Piața Romană nr. 6, sector 1, București, cod 010374, România
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Anexa 3

Modelul fișei de verificare a îndeplinirii standardelor minimale

Candidat

Prof. Univ. Dr. Diaconița Vlad

Nr. articol	Articol, referința bibliografică	M	N	AIS	Punctaj Final
1	Ionescu, S.-A., & Diaconita, V. (2023). Transforming Financial Decision-Making: The Interplay of AI, Cloud Computing and Advanced Data Management Technologies. *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, *18*(6). https://doi.org/10.15837/ijccc.2023.6.5735	8	2	0,301	2,1672
2	Baroiu, A. C., Diaconita, V., & Oprea, S. V. (2023). Bitcoin volatility in bull *vs* . bear market-insights from analyzing on-chain metrics and Twitter posts. *PeerJ Computer Science*, *9*, e1750. https://doi.org/10.7717/peerj-cs.1750	8	3	0.853	5,4592
3	Ducman, A. A., Diaconita, V., Simonca, I., Belciu, A., & Corbea, A. M. I. (2023). Government Oversight and Economic Impacts: Sustainability in the Vineyard and the Evolution of Wine Regulations, Trade and Production. *Agronomy*, *13*(12), 2991. https://doi.org/10.3390/agronomy13122991	6	5	0,497	1,7892
4	Diaconita, V., Belciu, A., & Stoica, M. G. (2023). Trustful Blockchain-Based Framework for Privacy Enabling Voting in a University. *Journal of Theoretical and Applied Electronic Commerce Research*, *18*(1), 150–169. https://doi.org/10.3390/jtaer18010008	10	3	0,641	5,128
5	Oprea, S.-V., Bâra, A., & Diaconita, V. (2022). A motivational local trading framework with 2-round auctioning and settlement rules embedded in smart contracts for a small citizen energy community. *Renewable Energy*, *193*, 225–239. https://doi.org/10.1016/j.renene.2022.04.149	6	3	1,232	5,9136

6	Oprea, S. V., Bara, A., Diaconita, V., Ceaparu, C., & Ducman, A. A. (2021). Big Data Processing for Commercial Buildings and Assessing Flexibility in the Context of Citizen Energy Communities. *IEEE Access*, *9*, 168715–168730. https://doi.org/10.1109/ACCESS.2021.3137352	8	5	0,685	3,288
7	Oprea, S., Bara, A., & Diaconita, V. (2019). Sliding Time Window Electricity Consumption Optimization Algorithm for Communities in the Context of Big Data Processing. *IEEE Access*, 1. https://doi.org/10.1109/ACCESS.2019.2892902	8	3	0,685	4,384
8	Diaconita, V., Bologa, A.-R., & Bologa, R. (2018). Hadoop oriented smart cities architecture. *Sensors (Switzerland)*, *18*(4). https://doi.org/10.3390/s18041181	6	3	0,608	2,9184
9	Lungu, I., Bara, A., Diaconita, V., & Paraschiv, C. (2010). Analyzing the performance of data loading and processing in relational databases. *Economic Computation and Economic Cybernetics Studies and Research*, *44*(3).	10	3	0,09	0,72
10	Lungu, I., Velicanu, M., Bara, A., Diaconita, V., & Botha, I. (2008). Practices for designing and improving data extraction in a virtual data warehouses project. *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, *3*(S), 369–374.	8	5	0,301	1,4448
	TOTAL Punctaj Pi				33,21

Nr. Crt	**Articolul citat, referința bibliografică**	**Articolul în care a fost citat, referința bibliografică**	**Cuartila**	**Categorie de încadrare**	**AIS**	**Punctaj**
1	Oprea, S. V., Bara, A., Diaconita, V., Ceaparu, C., & Ducman, A. A. (2021). Big Data Processing for Commercial Buildings and Assessing Flexibility in the Context of Citizen Energy Communities. *IEEE Access*, *9*, 168715–168730.	Kvet, M., & Papan, J. (2024). Enhancing Analytical Select Statements Using Reference Aliases. *IEEE Access*, *12*, 27311–27330. https://doi.org/10.1109/ACCESS.2024.3366455	Q2	COMPUTER SCIENCE, INFORMATION SYSTEMS	0,685	**0.75**

	https://doi.org/10.1109/ACCESS.2021.3137352					
2	Oprea, S. V., Bara, A., Diaconita, V., Ceaparu, C., & Ducman, A. A. (2021). Big Data Processing for Commercial Buildings and Assessing Flexibility in the Context of Citizen Energy Communities. *IEEE Access*, *9*, 168715–168730. https://doi.org/10.1109/ACCESS.2021.3137352	Giglio, E., Luzzani, G., Terranova, V., Trivigno, G., Niccolai, A., & Grimaccia, F. (2023). An Efficient Artificial Intelligence Energy Management System for Urban Building Integrating Photovoltaic and Storage. *IEEE Access*, *11*, 18673–18688. https://doi.org/10.1109/ACCESS.2023.3247636	Q2	COMPUTER SCIENCE, INFORMATION SYSTEMS	0,685	**0.75**
3	Oprea, S. V., Bara, A., Diaconita, V., Ceaparu, C., & Ducman, A. A. (2021). Big Data Processing for Commercial Buildings and Assessing Flexibility in the Context of Citizen Energy Communities. *IEEE Access*, *9*, 168715–168730. https://doi.org/10.1109/ACCESS.2021.3137352	Kvet, M., & Papan, J. (2022). The Complexity of the Data Retrieval Process Using the Proposed Index Extension. *IEEE Access*, *10*, 46187–46213. https://doi.org/10.1109/ACCESS.2022.3170711	Q2	COMPUTER SCIENCE, INFORMATION SYSTEMS	0,685	**0.75**
4	Oprea, S., Bara, A., & Diaconita, V. (2019). Sliding Time Window Electricity Consumption Optimization Algorithm for Communities in the Context of Big Data Processing. *IEEE Access*, 1. https://doi.org/10.1109/ACCESS.2019.2892902	Olivares-Rojas, J. C., Reyes-Archundia, E., Gutiérrez-Gnecchi, J. A., González-Murueta, J. W., & Cerda-Jacobo, J. (2020). A multi-tier architecture for data analytics in smart metering systems. *Simulation Modelling Practice and Theory*, *102*, 102024. https://doi.org/10.101	Q2	COMPUTER SCIENCE, SOFTWARE ENGINEERING	0,636	**0.75**

