

## LUCRĂRI PUBLICATE

Asist. cercet. dr. Chețan Marinela-Adriana

**Lucrări relevante pentru realizările profesionale proprii și pentru domeniul disciplinelor postului**

**Articole ISI**

1. Dornik A., **Chețan M-A.**, Crișan T.E., Heciko R., Gora A., Drăguț 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 6.4; AIS 1.177; **Q1**), <https://doi.org/10.1016/j.iswcr.2024.01.002>
2. Dornik A., **Chețan M-A.**, Drăguț L., Iliuță 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 1.049; **Q1**; Rank **1/58** in AGRICULTURE, MULTIDISCIPLINARY), 201: 107305, <https://doi.org/10.1016/j.compag.2022.107305>
3. Dornik A., **Chețan M-A.**, Drăguț L., Dicu D.D., Iliuță A., 2022, *Optimal scaling of predictors for digital mapping of soil properties*, **Geoderma** (IF 6.114; AIS **1.221**; **Q1**), 405:115453, DOI: [10.1016/j.geoderma.2021.115453](https://doi.org/10.1016/j.geoderma.2021.115453)
4. Dornik A., Ion M. C., **Chețan M-A.**, Pârvulescu L., 2021, *Soil-Related Predictors for Distribution Modelling of Four European Crayfish Species*, **Water** (IF 3.53; AIS **0.523**; **Q2**), 13:16, 2280, <https://doi.org/10.3390/w13162280>
5. **Chețan, 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>
6. **Chețan, 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>
7. Ardelean, F., Onaca, A., **Chețan, 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>
8. **Chețan, 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>

**Articole BDI**

1. **Chețan, M., A.**, Dornik, A., Urdea, P., 2017, Comparison of Object and Pixel-based Land Cover Classification through three Supervised Methods, *ZfV - Zeitschrift für Geodäsie, Geoinformation und Landmanagement*, 142(5):265, DOI: [10.12902/zfv-0165-2017](https://doi.org/10.12902/zfv-0165-2017)

## Titlul tezei de doctorat:

Analiza schimbărilor tipurilor de habitat în siturile Natura 2000 Munții Apuseni-Vlădeasa, Defileul Mureșului Inferior-Dealurile Lipovei și Drocea-Zarand, între 1986 și 2015

## Lista cărților

1. **Chețan, M-A.**, 2021, Analiza schimbărilor tipurilor de habitat în siturile Natura 2000 Munții Apuseni-Vlădeasa, Defileul Mureșului Inferior-Dealurile Lipovei și Drocea-Zarand, între 1986 și 2015, *Editura Universității de Vest*, ISBN 978-973-125-862-1, 185 p.

## Lucrări comunicate la conferințe

1. Dornik A., **Chețan M.A.**, Crișan T.E., Heciko R., Gora A., Drăguț L., Panagos P., 2024, Assessing environmental limitations of agricultural suitability in Europe's temperate continental climate region: a geospatial evaluation, *ESA Symposium on Earth Observation for Soil Protection and Restoration*, 6-7 March 2024, Frascati, Italy
2. Dornik A., **Chețan M.A.**, Crișan T.E., Heciko R., Gora A., Drăguț L., Panagos P., 2023, Mapping land suitability for agriculture in Europe's humid continental climate, *Wageningen Soil Conference 2023*, August 28 - September 1, 2023, Wageningen, Netherlands
3. Dornik A., **Chețan M.A.**, Dragut L., Iliuță A., Dicu D., Delineation of mapping units for land suitability assessment using land-surface parameters, *Geomorphometry2023*, July 10 – 14, 2023, Iasi, Romania
4. Dornik A., **Chețan M.A.**, Drăguț L., Iliuță A., Dicu D.D., 2023, Digital mapping of soil properties with optimally scaled predictors, *European Geosciences Union 2023*, 23-28.04.2023, Vienna, Austria
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
6. Dornik A., **Chețan M.A.**, Drăguț L., Dicu D.D., Iliuță A., 2022, Digital rating of land suitability to crops and land use in Romania, *22nd World Congress of Soil Science (WCSS 2022)*, 31 July – 5 August 2022, Glasgow, UK
7. Dornik A., **Chețan M.A.**, Drăguț L., Iliuță A., Dicu D.D., 2022, Geographic Object-Based Image Analysis to delineate mapping units for land suitability assessment, *The Fourteenth International Conference on Advanced Geographic Information Systems, Applications, and Services - GEOProcessing 2022*, June 26-30, Porto, Portugal
8. Dornik A., **Chețan M.A.**, Drăguț L., Dicu D.D., Iliuță A., 2021, Importance of multiscale predictors for digital mapping of soil properties, *THE 2nd INTERNATIONAL CONFERENCE: GEOGRAPHICAL SCIENCES AND FUTURE OF EARTH, GeoEarth 2021*, November 22, Bucharest, Romania
9. Dornik A., **Chețan M.A.**, Drăguț L., Iliuță 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

