Lista lucrări științifice

A. Articole științifice ca autor principal sau autor corespondent în reviste cu factor de impact

1. **Sandric, Ionut**, Zenaida Chitu, Viorel Ilinca, and Radu Irimia. "Using High-Resolution UAV Imagery and Artificial Intelligence to Detect and Map Landslide Cracks Automatically." Landslides, June 15, 2024. https://doi.org/10.1007/s10346-024-02295-9, ***IF 6.7, AIS 1.53***
2. Toma, Andrei, **Ionuț Șandric**, and Bogdan-Andrei Mihai. "Flooded Area Detection and Mapping from Sentinel-1 Imagery. Complementary Approaches and Comparative Performance Evaluation." European Journal of Remote Sensing 57, no. 1 (December 31, 2024): 2414004. https://doi.org/10.1080/22797254.2024.2414004, ***IF 3.7, AIS 0.7***
3. **Șandric, Ionuț**, Radu Irimia, Viorel Ilinca, Zenaida Chițu, and Ion Gheuca. "Using UAV Time Series to Estimate Landslides' Kinematics Uncertainties, Case Study: Chirlești Earthflow, Romania." Remote Sensing 15, no. 8 (April 19, 2023): 2161. https://doi.org/10.3390/rs15082161, ***IF 5.349, AIS 0.9180***
4. **Șandric, I**., Irimia, R., Petropoulos, G. P., Anand, A., Srivastava, P. K., Pleșoianu, A., Faraslis, I., Stateras, D., & Kalivas, D. (2022). Tree's detection & health's assessment from ultra-high resolution UAV imagery and deep learning. Geocarto International, 1–21. https://doi.org/10.1080/10106049.2022.2036824, ***IF 4.8890, AIS 0.6510***
5. Ilinca, V., **Șandric, I**., Chițu, Z., Irimia, R., & Gheuca, I. (2022). UAV applications to assess short-term dynamics of slow-moving landslides under dense forest cover. Landslides. https://doi.org/10.1007/s10346-022-01877-9, ***IF 6.5780, AIS 1.2360***
6. Ilinca, V., **Şandric, I**., Jurchescu, M., & Chiţu, Z. (2021). Identifying the role of structural and lithological control of landslides using TOBIA and Weight of Evidence: case studies from Romania. Landslides. https://doi.org/10.1007/s10346-021-01749-8, ***IF 6.5780, AIS 1.2360***
7. **Sandric, I**., Ionita, C., Chitu, Z., Dardala, M., Irimia, R., & Furtuna, F. T. (2019). Using CUDA to accelerate uncertainty propagation modelling for landslide susceptibility assessment. Environmental Modelling & Software, 115, 176–186. https://doi.org/10.1016/j.envsoft.2019.02.016, ***IF 4.1770, AIS 1.1560***
8. **Şandric, I**., Satmari, A., Zaharia, C., Petrovici, M., Cîmpean, M., Battes, K.-P., David, D.-C., Pacioglu, O., Weiperth, A., Gál, B., Pîrvu, M., Muntean, H., Neagul, M., Spătaru, A., Toma, C. G., & Pârvulescu, L. (2019). Integrating catchment land cover data to remotely assess freshwater quality: a step forward in heterogeneity analysis of river networks. Aquatic Sciences, 81(2), 26. https://doi.org/10.1007/s00027-019-0624-5, ***IF 3.6220, AIS 0.8390***
9. **Ionuț Șandric**, Zenaida Chițu,Bogdan Mihai &Ionut Săvulescu, 2011, Landslide Susceptibility for the Administrative Area of Breaza, Prahova County, Curvature Subcarpathians, România https://doi.org/10.4113/jom.2011.1168, ***IF 0.2960, AIS 0.1550***
10. **Sandric, I**., Chitu, Z., 2009, Landslides inventory for the administrative area of Breaza town, Curvature Subcarpathians, Romania, Journal of Maps, ISSN 1744-5647 https://doi.org/10.4113/jom.2009.1051, ***IF 0.9350, AIS 0.1350***

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3. Sandric, Ionut, Chitu, Zenaida, 2013, Landsat Time Series Analysis for Modelling Temporal Probability for Landslide Occurrences in Curvature Subcarpathians, Romania http://www.austriaca.at/0xc1aa5576_0x0032b45f.pdf , indexat ISI, https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000346201100024
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C. Articole științifice ca și co-autor în reviste cu factor de impact

