

#Doctoranzi Inginerie Geodezică - Articole OPEN ACCESS – WoS Q1 & Q2

- ✓ Dorobantu, G.I.; Badea, A.C. (2026). **LLM-Based Geospatial Assistant for WebGIS Public Service Applications**. AI 2026, 7, 64. <https://doi.org/10.3390/ai7020064>
- ✓ Dorobantu, G.I.; Badea, A.C. (2026). **Geospatial reasoning and awareness in large language models: a systematic review**, Artificial Intelligence Review, Springer Nature, 1573-7462, <https://doi.org/10.1007/s10462-026-11512-x>
- ✓ Ene, A.; Badea, A.C.; Badea, G.; Grădinaru, A.-P. (2026). **Development of Urban Digital Twins Using GIS and Game Engine Systems**. Land 2026, 15, 254. <https://doi.org/10.3390/land15020254>
- ✓ Oprea, R.-L.; Badea, A.C.; Badea, G. (2026). **Multi-Source 3D Documentation for Preserving Cultural Heritage**. Appl.Sci.2026, 16, 1834. <https://doi.org/10.3390/app16041834>
- ✓ Barbes, S.B.; Badea, A.C.; Iordache, V.(2026). **Monitoring Industrial VOC Emissions and Geospatial Analysis**. Environments 2026, 13, 41. <https://doi.org/10.3390/environments13010041>
- ✓ Bîscoveanu, O.M.; Badea, G.; Dragomir, P.I.; Badea, A.C. (2025). **Evaluation of LULC Use Classification for the Municipality of Deva, Hunedoara County, Romania Using Sentinel 2A Multispectral Satellite Imagery—A Comparative Study of GIS Software Analysis and Accuracy Assessment**. Appl. Sci. 2025, 15, 11437. <https://doi.org/10.3390/app152111437>
- ✓ Nan, V. A., Badea, G., Badea, A. C., & Grădinaru, A. P. (2025). **A Systematic Review of AI-Based Classifications Used in Agricultural Monitoring in the Context of Achieving the Sustainable Development Goals**. Sustainability, 17(19), 8526. <https://doi.org/10.3390/su17198526>
- ✓ Sestras, P., Badea, G., Badea, A.C., Salagean, T., Roșca, S., Kader, S., Remondino, F. (2025). **Land surveying with UAV photogrammetry and LiDAR for optimal building planning, Automation in Construction**, Volume 173, 2025, 106092, ISSN 0926-5805, <https://doi.org/10.1016/j.autcon.2025.106092>.
- ✓ Sestras, P., Badea, G., Badea, A.C., Salagean, T., Oniga, V.E., Roșca, S., Bilașco, S., Bruma, S., Spalević, V., Kader, S., Billi, P., Nedevschi, S. (2025). **A novel method for landslide deformation monitoring by fusing UAV photogrammetry and LiDAR data based on each sensor's mapping advantage in regards to terrain feature**, 0013-7952, Engineering Geology 346 (2025) 107890, <https://doi.org/10.1016/j.enggeo.2024.107890> WOS 001400390200001
- ✓ Grădinaru, A.P., Badea, A.C., Ene, A., Badea G. (2025). **The integration of geospatial analyses based on AI in GIS in the context of the “15-minute city” concept**. E3S Web of Conferences 608, 05008, EENVIRO 2024, DOI: <https://doi.org/10.1051/e3sconf/202560805008>
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- ✓ Cira, C I, Manso-Callejo, M A , Yokoya, N, Salagean, T, Badea, A C (2024). **Impact of Tile Size and Tile Overlap on the Prediction Performance of Convolutional Neural Networks Trained for Road Classification**, REMOTE SENSING, <https://doi.org/10.3390/rs16152818> WOS 001287047300001
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