Conf. Univ. Dr.

Andrei Dornik

LISTA DE LUCRĂRI ȘTIINȚIFICE

Articole în Web of Science

1. **Dornik A.**, Cheţan M-A., Crişan T.E., Heciko R., Gora A., Drăguţ L., Panagos P., 2024, *Geospatial evaluation of the agricultural suitability and land use compatibility in Europe's temperate continental climate region,* ***International Soil and Water Conservation Research*** (IF 7.3; AIS 1.509; **Q1**), https://doi.org/10.1016/j.iswcr.2024.01.002
2. **Dornik A.**, Cheţan M-A., Drăguţ L., Iliuţă A., Dicu D.D., 2022, *Importance of the mapping unit on the land suitability assessment for agriculture*, ***Computers and Electronics in Agriculture*** (IF 8.3; AIS 1.051; **Q1;** Rank **1/58** in AGRICULTURE, MULTIDISCIPLINARY), 201: 107305, https://doi.org/10.1016/j.compag.2022.107305
3. **Dornik A.**, Cheţan M-A., Drăguţ L., Dicu D.D., Iliuţă A., 2022, ***Optimal scaling of predictors for digital mapping of soil properties***, ***Geoderma*** (IF 6.1; AIS 1.222; **Q1**), 405:115453, 10.1016/j.geoderma.2021.115453
4. **Dornik A.**, Drăguţ L., Oguchi T., Hayakawa Y., Micu M., 2022, *Influence of sampling design on landslide susceptibility modeling in lithologically heterogeneous areas*, ***Scientific Reports*** (IF 4.6; AIS 1.132; **Q2**), 12:2106, https://doi.org/10.1038/s41598-022-06257-w
5. **Dornik A.**, Ion M. C., Cheţan M-A., Pârvulescu L., 2021, *Soil-Related Predictors for Distribution Modelling of Four European Crayfish Species*, ***Water*** (IF 3.53; AIS 0.523; **Q3**), 13:16, 2280, https://doi.org/10.3390/w13162280
6. Cheţan, M-A., **Dornik, A.**, 2021, *20 years of landscape dynamics within the world's largest multinational network of protected areas*, ***Journal of Environmental Management*** (IF 8.910; AIS 1.115; **Q1**), 280, 111712, https://doi.org/10.1016/j.jenvman.2020.111712
7. Cheţan, M-A., **Dornik, A.**, Ardelean, F., Georgievski, G., Hagemann, S., Romanovsky, V.E., Onaca, A., Drozdov, D.S., 2020, *35 Years of Vegetation and Lake Dynamics in the Pechora Catchment, Russian European Arctic*, ***Remote Sensing*** (IF 4.848; AIS 0.933; **Q1**), 12:11, 1863, https://doi.org/10.3390/rs12111863
8. Ardelean, F., Onaca, A., Cheţan, M-A., **Dornik, A.**, Georgievski, G., Hagemann, S., Timofte, F., Berzescu, O., 2020, *Assessment of Spatio-Temporal Landscape Changes from VHR Images in Three Different Permafrost Areas in the Western Russian Arctic*, ***Remote Sensing*** (IF 4.848; AIS 0.933; **Q1**), 12:23, 3999, https://doi.org/10.3390/rs12233999
9. **Dornik, A.**, Drăguţ, L., Urdea, P., 2018, *Classification of Soil Types Using Geographic Object-Based Image Analysis and Random Forest*, ***Pedosphere*** (IF 3.188; AIS 0.559; **Q2**), 28:6, 913-925, https://doi.org/10.1016/S1002-0160(17)60377-1
10. Cheţan, M-A., **Dornik, A.**, Urdea, P., 2018, *Analysis of recent changes in natural habitat types in the Apuseni Mountains (Romania), using multi-temporal Landsat satellite imagery (1986–2015)*, ***Applied Geography*** (IF 3.068; AIS 0.859; **Q1**), 97, 161-175, https://doi.org/10.1016/j.apgeog.2018.06.007
11. **Dornik, A.**, Drăguţ, L., Urdea, P., 2016, *Knowledge-based soil type classification using terrain segmentation*, ***Soil Research*** (IF 1.606; AIS 0.455; **Q3**), 54:7, 809-823, https://doi.org/10.1071/SR15210
12. Drăguţ, L., **Dornik, A.**, 2016, *Land-surface segmentation as a method to create strata for spatial sampling and its potential for digital soil mapping*, ***International Journal of***

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1. **Dornik, A.**, 2017, Analiza geografică orientată-obiect pentru cartografierea digitală a solurilor în sud-vestul României, *Editura Universităţii de Vest*, ISBN: 978-973-125-566-8, 214 p.

