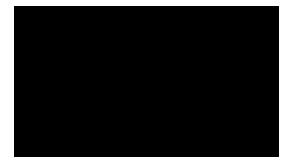


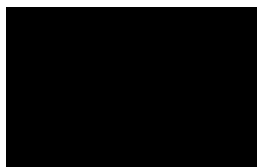
**Fișa de verificare a îndeplinirii standardelor minime pentru ocuparea postului de  
Lector universitar poziția 16  
Candidat: Asistent universitar dr. Oana Brandibur**

Indicatorul	Denumirea indicatorului			
<b>Indicatori precizați în Anexa 1 la ORDINUL nr. 6129 din 20.12.2016, publicată în Monitorul Oficial, Partea I, nr. 123bis/15.02.2017</b>				
<b>S</b>	4.323			
<b>S_recent</b>	4.323			
<b>C</b>	73			
<b>Indicatori suplimentari UVT</b>				
<b>C1_UVT - Cărți de specialitate</b>	O. Brandibur, E. Kaslik, M. Neamtu, Ecuatii caracteristice în studiul sistemelor de ecuații diferențiale cu memorie, Mirton, 2022, 134 pages, ISBN 978-973-52-2018-1.			
<b>C4_UVT - Număr de lucrări</b>				
<b>C4_UVT</b>	<b>Articole indexate WOS publicate în jurnale cotate ISI și în proceedings-uri de conferințe internaționale indexate ISI</b>	<b>s_i</b>	<b>n_i</b>	<b>s_i/n_i</b>
	1. Oana Brandibur, Eva Kaslik, Stability properties of a two-dimensional system involving one Caputo derivative and applications to the investigation of a fractional-order Morris-Lecar neuronal model, Nonlinear Dynamics, 90(4)(2017), 2371-2386. <a href="https://doi.org/10.1007/s11071-017-3809-2">https://doi.org/10.1007/s11071-017-3809-2</a>	2.186	2	1.093



2.	Oana Brandibur, Eva Kaslik, Stability of two-component incommensurate fractional-order systems and applications to the investigation of a FitzHugh-Nagumo neuronal model, <i>Mathematical Methods in the Applied Sciences</i> , 41(17)(2018), 7182–7194. <a href="https://doi.org/10.1002/mma.4768">https://doi.org/10.1002/mma.4768</a>	0.786	2	0.393
3.	Teodora Selea, Anca Vulpe, Oana Brandibur, Mădălina Erașcu, Eva Kaslik, Daniela Zaharie, Marc Frîncu, Benchmarking numerical libraries for flight software prequalification, <i>AIP Conference Proceedings</i> 1978 (2018), 470073. <a href="https://doi.org/10.1063/1.5044143">https://doi.org/10.1063/1.5044143</a>	-	-	-
4.	Oana Brandibur, Eva Kaslik, Dorota Mozyrska, Malgorzata Wyrwas, Stability results for two-dimensional systems of fractional-order difference equations, <i>Mathematics</i> , 8(10)(2020), 1751. <a href="https://doi.org/10.3390/math8101751">https://doi.org/10.3390/math8101751</a>	0.597	4	0.149
5.	Oana Brandibur, Eva Kaslik, Dorota Mozyrska, Malgorzata Wyrwas, Stability of systems of fractional-order difference equations and applications to a Rulkov-type neuronal model, <i>New Trends in Nonlinear Dynamics</i> , Springer, Cham, (2020), 305-314. <a href="https://doi.org/10.1007/978-3-030-34724-6_31">https://doi.org/10.1007/978-3-030-34724-6_31</a>	-	-	-
6.	Oana Brandibur, Eva Kaslik, Dorota Mozyrska, Malgorzata Wyrwas, Stability of Caputo-type fractional variable-order biquadratic difference equations, <i>New Trends in Nonlinear Dynamics</i> , Springer, Cham, (2020), 295-303. <a href="https://doi.org/10.1007/978-3-030-34724-6_30">https://doi.org/10.1007/978-3-030-34724-6_30</a>	-	-	-
7.	Gheorghe Țigan, Oana Brandibur, Emanuel Attila Kokovics, Loredana Flavia Vesa, Analysis of degenerate Chenciner bifurcation revisited, <i>International Journal of Bifurcation and Chaos</i> , 31(10)(2021), 2150160. <a href="https://doi.org/10.1142/S0218127421501601">https://doi.org/10.1142/S0218127421501601</a>	0.663	4	0.165
8.	Oana Brandibur, Eva Kaslik, Exact stability and instability regions for two-dimensional linear autonomous systems of fractional-order differential equations, <i>Fractional Calculus and Applied Analysis</i> , 24(1)(2021), 225–253. <a href="https://doi.org/10.1515/fca-2021-0010">https://doi.org/10.1515/fca-2021-0010</a>	1.335	2	0.667