		6/j.simpat.2019.102024				
5	Diaconita, V., Bologa, A.-R., & Bologa, R. (2018). Hadoop Oriented Smart Cities Architecture. *Sensors*, *18*(4), 1181. https://doi.org/10.3390/s18041181	Singh, T., Solanki, A., Sharma, S. K., Nayyar, A., & Paul, A. (2022). A Decade Review on Smart Cities: Paradigms, Challenges and Opportunities. *IEEE Access*, *10*, 68319–68364. https://doi.org/10.1109/ACCESS.2022.3184710	Q2	COMPUTER SCIENCE, SOFTWARE ENGINEERING	0,685	**0.75**
6	Oprea, S.-V., Bâra, A., & Diaconita, V. (2022). A motivational local trading framework with 2-round auctioning and settlement rules embedded in smart contracts for a small citizen energy community. *Renewable Energy*, *193*, 225–239. https://doi.org/10.1016/j.renene.2022.04.149	Parhamfar, M., Sadeghkhani, I., & Adeli, A. M. (2024). Towards the net zero carbon future: A review of blockchain-enabled peer-to-peer carbon trading. *Energy Science & Engineering*, *12*(3), 1242–1264. https://doi.org/10.1002/ese3.1697	Q3	ENERGY & FUELS	0.651	**0.5**
7	Lungu, I., Velicanu, M., Bara, A., Diaconita, V., & Botha, I. (2008). Practices for designing and improving data extraction in a virtual data warehouses project. *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, *3*(S), 369–374.	Khan, F. A., Ahmad, A., Imran, M., Alharbi, M., Mujeeb-ur-rehman, & Jan, B. (2017). Efficient data access and performance improvement model for virtual data warehouse. *Sustainable Cities and Society*, *35*, 232–240. https://doi.org/10.1016/j.scs.2017.08.003	Q1	CONSTRUCTION & BUILDING TECHNOLOGY	1,414	**1**
8	Oprea, S.-V., Bâra, A., & Diaconita, V. (2022). A motivational local trading framework with 2-	Heilmann, J., Wensaas, M., Crespo del Granado, P., & Hashemipour, N. (2022). Trading	Q2	GREEN & SUSTAINABLE SCIENCE	1,232	**0.75**

	round auctioning and settlement rules embedded in smart contracts for a small citizen energy community. *Renewable Energy*, *193*, 225–239. https://doi.org/10.1016/j.renene.2022.04.149	algorithms to represent the wholesale market of energy communities in Norway and England. *Renewable Energy*, *200*, 1426–1437. https://doi.org/10.1016/j.renene.2022.10.028		& TECHNOLOGY		
9	Oprea, S.-V., Bâra, A., & Diaconita, V. (2022). A motivational local trading framework with 2-round auctioning and settlement rules embedded in smart contracts for a small citizen energy community. *Renewable Energy*, *193*, 225–239. https://doi.org/10.1016/j.renene.2022.04.149	Dorahaki, S., Rashidinejad, M., Fatemi Ardestani, S. F., Abdollahi, A., & Salehizadeh, M. R. (2023). An integrated model for citizen energy communities and renewable energy communities based on clean energy package: A two-stage risk-based approach. *Energy*, *277*, 127727. https://doi.org/10.1016/j.energy.2023.127727	Q1	THERMODYNAMICS	1,235	**1**
10	Oprea, S.-V., Bâra, A., & Diaconita, V. (2022). A motivational local trading framework with 2-round auctioning and settlement rules embedded in smart contracts for a small citizen energy community. *Renewable Energy*, *193*, 225–239. https://doi.org/10.1016/j.renene.2022.04.149	Zhou, Y., & Lund, P. D. (2023). Peer-to-peer energy sharing and trading of renewable energy in smart communities ─ trading pricing models, decision-making and agent-based collaboration. *Renewable Energy*, *207*, 177–193. https://doi.org/10.1016/j.renene.2023.02.125	Q2	GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY	1,232	**0.75**
	TOTAL Punctaj C					**7.75**

Condiţii ce trebuie îndeplinite pentru abilitare conform art 4:

			Nr articole	DA	NU
Indeplinire conditie articole AIS > 0,15 sau proiecte (2 prof si 1 conf)			9	X	

Indeplinire conditie cu privire la numarul de articole cu AIS nenul (4 prof si 2 conf)			10	X	
Indeplinire conditie cu privire la numarul de articole cu AIS in Core Economics/Informatics (2 prof si 1 conf)			7	X	
Indeplinire punctaj minim S				X	
Indeplinire punctaj minim P				X	
Indeplinire conditie punctaj minim C				X	

Director de proiect/membru la granturile de cercetare:

- Votul electronic securizat prin tehnologia blockchain- aplicabilitate în alegerile din cadrul universitatilor, ID 323, Proiecte Instituționale de cercetare cu impact în societate, ASE 2022

Situaţia îndeplinirii criteriilor

Criterii minime Abilitare	Punctaj obținut
S≥4	**40.96**
P≥2	**33,21**
C≥1.2	**7.75**

Semnătura

Data: 26.03.2024