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2. Măntoiu, Dragoş Ştefan, Ionuţ Cornel Mirea, Ionuţ Cosmin Şandric, Alina Georgiana Cîşlariu, Iulian Gherghel, Silviu Constantin, and Oana Teodora Moldovan. “Bat Dynamics Modelling as a Tool for Conservation Management in Subterranean Environments.” Edited by Heike Lutermann. PLOS ONE 17, no. 10 (October 20, 2022): e0275984, https://doi.org/10.1371/journal.pone.0275984
3. Popa, Ana Maria, Diana Andreea Onose, Ionut Cosmin Sandric, Evangelos A. Dosiadis, George P. Petropoulos, Athanasios Alexandru Gavrilidis, and Antigoni Faka. “Using GEOBIA and Vegetation Indices to Assess Small Urban Green Areas in Two Climatic Regions.” Remote Sensing 14, no. 19 (September 30, 2022): 4888. https://doi.org/10.3390/rs14194888
4. Howells, O. D., Petropoulos, G. P., Srivastava, P. K., Triantakonstantis, D., & Sandric, I. (2021). Exploring the potential of SCAT-SAR SWI for soil moisture retrievals at selected COSMOS-UK sites. International Journal of Remote Sensing, 42(23), 9155–9169. https://doi.org/10.1080/01431161.2021.1988185
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7. Cheval, S., Popa, A.-M., Șandric, I., & Iojă, I.-C. (2020). Exploratory analysis of cooling effect of urban lakes on land surface temperature in Bucharest (Romania) using Landsat imagery. Urban Climate, 34. https://doi.org/10.1016/j.uclim.2020.100696
8. Petropoulos, G. P., Sandric, I., Hristopulos, D., Nahum Carlson, T., Carlson, T. N., & Nahum Carlson, T. (2020). Evaporative Fluxes and Surface Soil Moisture Retrievals in a Mediterranean Setting from Sentinel-3 and the "Simplified Triangle." Remote Sensing, 12(19), 3192. https://doi.org/10.3390/rs12193192
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11. Cârlan, I., Haase, D., Große-Stoltenberg, A., & Sandric, I. (2020). Mapping heat and traffic stress of urban park vegetation based on satellite imagery - A comparison of Bucharest, Romania and Leipzig, Germany. Urban Ecosystems, 23(2), 363–377. https://doi.org/10.1007/s11252-019-00916-z
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13. Mihai, B., Savulescu, I., Sandric, I., & Chitu, Z. (2014). Integration of landslide susceptibility assessment in urban development: a case study in Predeal town, Romanian Carpathians. Area, 46(4), 377–388. https://doi.org/10.1111/area.12123

D. Articole științifice ca și co-autor indexate în baze de date internaționale

1. Drăgușin, V., Tîrlă, L., Covaliov, S., Cruceru, N., Mirea, I. C., & Șandric, I. (2021). The unique topography from Obanul Mare (Mangalia, SE Romania): remnant of a maze cave. Géomorphologie : Relief, Processus, Environnement, 27(3), 221–229. https://doi.org/10.4000/geomorphologie.15794
2. Carlan Irina, Sandric Ionut (2020), The use of a field spectrometer and satellite imagery for identifying stressed vegetation in bucharest, romania. (n.d.). International Journal of Conservation Science . 2020, Vol. 11 Issue 1, p125-132. 8p, indexat EBSCO și ISI
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E. Capitole publicate ca și co-autor în cărți editate de edituri internaționale

1. Șandric, Ionuț, Radu Irimia, George P. Petropoulos, Dimitrios Stateras, Dionissios Kalivas, and Alin Pleșoianu. "Drone Imagery in Support of Orchards Trees Vegetation Assessment Based on Spectral Indices and Deep Learning," 233–48, 2022. https://doi.org/10.1007/978-3-030-84144-7_9
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4. Măntoiu, D. Ş. D. S., Nistorescu, M. C., Șandric, I. C., Mirea, I. C. I. C., Hăgatiș, A., Stanciu, E., Șandric, I. C., Mirea, I. C. I. C., Hăgătiş, A., & Stanciu, E. (2016). Wilderness Areas in Romania: A Case Study on the South Western Carpathians. In S. J. Carver & S. Fritz (Eds.), Mapping Wilderness (pp. 145–156). Springer Netherlands. https://doi.org/10.1007/978-94-017-7399-7_10
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F. Cărți editare la edituri internationale

1. Șandric Ionuț, Viorel Ilinca, Zenaida Chitu, Earth Observation Applications to Landslide Mapping, Monitoring and Modeling-Cutting-edge Approaches with Artificial Intelligence, Aerial and Satellite Imagery, editura Elsevier, 2024, ISBN: 978-0-12-823868-4, https://www.sciencedirect.com/book/9780128238684/earth-observation-applications-to-landslide-mapping-monitoring-and-modeling

G. Cărți publicate ca autor principal sau unic autor la edituri naționale

1. Șandric Ionuț, Sistem informaţional geografic temporal pentru evaluarea hazardurilor naturale : o abordare bayesiană cu propagare a erorilor, editura CD Press, 2022, ISBN: 978-606-528-596-5 https://drive.google.com/file/d/1wGhlw1zZV_xu-g_8H_vZHgsLufYVz5so/view?usp=sharing

2. Șandric Ionuț, Statistică aplicată în geoştiinţe : o introducere în statistică non-spaţială şi spaţială cu R, editura CD Press, 2021, ISBN: 978-606-528-594-1, https://drive.google.com/file/d/1wGhlw1zZV_xu-g_8H_vZHgsLufYVz5so/view?usp=sharing

H. Cărți publicate ca si co-autor la edituri naționale

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