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1. Cheţan, M., A., **Dornik, A.**, Urdea, P., 2017, Comparison of Object and Pixel-based Land Cover Classification through three Supervised Methods, *ZFV - Zeitschrift fur Geodasie, Geoinformation und Landmanagement*, 142(5):265, **DOI**: 10.12902/zfv-0165-2017
2. **Dornik A.**, Draguț L., Chetan M. A., Oguchi T., Hayakawa Y., Micu M., 2021, Towards a consistent set of land-surface variables for landslide modelling, *Extended abstract, Geomorphometry Conference Proceedings*, Perugia, Italy, DOI: 10.30437/GEOMORPHOMETRY2020_44
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2. **Dornik A.**, Cheţan M.A., Crişan T.E., Heciko R., Gora A., Drăguţ L., Panagos P., 2023, Mapping land suitability for agriculture in Europe's humid continental climate, *Wageningen Soil Conference 2023*, August 28 - September 1, Wageningen, the Netherlands
3. **Dornik A.**, Cheţan M.A., Drăguţ L., Iliuţă A., Dicu D.D., 2023, Digital mapping of soil properties with optimally scaled predictors, *European Geosciences Union 2023*, 23-28.04.2023, Vienna, Austria
4. **Dornik A.**, Cheţan M.A., Drăguţ L., Iliuţă A., Dicu D.D., 2023, Delineation of mapping units for land suitability assessment using land-surface parameters, *Geomorphometry2023*, July 10 – 14, Iasi, Romania
5. Oguchi T., Dragut L., Hayakawa Y.S., Micu M., **Dornik A.**, Sirbu F., Iizuka K., Ionita A., Lungu M., Kasai M., Chetan M., 2023, Japan–Romania collaborative research on landslides and terrain analysis, *Regional Conference on Geomorphology Cappadocia,* 12-14 September 2023
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9. **Dornik A.**, Cheţan M.A., Drăguţ L., Iliuţă A., Dicu D.D., 2021, Optimal Scaling of Predictors for Digital Mapping of Soil Properties, *The Thirteenth International Conference on Advanced Geographic Information Systems, Applications, and Services, GEOProcessing 2021*, July 18-22, Nice, France

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11. Chetan M, **Dornik A**, 2020, Analysis of human impact within Natura 2000 protected areas using remote sensing data, *SPIE Remote Sensing Digital Forum 2020*, 21 - 25 September 2020
12. Ardelean F., Onaca A., **Dornik A.**, Cheţan M., 2020, Assessment of spatio-temporal landscape changes from VHR satellite images in three different permafrost areas from West Siberia, *22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*, Timișoara, 01-04.09.2020
13. **Dornik A.,** Drăguț L., Oguchi T., Hayakawa Y., Micu M., 2020, Altitude as an indicator of biased sampling design in landslide prediction, *EGU2020: Sharing Geoscience Online*, 04-08.05.2020
14. Cheţan M., **Dornik A.**, 2020, 20 years of forest change in Natura 2000 protected areas network, *EGU2020: Sharing Geoscience Online*, 04-08.05.2020
15. Ardelean F., Cheţan M., **Dornik A.**, Onaca A., Georgievski G., Drozdov D., Romanovsky V., Hagemann S., Nicolsky D., Sein D., 2020, Recent landscape changes assessed by remotely sensed data in Pechora Region, *EGU2020: Sharing Geoscience Online*, 04-08.05.2020
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25. **Dornik, A.**, 2016, A new methodology for digital soil mapping using geographic object-based image analysis and Random Forests, *European Society for Soil Conservation Conference "Soil - Our Common Future"*, June 15-18, Cluj-Napoca, Romania.

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