

Lista celor 10 articole reprezentative

1. **Roșca Sanda**, Ceuca V., *Application of GIS technology to assess the environmental suitability for Rupicapra rupicapra in romanian carpathians*, Geographia Technica, 18(2): 196-212, DOI: 10.21163/GT_2023.182.15. (Impact Factor 0.7).
2. **Roșca Sanda**, Simonca Vasile, Bilasco Stefan, Vescan Iuliu, Fodorean Ioan, Petrea Danut-Petru, *The Assessment of Favourability and Spatio-Temporal Dynamics of Pinus Mugo in the Romanian Carpathians Using GIS Technology and Landsat Images*, 2019, Sustainability, 11: 1-30, 10.3390/su11133678 (Impact Factor 2,597).
3. **Roșca Sanda**, Ștefan Bilașco, Ioan Păcurar, Dorel Colniță, Ioan Fodorean, Iuliu Vescan, Dănuț Petrea & Horea Păcurar, 2017, *Quantitative evaluation of forest favourability using GIS database in a hill area in the Transylvania Depression*, Romania, GEOMATICS, NATURAL HAZARDS AND RISK, 1-22, <https://doi.org/10.1080/19475705.2017.1401012> (Impact factor 1,701).
4. **Roșca Sanda**, Bilașco Ștefan, Petrea Dănuț, Fodorean Ioan, Vescan Iuliu & Filip Sorin, 2015, *Application of landslide hazard scenarios at annual scale in the Niraj River basin (Transylvania Depression, Romania)*, Natural Hazards, 77: 1573-1592, DOI 10.1007/s11069-015-1665-2 (Impact Factor 1.719).
5. **Roșca Sanda**, Bilașco Ștefan, Petrea Dănuț, Vescan Iuliu, Fodorean Ioan, 2016, *Comparative assessment of landslide susceptibility. Case study: the Niraj river basin (Transylvania depression, Romania)*, Geomatics Natural Hazards and Risk, 7 (3): 1043-1064, DOI 10.1080/19475705.2015.1030784 (Impact Factor 1.310).
6. **Roșca Sanda**, Ștefan, Bilașco, Păcurar, I., Oncu, M., Negrușier, C., Petrea, D., 2015, *Land Capability Classification for Crop and Fruit Product Assessment Using GIS Technology. Case Study: The Niraj River Basin (Transylvania Depression, Romania)*, Not Bot Horti Agrobo, 2015, 43(1):235-242. DOI: 10.15835/nbha4319860 (Impact Factor 0.476).
7. Brejea R, Boroș M, **Roșca S**, Traian JE, Budău R, Borza IM, Păcurar I. *Bioremediation of Oil Contaminated Soil and Restoration of Land Historically Polluted with Oil Products in the Agricultural Circuit in the Plain and Western Hills, Romania*. Applied Sciences. 2023; 13(18):10245. <https://doi.org/10.3390/app131810245> (Impact Factor 2.7).
8. Sestrás P., Sevastel M., **Roșca S.**, Bilasco St., Salagean T., Dragomir L. O., Herbei, M., Bruma S., Sabou C., Markovic' R., Shuraik K., 2023, *GIS based soil erosion assessment using the USLE model for efficient land management: A case study in an area with diverse pedo-geomorphological and bioclimatic characteristics*, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, 51(3): DOI: 10.15835/nbha51313263. (Impact Factor 1.8).
9. Dănilă G, Cătănoiu S, Simioniu V, **Roșca S**. *The Reintroduction Analysis of European Bison (Bison bonasus L., 1758) in the North of Romania and the Identification of the Most Favourable Locations*. Forests. 2022; 13(6):920. <https://doi.org/10.3390/fl3060920> (Impact Factor 2.9).
10. Hysa, Artan, Velibor Spalevic, Branislav Dedic, **Sanda Roșca**, Alban Kuriqi, Ștefan Bilașco, and Paul Sestrás. 2021. *Utilizing the Available Open-Source Remotely Sensed Data in Assessing the Wildfire Ignition and Spread Capacities of Vegetated Surfaces in Romania*, Remote Sensing 13, no. 14: 2737. <https://doi.org/10.3390/rs13142737> (Impact Factor 4.848).