

## Listă de lucrări

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Teză de doctorat:

*Systems Based on Artificial Intelligence Algorithms for Automatic Processing of Medical Images*, Universitatea din Craiova, domeniul: Ingineria Sistemelor, conducător științific:

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### A. Lucrări în jurnale

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2. Marinela-Cristiana Urhuț, Larisa Daniela Săndulescu, Costin Teodor Streba, **Mădălin Mămuleanu**, Adriana Ciocâlțeu, Sergiu Marian Cazacu, Suzana Dănoiu, Diagnostic Performance of an Artificial Intelligence Model Based on Contrast-Enhanced Ultrasound in Patients with Liver Lesions: A Comparative Study with Clinicians, *Diagnostics* 2023, 13, 3387.  
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7. Albița Anca, Selișteanu Dan, **Mămuleanu Mădălin**, Monitoring, Recording and Diagnosis Designed Hardware Structure for a Data Acquisition Module Running in

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9. Butaru, A.E.; **Mămuleanu, M.**; Streba, C.T.; Doica, I.P.; Diculescu, M.M.; Gheonea, D.I.; Oancea, C.N. Resource Management through Artificial Intelligence in Screening Programs—Key for the Successful Elimination of Hepatitis C. *Diagnostics* 2022, 12, 346. <https://doi.org/10.3390/diagnostics12020346>, WOS:000764212800001, IF: 3.992, Q2

#### B. Lucrări publicate în conferințe

1. Lucian-Florentin Bărbulescu, Florentin-Alin Buțu, Mădălin-Lucian Mămuleanu, Virginia-Maria Rădulescu, On the computation of the Albedo force perturbation on Low Earth Orbit CubeSats, 2023 27th International Conference on System Theory, Control and Computing (ICSTCC), pp. 137-142, doi: 10.1109/ICSTCC59206.2023.10308502, IEEEXplore
2. **M. Mămuleanu**, C. Ionete, A. Albița and D. Selișteanu, "Distributed Deep Learning Model for Predicting the Risk of Diabetes, Trained on Imbalanced Dataset," 2022 23rd International Carpathian Control Conference (ICCC), Sinaia, Romania, 2022, pp. 315-318, doi: 10.1109/ICCC54292.2022.9805989, ISI Proc.
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