10. Dornik A., Draguț L., **Chetan M. A.**, Oguchi T., Hayakawa Y., Micu M., 2020, Towards a consistent set of land-surface variables for landslide modelling, *Extended abstract, Geomorphometry Conference Proceedings*, Perugia, Italy, DOI: [10.30437/GEOMORPHOMETRY2020\\_44](https://doi.org/10.30437/GEOMORPHOMETRY2020_44)
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., **Chetan 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. **Chetan M.**, Dornik A., 2020, 20 years of forest change in Natura 2000 protected areas network, *EGU2020: Sharing Geoscience Online*, 04-08.05.2020
14. Ardelean F., **Chetan 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
15. Georgievski G., Hagemann S., Sein D., Drozdov D., Gravis A., Romanovsky V., Nicolsky D., Onaca A., Ardelean F., **Chetan M.**, Dornik A., 2020, Climate extremes relevant for permafrost degradation, *EGU2020: Sharing Geoscience Online*, 04-08.05.2020
16. Ardelean, F., Dornik, A., **Chetan, M.**, Onaca, A., 2019, Assessment of recent vegetation changes in permafrost areas from West Siberia using Google Earth Engine, *"Geographia Napocensis" Conference*, Cluj-Napoca, Romania, 03-06.10.2019
17. **Chetan, M.**, Ardelean, F., Dornik, A., Onaca, A., Berzescu, O., Hegyi, A., 2019, Assessing landscape changes using Google Earth Engine in different permafrost areas from West Siberia, *21st International Symposium on Symbolic and Numerical Algorithms for Scientific Computing (SYNASC)*, Timișoara, 04-07.09.2019
18. Onaca, A., Ardelean, F., **Chetan, M.**, Dornik, A., Hegyi, A., Urdea, P., 2019, Quantifying recent landscape changes using multi-temporal satellite images in permafrost areas from Western Siberia, *17th International Symposium on Geo-disaster Reduction*, 19-23.08.2019, Issyk Kul, Kyrgyzstan
19. Dornik A., **Chetan M.**, Drăguț L., Cacovean H., 2019, A geographic information system for assessing the suitability of Romanian land to crops and land use, *United Nations/Romania International Conference on Space Solutions for Sustainable Agriculture and Precision Farming*, Cluj-Napoca, Romania, 06-10 May
20. Ion M., **Chetan M.**, Dornik A., Pârvulescu L., 2018, Are Soil Properties Good Predictors in Distribution Modelling for Three European Crayfish?, *International Association of Astacology (IAA) 22th Symposium*, Pittsburgh, USA, 9-13 July
21. Dornik A., **Chetan, M.A.**, 2018, Soil type mapping using geographic object-based image analysis, *Soil Classification and Education Conference*, Toruń, Poland, 18-20 May
22. **Chetan, M.A.**, Dornik, A., 2017, Recent changes of habitat types in the Natura 2000 site Apuseni-Vlădeasa Mountains, *3rd Workshop on Geoinformatics, 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2017)*, September 21 – 24, Timisoara, Romania.