

Fișa de calcul a îndeplinirii standardelor universității de prezentare
la concursul de promovare pe postul de profesor universitar
(se atașează la formularul F 647.23/Ed.2)

1. Abilitarea

Nr. Crt.	Instituția care a acordat atestatul de abilitare	Domeniul	Nr. atestat / Data
1	Academia de Studii Economice din București	Informatică Economică	4606 / 05.06.2024

2. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
1	Academia de Studii Economice din București	Informatică economică	2009-2014	Doctor (diploma nr. 47 / 29.05.2015; cu distincția Magna cum laudae)

3. Îndeplinirea standardelor minime de prezentare la concursul pentru postul de conferențiar universitar, conform OMENCS nr. 6129/20.12.2016, publicat în M.Oficial, Partea I, nr. 123 bis/15.02.2017.

A. Articole publicate în reviste indexate ISI cu scor absolut de influență (AIS) nenul (maxim 10 lucrări)

Nr. Articol	Articol, referința bibliografică	Multiplicator M	Număr autori N	AIS	Punctaj Pi
1.	Simona-Vasilica Oprea, Adela Bâra, Cristian Bucur, Bogdan-George Tudorică , and Niculae Oprea (2024). <i>Trading in the Quantum Era: Optimizing Bitcoin Gains and Energy Costs</i> . Journal of Applied Economics, ISSN 1514-0326, eISSN 1667-6726 (publicație cotate ISI, factor de impact / JIF 2024: 1.4, Q3, scor relativ de influență / AIS 2024: 0.409, Q3, multiplicator 10) https://doi.org/10.1080/15140326.2024.2404795 https://www.webofscience.com/wos/woscc/full-record/WOS:001316049900001	10	5	0.409	2.454
2.	Bucur C, Tudorica B , Andrei JV, Dusmanescu D, Paraschiv D and Teodor C (2024). <i>Sentiment analysis of global news on environmental issues: insights into public perception and its impact on low-carbon</i>	6	6	0.668	2.004

	<p><i>economy transition</i>. <i>Frontiers in Environmental Science</i> 12:1360304, eISSN 2296-665X (publicație cotate ISI, factor de impact / JIF 2024: 3.3, Q2, scor relativ de influență / AIS 2024: 0.668, Q2, multiplicator 6)</p> <p>https://doi.org/10.3389/fenvs.2024.1360304 https://www.frontiersin.org/journals/environmental-science/articles/10.3389/fenvs.2024.1360304/full https://www.webofscience.com/wos/woscc/full-record/WOS:001250813000001</p> <p>Articolul a fost cuprins ulterior în ebook-ul Zhen Liu, Jing Lan, Wang Pei, <i>Low-Carbon Economy and Sustainable Development: Driving Force, Synergistic Mechanism, and Implementation Path</i>. ISSN 1664-8714, ISBN 978-2-8325-5724-2, DOI 10.3389/978-2-8325-5724-2, https://www.frontiersin.org/research-topics/54719/low-carbon-economy-and-sustainable-development-driving-force-synergistic-mechanism-and-implementation-path</p>				
3.	<p>Bogdan-George Tudorică, Cristian Bucur, Mirela Panait, Simona-Vasilica Oprea, Adela Bâra. (2024). <i>Energetic Equilibrium: Optimizing renewable and non-renewable energy sources via particle swarm optimization</i>, Utilities Policy, Volume 87, 2024, 101722, ISSN 0957-1787, (publicație cotate ISI, factor de impact / JIF 2024: 3.8, Q2, scor relativ de influență / AIS 2024: 0.602, Q3, multiplicator 6)</p> <p>https://doi.org/10.1016/j.jup.2024.101722 https://www.sciencedirect.com/science/article/pii/S0957178724000158 https://www.webofscience.com/wos/woscc/full-record/WOS:001175993200001</p>	6	5	0.602	2.167
4.	<p>Bâra A, Oprea S-V, Bucur C, Tudorică B-G. (2023). <i>Unraveling the Impact of Lockdowns on E-commerce: An Empirical Analysis of Google Analytics Data during 2019–2022</i>. <i>Journal of Theoretical and Applied Electronic</i></p>	10	4	0.685	4.795

