay evolution equations with nonlocal initial conditions, Proceedings of the American Mathematical Society, 142, pp. 2445-2458,	R. N., Wang, Z. X., Ma, & A.,Miranville, *Topological structure of the solution sets for a nonlinear delay evolution,* International Mathematics Research Notices, 7, pp.4801-4889, 2022.	2,496

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		B. Meknani, J. Zhang, T. Abdelhamid, *Pseudo-almost periodic C^0 solutions to the evolution equations with nonlocal initial conditions,* Applicable Analysis, pp. 1-11, 2021.	0,765
		B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
		I. I. Vrabie, *A class of semilinear delay differential equations with nonlocal initial conditions*, Dynamics of PDE, 15(1), pp.45-60, 2018. http://intlpress.com/site/pub/pages/journals/items/dpde/content/vols/0015/0001/index.html	0,958
		E. Hernandez, *On abstract differential equations with state dependent non-local conditions*, Journal of Mathematical Analysis and Applications, 466(1), pp. 406-425, 2018. https://www.sciencedirect.com/science/article/pii/S0022247X18304876	1,164
		E. Hernandez, D. O'Regan, *On state dependent non-local conditions*, Applied Mathematics Letters, 83, pp.103-109, 2018. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=9&SID=F4ZVxebY9XsYWCL91E1&page=1&doc=2	1,318
		I. Benedetti, L. Malaguti, V. Taddei, I. I. Vrabie, *Semilinear delay evolution equations with measures subjected to nonlocal initial conditions*, Annali di Matematica Pura ed Applicata, 195 (5), pp. 1639–1658, 2016. http://link.springer.com/article/10.1007/s10231-015-0535-6	1,476

		I.I. Vrabie, *A local existence theorem for a class of delay differential equations*, Topological Methods in Nonlinear Analysis, 48 (2), pp. 597-612, 2016. DOI: http://dx.doi.org/10.12775/TMNA.2016.023 http://apcz.pl/czasopisma/index.php/TMNA/article/view/TMNA.2016.023	0,877
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6.	**M. D. Burlică,** D. Roșu, I.I. Vrabie, *Abstract reaction–diffusion systems with nonlocal initial conditions*, Nonlinear Analysis: Theory, Methods & Applications, 94, pp. 107–119, 2014. http://www.sciencedirect.com/science/article/pii/S0362546X13002575	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020.	0,765
		I. Benedetti, L. Malaguti, V. Taddei, I. I. Vrabie, *Semilinear delay evolution equations with measures subjected to nonlocal initial conditions*, Annali di Matematica Pura ed Applicata, 195 (5), pp. 1639–1658, 2016. http://link.springer.com/article/10.1007/s10231-015-0535-6	1,476
		I.I. Vrabie, *Delay evolution equations with mixed nonlocal plus local initial conditions*, Communications in Contemporary Mathematics, 17 (2), 1350035 (22 pages) DOI: 10.1142/S0219199713500351, 2015. http://www.worldscientific.com/doi/abs/10.1142/S0219199713500351	2,171
		I. I. Vrabie, *A class of semilinear delay differential equations with nonlocal initial conditions*, Dynamics of PDE, 15(1), pp.45-60, 2018. http://intlpress.com/site/pub/pages/journals/items/dpde/content/vols/0015/0001/index.html	0,958

7.	**M. Burlică**, D. Roșu**,** I.I.Vrabie, *Continuity with respect to the data for a delay evolution equation with nonlocal initial conditions*, Libertas Matematica, 32 (1), pp. 39-50, 2012. http://www.ara-as.org/index.php/lm-ns/article/view/27	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
		I. I. Vrabie, *Delay evolution equations with mixed nonlocal plus local initial conditions*, Communications in Contemporary Mathematics, 17(2), 1350035 (22 pages) DOI: 10.1142/S0219199713500351, 2015. http://www.worldscientific.com/doi/abs/10.1142/S0219199713500351	2,171
		I. I. Vrabie, *A class of semilinear delay differential equations with nonlocal initial conditions*, Dynamics of PDE, 15(1), pp.45-60, 2018. http://intlpress.com/site/pub/pages/journals/items/dpde/content/vols/0015/0001/index.html	0,958
8.	**M. Burlică,** D. Roșu, *The initial value and the periodic problems for a class of reaction-diffusion systems, Dynamics of Continuous Discrete and Impulsive Systems Series A*, 2008, 15(3) 427-444. http://online.watsci.org/abstract_pdf/2008v15/v15n3a-pdf/10.pdf	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
9.	**M. Burlică**, D. Roșu, *A viability result for semilinear reaction-diffusion systems*,An. Științ. Univ. Al. I. Cuzalași, (N.S), 54(2) (2008), 361-382, http://www.math.uaic.ro/~annalsmath/pdf-**uri%20anale/F2-**	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction-diffusion system with nonlocal retarded initial conditions*, Journal of Taibah University for Science, 14, No1(2020). https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711

	2008/Burlica.pdf		
10.	**M. Burlică,** *Viability for Semi-Multi-Valued Reaction-Diffusion Systems* AIP Conference Proceedings Mathematical and Statistical Physics, Vol. 1048, pp. 126-129, 2008. ISBN: 978-0-7354-0576-9.	B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
		D. Roșu, *Viability for nonlinear multi-valued reaction–diffusion systems*, Nonlinear Differential Equations and Applications NoDEA, 17, pp. 479–496, 2010. http://link.springer.com/article/10.1007/s00030-010-0064-3	1,418
		O. Cârjă, M. Necula, I. I. Vrabie, *Tangent sets, viability for differential inclusions and applications*, Nonlinear Analysis: Theory, Methods & Applications, 71 (12), pp. e979–e990, 2009. http://www.sciencedirect.com/science/article/pii/S0362546X09000649	1.752
11.	**M. Burlică**, D. Roșu, *A viability result for semilinear reaction-diffusion systems*, Proceedings of the International Conference of Applied Analysis and Differential Equations, 4–9 September 2006, Iași, Romania, World Scientific, pp. 31–44, 2007.	M. Necula, I. I. Vrabie, *A viability result for a class of fully nonlinear reaction–diffusion systems*, Nonlinear Analysis: Theory, Methods & Applications, 69 (5–6), pp. 1732–1743, 2008. http://www.sciencedirect.com/science/article/pii/S0362546X07004713	1.274

		B. Meknani, *The existence and uniqueness of integral solutions to some nonlinear reaction–diffusion system with nonlocal retarded initial conditions,* Journal of Taibah University for Science, 14(1), pp.569-578, 2020. https://www.tandfonline.com/doi/full/10.1080/16583655.2020.1751441	0,711
		D. Roșu, *Viability for nonlinear multi-valued reaction–diffusion systems*, Nonlinear Differential Equations and Applications NoDEA, 17, pp. 479–496, 2010. http://link.springer.com/article/10.1007/s00030-010-0064-3	1,418
Total citări:		**51**	

Notă:
s_i reprezintă maximul factorilor SRI din ultimele 5 liste ISI Thomson disponibile în momentul t al depunerii dosarului (adică din anii t-1,t-2,t-3,t-4,t-5), ai revistei științifice în care a fost publicat articolul care citează.
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.
(extras din PO.DID.10.-A1.3-standarde nationale - Ordin MENCS 6129)

Modul de îndeplinire a standardelor minimale naţionale:
S=2,856 > 2,5 şi S_{recent}=1,611 > 1.5 şi C = 51 > 6

Data: 12.01.2023

Semnatura:
Lect. univ. dr. Monica Burlică