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Lista lucrărilor

A. Studii/articole publicate în reviste indexate ISI

1. S. Barburiceanu, S. Meza, B. Orza, R. Malutan, and R. Terebes – "Convolutional Neural Networks for Texture Feature Extraction. Applications to Leaf Disease Classification in Precision Agriculture," in IEEE Access (Q2), vol. 9, pp. 160085-160103, 2021, DOI: 10.1109/ACCESS.2021.3131002, WOS: 000728916800001, indexed in WOS and IEEE Xplore.
2. S. Barburiceanu, R. Terebes, S. Meza – 2021, "3D Texture Feature Extraction and Classification Using GLCM and LBP-Based Descriptors", Applied Sciences (Q2) 11, no. 5: 2332, DOI: 10.3390/app11052332, WOS:000627990600001, indexed in WOS and Scopus.

B. Studii/articole publicate în alte reviste recunoscute CNCSIS indexate în BDI

3. S. Barburiceanu, R. Terebes – „Plant Disease Classification Using Texture and Colour”, Acta Technica Napocensis Electronics and Telecommunications, vol.61, no.1, pp. 21-28, 2021, ISSN 1221-6542, indexed in ProQuest and EBSCO.
4. S. Barburiceanu, R. Terebes – “Feature Extraction Methods Based on Deep-Learning Approaches. Application To Automatic Diagnosis of Breast Cancer”, Acta Technica Napocensis Electronics and Telecommunications, vol. 62, no. 1, pp. 11-16, 2022, ISSN 1221-6542, indexed in ProQuest.
5. S. Barburiceanu, A. Miclea, R. Terebes – “Deep Learning Strategies Based on Fine-Tuning. Application to Medical Image Classification”, Acta Technica Napocensis Electronics and Telecommunications, vol. 62, no. 2, 2022, pp. 7-12, ISSN 1221-6542, indexed in ProQuest.

C. Studii/articole publicate în volume ale manifestărilor naționale sau internaționale indexate BDI

6. S. Barburiceanu, R. Terebes – “Automatic detection of melanoma by deep learning models-based feature extraction and fine-tuning strategy”, IOP Conference Series: Materials Science and Engineering, International Conference on Electromagnetic Fields, Signals and

BioMedical Engineering (ICEMS-BIOMED 2022), vol. 1254 012035, DOI: 10.1088/1757-899X/1254/1/012035, indexed in ProQuest.

7. S. Barburiceanu, R. Terebes and S. Meza – “Improved 3D Co-Occurrence Matrix for Texture Description and Classification”, International Symposium on Electronics and Telecommunications 2020 (ISETC), Timisoara, Romania, pp. 245-248, DOI: 10.1109/ISETC50328.2020.9301123, ISBN:978-1-7281-9514-8, WOS:000612681000059, indexed in IEEE Xplore, WOS, and Scopus.
8. S. Barburiceanu, R. Terebes and S. Meza – “Grape Leaf Disease Classification using LBP-derived Texture Operators and Colour”, 2020 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, 2020, pp. 1-6, DOI:10.1109/AQTR49680.2020.9130019, WOS:000643732600004, ISBN:978-1-7281-7167-8, indexed in IEEE Xplore, Scopus, and WOS.
9. S. Barburiceanu, R. Terebes, and S. Meza – “3D Texture Feature Extraction and Classification using the BM3DELBP approach”, 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, pp. 465-471, DOI: 10.1109/ICCP51029.2020.9266264, WOS: 000646618600059, ISBN:978-1-7281-9081-5, indexed in IEEE Xplore, Scopus and WOS.
10. S. Barburiceanu, R. Terebes, and S. Meza – “Hyperspectral Image Classification using the MRELBP Texture Descriptor”, 2019 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2019, pp. 1-6, DOI: 10.1109/EHB47216.2019.8969874, WOS:000558648300006, ISBN:978-1-7281-2604-3, indexed in IEEE Xplore, Scopus and WOS.
11. S. R. Barburiceanu, S. Meza, C. Germain, and R. Terebes – “An Improved Feature Extraction Method for Texture Classification with Increased Noise Robustness”, 2019 27th European Signal Processing Conference (EUSIPCO), A Coruna, Spain, 2019, pp. 1-5. DOI: 10.23919/EUSIPCO.2019.8902765, WOS:000604567700199, ISBN:978-1-5386-7300-3, indexed in IEEE Xplore, Scopus, DBLP, and WOS.
12. Raul Malutan, Andreia Valentina Miclea, Dan Tudor Oltean and Stefania Barburiceanu - “Data Analytics of Gait Monitoring from Parkinson's Disease Patients”, 2022 E-Health and Bioengineering Conference (EHB), in press.

D. Lucrări publicate în reviste cu referenți (neindexate ISI sau BDI)

13. S. Barburiceanu, “Texture classification system using mobile devices”, Novice Insights in Electronics and Telecommunications, Student Symposium on Electronics and Telecommunications UTCN, 2016, pp. 9-16, ISSN: 1842-6085.

14. S. Barburiceanu, P. Chiril, "Texture Classification using LBP descriptors and kNN", Novice Insights in Electronics and Telecommunications, Student Symposium on Electronics and Telecommunications UTCN, 2015, Issue 16, pp. 1-8, ISSN: 1842-6085.
15. S. Barburiceanu, R. Terebes – "Colour texture classification using improved noise robust LBP descriptors", Novice Insights in Electronics and Telecommunications, Student Symposium on Electronics and Telecommunications UTCN, 2019, pp. 105-106, ISSN: 1842-6085.
16. S. Barburiceanu, Poster – "Feature extraction methods for the classification of grape leaves", Agriculture and Food – current future challenges, AGRIFA, 22-23rd of October 2020, ISSN: 2784 – 0042.

E. Cărți

17. Monica Borda , Romulus Terebes , Raul Malutan , Ioana Ilea , Mihaela Cislariu , Andreia Miclea , Stefania Barburiceanu - "Randomness and Elements of Decision Theory Applied to Signals", Springer, 2021, Hardcover ISBN: 978-3-030-90313-8, Softcover ISBN: 978-3-030-90316-9, eBook ISBN: 978-3-030-90314-5, <https://doi.org/10.1007/978-3-030-90314-5>.