	Commerce Research. 2023; 18(3):1484-1510., ISSN & eISSN 0718-1876 (publicație cotată ISI, factor de impact / IF 2024: 5.1, Q1, scor relativ de influență / AIS 2024: 0.685, Q2, Core Economics / multiplicator 10) https://doi.org/10.3390/jtaer18030075 https://www.mdpi.com/0718-1876/18/3/75 https://www.webofscience.com/wos/woscc/full-record/WOS:001074137500001				
5.	Bâra, A., Oprea, S.-V., & Tudorică, B. G. (2023). <i>From the East-European Regional Day-Ahead Markets to a Global Electricity Market</i> . Computational Economics. electronic ISSN: 1572-9974, print ISSN: 0927-7099, (publicație cotată ISI, factor de impact / JIF 2024: 1.9, Q3, scor relativ de influență / AIS 2024: 0.352, Q3, Core Economics / multiplicator 10) https://doi.org/10.1007/s10614-023-10416-0 , https://link.springer.com/article/10.1007/s10614-023-10416-0 https://www.webofscience.com/wos/woscc/full-record/WOS:001040215200002	10	3	0.352	2.816
6.	Bucur, C., Tudorică, B. G. , Oprea, S. V., Nancu, D., & Dușmănescu, D. M. (2021). <i>Insights into Energy Indicators Analytics Towards European Green Energy Transition using Statistics and Self-Organizing Maps</i> . IEEE Access. volume 9. doi: 10.1109/ACCESS.2021.3075175. ISSN 2169-3536 (publicație cotată ISI, factor de impact / JIF 2024: 3.4, Q2, scor relativ de influență / AIS 2024: 0.698, Q2, Infoeconomics / multiplicator 8) https://ieeexplore.ieee.org/abstract/document/9411840 https://www.webofscience.com/wos/woscc/full-record/WOS:000645858100001 (Articol premiat in cadrul programului PRECISI2021 al UEFISCDI - https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole , https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art-2021_18.11.2021.pdf#page=48)	8	5	0.698	3.350
7.	Simona Oprea, Mihai Alexandru Botezatu, Bogdan George Tudorica , Maria Irene Calinoiu, Adela Bara (2021) - <i>Insights into Demand Side Management with Big Data</i>	8	5	0.678	3.254

	<p><i>Analytics in Electricity Consumers' Behavior</i>, Computers & Electrical Engineering, Elsevier, DOI: 10.1016/j.compeleceng.2020.106902, ISSN 0045-7906, eISSN 1879-0755 (publicație cotate ISI, factor de impact / JIF 2024: 4, Q1, scor relativ de influență / AIS 2024: 0.678, Q2, Infoeconomics / multiplicator 8)</p> <p>https://www.sciencedirect.com/science/article/pii/S0045790620307540</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000640906400002</p> <p>(Articol premiat in cadrul programului PRECISI2021 al UEFISCDI -</p> <p>https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole,</p> <p>https://uefiscdi.gov.ro/resource-868119-precisi2021_lista-2_rezultate-eligibilitate-art-2021_18.11.2021.pdf#page=98)</p>				
8.	<p>Simona-Vasilica Oprea, Adela Bâra, Bogdan George Tudorică, Gabriela Dobriță (Ene) (2020). <i>Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self-Organizing Maps</i>. <i>Sustainability</i>, 12(8), 3442, DOI: 10.3390/su12083442, ISSN 2071-1050 (publicație cotate ISI, factor de impact / JIF 2024: 3.3, Q2, scor relativ de influență / AIS 2024: 0.533, Q3, multiplicator 6)</p> <p>https://www.mdpi.com/2071-1050/12/8/3442</p> <p>https://www.webofscience.com/wos/woscc/full-record/WOS:000535598700375</p> <p>(Articol premiat in cadrul programului PRECISI2020 al UEFISCDI -</p> <p>https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole,</p> <p>https://uefiscdi.gov.ro/resource-824264-precisi_lista-1_partial-3_rezultate-eligibilitate_articole-2020_.pdf#page=34)</p>	6	4	0.533	2.238
9.	<p>Elvira Nica, Bogdan George Tudorica, Dorel-Mihail Dusmanescu, Gheorghe Popescu, Alina Maria Breaz - <i>Databases Security Issues - A Short Analysis on The Emergent Security Problems Generated by NoSQL Databases</i>, Economic computation and economic cybernetics studies and research, Academy of Economic Studies, issue 53 (3/2019), p. 113-129, DOI: 10.24818/18423264/53.3.19.07, ISSN 0424-267X, eISSN 1842-3264 (publicație cotate ISI, factor de impact / JIF 2024: 1.4, Q3, scor relativ de influență / AIS 2024: 0.135, Q4, Core Economics / multiplicator 10)</p>	10	5	0.135	0.810

	http://www.ecocyb.ase.ro/nr2019_3/7.%20Nic%20Elvira,%20Gheorghe%20Popescu%20(T).pdf				
	https://www.webofscience.com/wos/woscc/full-record/WOS:000487267900007				
TOTAL Punctaj P1-n = P1+P2+...+Pn =					23.888
Cărți/capitole publicate în edituri internaționale sau articole publicate în volume ISI Proceedings care pot substitui o parte dintre cele 10 articole ISI maxim admise în calcul punctajului P.*					
	Lucrare, referința bibliografică			Punctaj Pi	
n+1	NA			-	
TOTAL Punctaj P(n+1)-m = Pn+1 +Pn+2+...+Pm =					-
TOTAL Punctaj P = P1-n +P(n+1)-m=					23.888

*Pentru publicațiile de acest tip pot fi acordate: **maxim 0,5 puncte** pentru profesor universitar ($P(n+1)-10 \leq 0,5$), respectiv **maxim 0,1875 puncte** pentru conferențiar universitar ($P(n+1)-10 \leq 0,1875$).

