Lista publicatii

1. Publicatii indexate in Web of Science - Jurnale

1. **Mursa, B.E.M.,** Andreica, A. (2024): Generating random complex networks with network motifs using evolutionary algorithm-based null model. Swarm and Evolutionary Computation, 86:101526 doi: https://doi.org/10.1016/j.swevo.2024.101526
(IF=10 on publication year 2024)
Rank A, 8 points

2. **Mursa, B.E.M.**, Andreica, A., Diosan, L. (2021): Network motifs: A key variable in the equation of dynamic flow between macro and micro layers in complex networks.
Knowledge-Based Systems, 213:106648 doi: https://doi.org/10.1016/j.knosys.2020.10664
(IF=8.66 on publication year 2021)
Rank A, 8 points

3. Mester, A., Pop, A., **Mursa, B.E.M.**, Greblă, H., Diosan, L., Chira, C. (2021). Network analysis based on important node selection and community detection. Mathe-matics, 9(18):2294 doi: https://doi.org/10.3390/math9182294
(IF=2.592 on publication year 2021)
Rank A, 2 points

2. Publicatii indexate Web of Science - Conference proceedings

4. **Mursa, B.E.M.**, Andreica, A., and Diosan, L. (2018): Parallel acceleration of subgraph enumeration in the process of network motif detection. In 2018 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), pages 191-198. Institute of Electrical and Electronics Engineers
doi: 10.1109/SYNASC.2018.0003

https://ieeexplore.ieee.org/document/8750719
(Index used = CORE2018)
Rank C, 2 points

5. **Mursa, B.E.M.**, Andreica, A., Diosan, L. (2019): Study of connection between articulation points and network motifs in complex networks. In Proceedings of the 27th European Conference on Information Systems (ECIS), 127. AIS eLibrary
https://aisel.aisnet.org/ecis2019_rp/127
(Index used = CORE2018)
Rank A, 8 points

6. **Mursa, B.E.M.**, Andreica, A., Diosan, L. (2019): An empirical analysis of the correlation between the motifs frequency and the topological properties of complex net-works. In Procedia Computer Science, 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES), volume 159, pages
333-341. Elsevier BV doi:
10.1016/j.procs.2019.09.188
https://www.sciencedirect.com/science/article/pii/S1877050919313705
(Index used = CORE2018)
Rank B, 4 points

7. **Mursa, B.E.M.,** Andreica, A., Diosan, L. (2019): Mining network motif discovery by learning techniques. In Proceedings of the Hybrid Artificial Intelligent Systems 16th International Conference (HAIS), pages 73-84, Cham. Springer International Publishing doi:
10.1007/978-3-030-29859-3_7
https://link.springer.com/chapter/10.1007/978-3-030-29859-3_7 (Index used = CORE2018)
Rank C, 2 points

8. Suciu, D.M., Pop, B. A., Urdea, R., **Mursa, B.E.M**. (2014): Non-intrusive Tongue Tracking and Its Applicability in Post-stroke Rehabilitation. In: Meersman, R., et al. On the Move to Meaningful Internet Systems: OTM 2014 Workshops. OTM 2014. Lecture Notes in Computer Science, vol 8842. Springer, Berlin, Heidelberg.
doi: https://doi.org/10.1007/978-3-662-45550-0_51
Rank D, 1 point

3. Publicatii indexate in BDI

9. **Mursa, B.E.M.** (2023): Examining the social behavior of ant colonies using Complex Networks. In Proceedings of the Studia Universitatis Babes-Bolyai Informatica, volume 67, pages 49-64.
https://www.cs.ubbcluj.ro/~studia-i/journal/journal/article/view/83 **Rank D, 1 point**

4. Prezentari

- **2018 September 20-23**: 20th International Symposium on Symbolic and
Numeric Algorithms for Scientific Computing (SYNASC)
- **2019 June 8-14:** 27th European Conference on Information Systems (ECIS) **- 2019 September 4-6:** 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES)
- **2019 September 4-6:** Hybrid Artificial Intelligent Systems 16th International
Conference (HAIS)

5. Teza de doctorat

TITLUL TEZEI DE DOCTORAT:

A tale of controllability: evolving network motifs in random Complex Networks (*O incursiune în controlabilitate: evoluția motivelor de rețea în rețele complexe aleatorii*)

DOMENIUL DE DOCTORAT:
Informatică

Susținerea publică: 15 DECEMBRIE 2023

6. Proiecte de cercetare

1.
Nume proiect: **EUH4DATA**
Referinta proiect: **78/08.04.2022**

An: **2023-2024**
Tip activitate: **Proiecte institutionale - categorie National (Programe de sustinere a cercetarii-competitivitatii-excelentei)**

2.
Nume proiect: **Tehnici competitive de analiza a retelelor complexe**
Referinta proiect: **12890/14.10.2021**
An: **2021**
Tip activitate: **Proiecte institutionale - categorie National (Programe de sustinere a cercetarii-competitivitatii-excelentei)**

3.
Nume proiect: **Tehnici competitive de analiza a datelor**
Referinta proiect: **1129888/25.11.2020**
An: **2020**
Tip activitate: **Proiecte institutionale - categorie National (Programe de sustinere a cercetarii-competitivitatii-excelentei)**