9. Oana Brandibur, Eva Kaslik, Stability analysis of multi-term fractional-differential equations with three fractional derivatives, Journal of Mathematical Analysis and Applications, 495(2)(2021), 124751. <a href="https://doi.org/10.1016/j.jmaa.2020.124751">https://doi.org/10.1016/j.jmaa.2020.124751</a>	1.088	2	0.544
10. Oana Brandibur, Roberto Garrappa, Eva Kaslik, Stability of Systems of Fractional-Order Differential Equations with Caputo Derivatives, Mathematics, 9(8)(2021), 914. <a href="https://doi.org/10.3390/math9080914">https://doi.org/10.3390/math9080914</a>	0.597	3	0.199
11. Oana Brandibur, Eva Kaslik, Stability Analysis for a Fractional-Order Coupled FitzHugh–Nagumo-Type Neuronal Model, Fractal and Fractional, 6(5)(2022), 257. <a href="https://doi.org/10.3390/fractalfract6050257">https://doi.org/10.3390/fractalfract6050257</a>	0.914	2	0.457
12. Oana Brandibur, Eva Kaslik, Stability Analysis for a Fractional-Order Coupled Stability Results for Two-Term Fractional-Order Difference Equations, International workshop on Advanced Theory and Applications of Fractional Calculus. Springer, Cham, (2022), 225-230. <a href="https://doi.org/10.1007/978-3-031-04383-3_25">https://doi.org/10.1007/978-3-031-04383-3_25</a>	-	-	-
13. Gheorghe Moza, Oana Brandibur, Ariana Găină, Dynamics of a four-dimensional economic model, Mathematics, 11(4)(2023), 797. <a href="https://doi.org/10.3390/math11040797">https://doi.org/10.3390/math11040797</a>	0.597	3	0.199
14. Oana Brandibur, Eva Kaslik, Stability Properties of Multi-Term Fractional-Differential Equations, Fractal and Fractional, 7(2)(2023), 117. <a href="https://doi.org/10.3390/fractalfract7020117">https://doi.org/10.3390/fractalfract7020117</a>	0.914	2	0.457
<b>Articole publicate în proceedings-uri de conferințe internaționale sau indexate BDI</b>			
15. Oana Brandibur, Eva Kaslik, Stability analysis of two-component incommensurate fractional-order systems and applications to the FitzHugh-Nagumo model, Proceedings of the 17th International Conference on Computational and Mathematical Methods in Science and Engineering, 2 (2017), 405-414.			



	16. Gheorghe Țigan, Emanuel Cismaș, Stelian Mihalăș, Oana Brandibur, On the normal form of double-Hopf bifurcation, Scientific Bulletin of the Politehnica University of Timișoara, România, Transactions on Mathematics and Physics, 64(78)(2)(2019), 4-17.
	<b>Capitole de carte</b>
	17. Oana Brandibur, Eva Kaslik, Stability analysis of two-dimensional incommensurate systems of fractional-order differential equations, Fractional Calculus and Fractional Differential Equations. Springer - Trends in Mathematics (2019), 77-92. <a href="https://doi.org/10.1007/978-981-13-9227-6">https://doi.org/10.1007/978-981-13-9227-6</a>
	18. Oana Brandibur, Eva Kaslik, Dorota Mozyrska, Malgorzata Wyrwas, A Rulkov Neuronal Model with Caputo Fractional Variable-Order Differences of Convolution Type, Perspectives in Dynamical Systems II: Mathematical and Numerical Approaches, DSTA 2019 Proceedings, 2021, 227-235.
<b>C5_UVT - Recomandări de la cadre didactice universitare cu experiență relevantă în domeniul postului</b>	
<b>C5_UVT</b>	1. Prof. dr. Adina Luminița Sasu, Universitatea de Vest din Timișoara, <a href="mailto:adina.sasu@e-uvt.ro">adina.sasu@e-uvt.ro</a>
	2. Prof. dr. Eva Kaslik, Universitatea de Vest din Timișoara, <a href="mailto:eva.kaslik@e-uvt.ro">eva.kaslik@e-uvt.ro</a>

	<b>Standard minimal</b>	<b>Standard îndeplinit</b>
<b>S</b>	1	4.323
<b>Publicații</b>	5 (în publicații indexate BDI sau proc. de conf. ISI)	18 lucrări publicate (10 lucrări ISI, 4 proceedings-uri ISI, 2 capitole de carte, 1 proceedings BDI, 1 articol BDI)
<b>Recomandări</b>	2 (de la conferențiar sau profesor)	2 (de la profesor)