B. Citări în reviste indexate ISI cu scor absolut de influență (AIS) nenul sau în cărți publicate la edituri de prestigiu (maxim 10 citări)**

Nr. Crt.	Lucrarea citată	Revista și articolul în care a fost citat	Cuartila	Categorie de încadrare	AIS	Punctaj Ci
1.	Simona Oprea, Mihai Alexandru Botezatu, Bogdan George Tudorica , Maria Irene Calinoiu, Adela Bara (2021) - <i>Insights into Demand Side Management with Big Data Analytics in Electricity Consumers' Behavior</i> , Computers & Electrical	Elias, Y. B., Yousef, M. Y., Mohamed, A., Ali, A. A., & Mosa, M. A. (2024). <i>Energy management and demand side management framework for nano-grid under various utility strategies and consumer's preference</i> . Scientific Reports, 14(1), 25757. https://www.nature.com/articles/s41598-024-74509-y https://www.webofscience.com/wos/woscc/full-record/WOS:001345716800079	Q1	MULTIDISCIPLINARY SCIENCES	1.061	1
2.	Engineering, Elsevier, DOI: 10.1016/j.compeleceng.2020.106902, ISSN 0045-7906, eISSN 1879-0755 https://www.sciencedirect.com/science	Tiwari, S., Khan, S., Mohammed, K. S., & Bilan, Y. (2024). <i>Connectedness between artificial intelligence, clean energy, and conventional energy markets: Fresh findings from CQ and WLMC techniques</i> . Gondwana Research, 136, 92-103.	Q1	GEOSCIENCES, MULTIDISCIPLINARY	1.741	1

	e/article/pii/S0045790620307540 https://www.webofscience.com/wos/woscc/full-record/WOS:000640906400002	https://www.sciencedirect.com/science/article/pii/S1342937X24002557 https://www.webofscience.com/wos/woscc/full-record/WOS:001310650500001				
3.		<p>Nojavan, S., Hagh, M. T., Taghizad-Tavana, K., & Ghanbari-Ghalehjoughi, M. (2024). <i>Optimal demand response aggregation in wholesale electricity markets: Comparative analysis of polyhedral; ellipsoidal and box methods for modeling uncertainties</i>. <i>Heliyon</i>, 10(10). https://www.cell.com/heliyon/fulltext/S2405-8440(24)07554-6 https://www.webofscience.com/wos/woscc/full-record/WOS:001298390500001</p>	Q1	MULTIDISCIPLINARY SCIENCES	0.615	1
4.		<p>Chi, X., Li, Z., Liu, H., Chen, J., & Gao, J. (2024). <i>Predicting air pollutant emissions of the foundry industry: Based on the electricity big data</i>. <i>Science of The Total Environment</i>, 917, 170323. https://www.sciencedirect.com/science/article/pii/S0048969724004583 https://www.webofscience.com/wos/woscc/full-record/WOS:001176269300001</p>	Q1	ENVIRONMENTAL SCIENCES	1.493	1
5.		<p>Chen, H., Wang, R., Liu, X., Du, Y., & Yang, Y. (2023). <i>Monitoring the enterprise carbon emissions using electricity big data: A case study of Beijing</i>. <i>Journal of Cleaner Production</i>, 396, 136427. https://www.sciencedirect.com/science/article/pii/S0959652623005851</p>	Q1	GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY	1.590	1

