ANEXA 2

STANDARDE MINIMALE PE DOMENII PENTRU

FUNCȚII DE CERCETARE ALE UNIVERSITĂŢII

– perioadă determinată –

Domeniul fundamentale de cercetare	**FUNCȚIA DE CERCETARE** **ASISTENT DE CERCETARE (ACS)**
Matematică și științe ale naturii	- 2 articole ştiinţifice publicate in extenso în reviste internaţionale **Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact** **1.** Enea, A., Urzică, A., & Breabăn I.G., (2018). *Remote sensing, GIS and HEC-RAS techniques, applied for flood extent validation, based on Landsat imagery, LiDAR and hydrological data. Case study: Bașeu River*, Romania. Journal of Environmental Protection and Ecology, 19(3), 1091-1101. [IF 0.692]. **2.** Stoleriu, C.C., Urzică, A., & Mihu-Pintilie, A. (2020), *Improving flood risk map accuracy using high-density LiDAR data and the HEC-RAS river analysis system: A case study from north-eastern Romania*. Journal of Flood Risk Management, 13, e12572, https://doi.org/10.1111/jfr3.12572, [IF 3.066]. **3.** Huţanu, E., Mihu-Pintilie, A., Urzică, A., Paveluc, L.E., Stoleriu, C.C., & Grozavu, A. (2020). *Using 1D HEC-RAS Modeling and LiDAR Data to Improve Flood Hazard Maps Accuracy: A Case Study from Jijia Floodplain (NE Romania)*. Water, 12, 1624, https://doi.org/10.3390/w12061624, [IF 2.544]. **4.** Urzică, A., Mihu-Pintilie, A., Stoleriu, C.C., Cîmpianu, C.I., Huţanu, E., Pricop, C.I. & Grozavu, A., (2021). *Using 2D HEC-RAS Modeling and Embankment Dam Break Scenario for Assessing the Flood Control Capacity of a Multi-Reservoir System (NE Romania).* Water, 13(1), 57, https://doi.org/10.3390/w13010057, [IF 2.544]. **5.** Urzică, A., Grozavu, A., (2021). *Flood hazard assessment in the joint floodplain sector of Baseu and Prut rivers (NE Romania) by reconstructing historical flood events*. Carpathian Journal of Earth and Environmental Sciences, 16(2) 275-286, DOI:10.26471/cjees/2021/016/173 [IF 1,347]. **6.** Cîmpianu, C.I., Mihu-Pintilie, A., Stoleriu, C.C., Urzică, A., Huţanu, E., (2021). *Managing Flood Hazard in a Complex Cross-Border Region Using Sentinel-1 SAR and Sentinel-2 Optical Data: A Case Study from Prut River Basin (NE Romania).* Remote Sensing, 13(23), 4934, https://doi.org/10.3390/rs13234934 [IF 4,848].

Articole ştiinţifice publicate in extenso în reviste indexate
fără factor de impact

1. Urzică, A., Mihu-Pintilie, A., Huțanu, E., Ghindăoanu, V.B., Albu, L.M., (2018). Using GIS methods for modelling exceptional flood events in Baseu river basin, NE Romania. Geobalcanica 4th International Scientific Conference, 15-16 may 2018, Ohrid, Republic of Macedonia, pp. 463 – 471, http://dx.doi.org/10.18509/GBP.2018.51
2. Huțanu, H., Mihu-Pintilie, A., Urzică, A., (2018). The use of GIS techniques for obtaining potentially floodable surfaces in the jijia floodplain. Geobalcanica 4th International Scientific Conference, 15-16 may 2018, Ohrid, Republic of Macedonia, pp. 473 – 480, http://dx.doi.org/10.18509/GBP.2018.52.
3. Ghindăoanu, V.B., Huțanu, E., Urzică, A., (2018). The GIS modeling of the terrain favorability for the placement of constructions in the areas with hydro-geomorphological risk. Geobalcanica 4th International Scientific Conference, 15-16 mai 2018, Ohrid Republic of Macedonia, pp. 22 – 30. http://dx.doi.org/10.18509/GBP.2018.03.
4. Enea, A., Albu, LM., Iosub, M., Urzică, A., (2018). Comparative,multi-parameter modelling, at a basinal and sub-basinal level, for flood vulnerability, in Tecucel watershed. Geobalcanica 4th International Scientific Conference, 15-16 mai 2018, Ohrid, Republic of Macedonia, pp. 549 – 480, http://dx.doi.org/10.18509/GBP.2018.60.
5. Huțanu, E., Urzică A., Enea, E., (2018). Evaluation of damages caused by flood, based on satellite images. Case study: Jijia River, Slobozia-Dângeni Sector, July 2010. Present Environment and Sustainable Development, 12(2), 135-146, doi:10.2478/pesd-2018-0035.
6. Enea, A., Iosub, M., Albu, L.M., Urzică, A., Stoleriu, P.A., (2019). Multi-criterial GIS analysis for identifying optimum location for vineyeard placement. Case Study: Moldova Region, Romania. 19th International Multidisciplinary Scientific GeoConference SGEM, Albena, https://doi.org/10.5593/sgem2019/2.2.
7. Urzică, A., Huțanu, E., Mihu-Pintilie, A., Stoleriu, C.C., (2019). Using HEC-RAS software to analyze 6 parameters regarding the manifestation of flood events. A case study of Bașeu River lowland, NE Romania. Geobalcanica 5th International Scientific Conference, 13-14 june, Sofia, Republic of Bulgaria, http://dx.doi.org/10.18509/GBP.2019.75.
8. Huțanu, E., Urzică, A., Paveluc, L.E., Stoleriu, C.C., Grozavu, A., (2019). Comparative analyis of flooded area using satellite images Landsat 7-ETM+ and hydrauliic model HEC-RAS. