

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMAȚIEI
DEPARTAMENTUL DE MATEMATICĂ ȘI INFORMATICĂ
Concurs pentru ocuparea postului de **conferențiar**, poz. **10**
Disciplinele postului: **ALGEBRĂ LINIARĂ ȘI GEOMETRIE ANALITICĂ**

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
conferențiar universitar

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Candidat: **TĂRNICERIU CARMEN-OANA** / Data nașterii: **11/04/1977** Funcția actuală: **lector universitar doctor**, Data numirii în funcția actuală: **18/02/2019**

Instituția: Universitatea "Gheorghe Asachi" din Iași

Data: 7/09/2020
Candidat Tărniceriu Carmen-Oana

Standarde minimale conferentiar : S mai mare sau egal cu 2,5 si S_recent mai mare sau egal cu 1,5, C mai mare sau egal cu 6.

Nr. crt. articol	Articol, referința bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1.	<i>A theoretical connection between the Noisy Leaky Integrate-and-Fire and the Escape Rate models: The non-autonomous case</i> , G.Dumont, J.Henry, C.O. Tarniceriu , Mathematical Modelling of Natural Phenomena , vol.59, DOI: 10.1051/mmnp/2020017, 2020	Da	0.958	3	0.319
2.	<i>Noisy threshold in neuronal models: connections with the noisy leaky integrate-and-fire model</i> , G.Dumont, J.Henry, C.O. Tarniceriu , Journal of Mathematical Biology , 73 (6-7), 1413-1436, 2016.	Da	2.061	3	0.687
3.	<i>Theoretical connections between mathematical neuronal models corresponding to different expressions of noise</i> , G.Dumont, J.Henry, C.O. Tarniceriu , Journal of Theoretical Biology , 406, 31-41, 2016.	Da	1.560	3	0.52
4.	<i>A density model for a population of theta neurons</i> , G.Dumont, J.Henry, C.O. Tarniceriu , Journal of Mathematical Neuroscience , DOI: 10.1186/2190-8567-4-2, 2014	Da	4.524	3	1.508
5.	<i>Analysis of synchronization in a neural population by a population density approach</i> , A. Garenne, J. Henry, C.O. Tarniceriu , Mathematical Modelling of Natural Phenomena , 5 (2), 5-25, 2010	Nu	0.958	3	0.319
TOTAL		S=3.353	S_recent=3.034		

Nr. crt.	Articol, referința bibliografică	Revista și articolul în care a fost citat	s_i
1.	<i>Noisy threshold in neuronal models: connections with the noisy leaky integrate-and-fire model</i> , G.Dumont, J.Henry, C.O. Tarniceriu , Journal of Mathematical Biology , 73 (6-7), 1413-1436, 2016.	1. Caceres, M.J., Schneider, <i>Analysis and numerical solver for excitatory-inhibitory networks with delay and refractory periods</i> , ESAIM:M2AN , 2018, doi.org/10.1051/m2an/2018014 2. Miles, C.E., Keener, J.P., <i>Jump locations of jump-diffusion</i>	2.082 1.731

		<p><i>processes with state dependent rates</i>, Journal of Physics A: Mathematical and Theoretical, 50 (42) ,2017</p> <p>3. Caceres, M.J., Schneider, <i>Blow up, steady states and long time behaviour of excitatory-inhibitory nonlinear neuron models</i>, R, Kinetic and Related Models, 10(3), 587-612, 2017</p> <p>4. V. Calvez, T.Lepoutre, N. Meunier, <i>Non-linear analysis of a model for yeast cell communication</i>, ESAIM:M2AN, vol. 54, no. 2, 2020, 619-640.</p>	<p>1.283</p> <p>2.082</p>
2.	<p><i>Theoretical connections between mathematical neuronal models corresponding to different expressions of noise,, G.Dumont, J.Henry, C.O. Tarniceriu, Journal of Theoretical Biology</i>, 406, 31-41, 2016.</p>	<p>1. Caceres, M.J., Schneider, <i>Analysis and numerical solver for excitatory-inhibitory networks with delay and refractory periods</i>, ESAIM:M2AN, 2018, doi.org/10.1051/m2an/2018014</p> <p>2. Chevallier, J., <i>Fluctuations of mean-field interacting age-dependent hawkes processes</i>, Electronic Journal of Probability, 22, 42</p> <p>3. T Schwalger, AV Chizhov, <i>Mind the last spike- firing rate models for mesoscopic populations of spiking neurons</i>, Current opinion în neurobiology, 2019</p> <p>4. P. Michel, SK Tumuluri, <i>A note of a neuron network model with diffusion</i>, Discrete&Continuous Dynamical Systems, 2017</p>	<p>2.082</p> <p>1.684</p> <p>3.106</p> <p>1.491</p>
3.	<p><i>Analysis of synchronization in a neural population by a population density approach</i>, A. Garenne, J. Henry, C.O. Tarniceriu, Mathematical Modelling of Natural Phenomena, 5 (2), 5-25, 2010</p>	<p>1. Dumont,G., Henry. J., <i>Population density models of integrate-and-fire neurons with jumps: well-posedness</i>, Journal of Mathematical Biology, vol. 67, issue 3, pp. 453-481, 2013</p> <p>2. Milton, JG., <i>Quantitative neuroscience: From chalk board to bedside</i>, 2010, Mathematical Modelling of Natural Phenomena , 5 (2), 1-4, 2010</p>	<p>2.061</p> <p>0.958</p>
4.	<p><i>Optimal control of a class of size-structured systems</i>, O. Tarniceriu, V.M. Veliov, Lecture Notes in Computer Science, 1848, 2008</p>	<p>1. Gasca-Leyva,E., Hernández, J.M., Veliov, V.M., <i>Optimal harvesting time in a size heterogeneous population</i>, Ecological Modelling, vol 210, issues 1-2, pp 161-168, 2008</p>	<p>1.111</p>
5.	<p><i>A theoretical connection between the Noisy Leaky Integrate-and-Fire and the Escape Rate models: The non-autonomous case</i>, G.Dumont, J.Henry, C.O. Tarniceriu, arXiv, 2018</p>	<p>1. Caceres, M.J., Schneider, <i>Analysis and numerical solver for excitatory-inhibitory networks with delay and refractory periods</i>, ESAIM:M2AN, 2018, doi.org/10.1051/m2an/2018014</p>	<p>2.082</p>

TOTAL

C=12