		https://www.webofscience.com/wos/woscc/full-record/WOS:000944421300001				
6.		Cortez, V., Rabelo, R., Carvalho, A., Floris, A., & Pilloni, V. (2024). <i>On the Impact of Flexibility on Demand - Side Management: Understanding the Need for Consumer - Oriented Demand Response Programs</i> . International Journal of Energy Research, 2024(1), 8831617. https://onlinelibrary.wiley.com/doi/full/10.1155/2024/8831617 https://www.webofscience.com/wos/woscc/full-record/WOS:001186067700001	Q1	ENERGY & FUELS	0.743	1
7.	Bucur, C., Tudorică, B. G., Oprea, S. V., Nancu, D., & Dușmănescu, D. M. (2021). <i>Insights into Energy Indicators Analytics Towards European Green Energy Transition using Statistics and Self-Organizing Maps</i> . IEEE Access. volume 9. doi: 10.1109/ACCESS.2021.3075175. ISSN 2169-3536 https://ieeexplore.ieee.org/abstract/document/9411840 https://www.webofscience.com/wos/woscc/full-record/WOS:000645858100001	Degirmenci, T., Aydin, M., Cakmak, B. Y., & Yigit, B. (2024). <i>A path to cleaner energy: The nexus of technological regulations, green technological innovation, economic globalization, and human capital</i> . Energy, 311, 133316. https://www.sciencedirect.com/science/article/pii/S0360544224030925 https://www.webofscience.com/wos/woscc/full-record/WOS:001332982300001	Q1	ENERGY & FUELS	1.328	1
8.	https://ieeexplore.ieee.org/abstract/document/9411840 https://www.webofscience.com/wos/woscc/full-record/WOS:000645858100001	Aydin, M., Guney, E., Yigit, B., Acikgoz, F., & Cakmak, B. Y. (2024). <i>Regulatory pathways to green energy transition for sustainable environment: The fostering role of human rights, banking sector development, economic complexity, and economic freedom</i> . Journal of Environmental Management, 366, 121739.	Q1	ENVIRONMENTAL SCIENCES	1.289	1

		https://www.sciencedirect.com/science/article/pii/S0301479724017250 https://www.webofscience.com/wos/woscc/full-record/WOS:001275662400001				
9.		<p>Shahzad, U., Asl, M. G., Panait, M., Sarker, T., & Apostu, S. A. (2023). <i>Emerging interaction of artificial intelligence with basic materials and oil & gas companies: A comparative look at the Islamic vs. conventional markets</i>. Resources Policy, 80, 103197.</p> <p>https://www.sciencedirect.com/science/article/pii/S0301420722006407 https://www.webofscience.com/wos/woscc/full-record/WOS:000917426000001</p>	Q1	ENVIRONMENTAL STUDIES	1.294	1
10.	<p>Simona-Vasilica Oprea, Adela Bâra, Bogdan George Tudorică, Gabriela Dobriță (Ene) (2020). <i>Sustainable Development with Smart Meter Data Analytics Using NoSQL and Self-Organizing Maps. Sustainability</i>, 12(8), 3442, DOI: 10.3390/su12083442, ISSN 2071-1050 https://www.mdpi.com/2071-1050/12/8/3442 https://www.webofscience.com/wos/woscc/full-record/WOS:000535598700375</p>	<p>Chrobak, G., Kowalczyk, T., Fischer, T. B., Chrobak, K., Szewrański, S., & Kazak, J. K. (2021). <i>Combining indicators for better decisions—Algorithms vs experts on lakes ecological status assessment</i>. Ecological Indicators, 132, 108318.</p> <p>https://www.sciencedirect.com/science/article/pii/S1470160X21009833 https://www.webofscience.com/wos/woscc/full-record/WOS:000717663100002</p>	Q1	ENVIRONMENTAL SCIENCES	1.097	1
	Lucrarea citată	Cartea publicată la o editură de prestigiu în care a fost citată lucrarea				Punctaj Ci

r+1	NA	-	-
TOTAL Punctaj C= C1 +C2+...+Cs =			10

****Se *exclud* autocitările și semi-autocitările.**

Director de proiect/membru la granturi/proiecte de cercetare:

1. NA

Nivelul de îndeplinire a standardelor minimale

Punctaje minime pentru titlul didactic de profesor	Valori obținute
$S=P+C \geq 4$	S = 33.888
$P \geq 2$	P = 23.888
$C \geq 1.2$	C = 10

Condiții care trebuie îndeplinite

Criterii minime pentru titlul didactic de profesor	Realizare criteriu
Minim 2 articole publicat în reviste cotate ISI cu scor absolut de influență (AIS) mai mare decât 0.15	Îndeplinit (8 articole cu AIS > 0.15)
Minim 2 articole ISI cu AIS nenul din categoriile Core Economics și / sau Infoeconomics	Îndeplinit (4 articole în categoria Core Economics, 2 articole în categoria Infoeconomics)
Minim 4 articole ISI cu AIS nenul	Îndeplinit (9 articole cu AIS nenul)

Se vor trece pentru fiecare criteriu (din standardele impuse) toate lucrările, cu precizarea punctajului care revine candidatului pentru fiecare lucrare și a tuturor informațiilor privind lucrările: autorii, titlul lucrării, titlul revistei/cărții, anul, volumul, numărul, pagina la care începe articolul și pagina la care se termină articolul, nr. pagini carte, editura la care a fost publicată cartea, instituția care a acordat brevetul, ISSN/ISBN etc.

Data
6 ianuarie 2025

Candidat,
Conf. univ. dr. inf. habil.
Tudorică A. Bogdan George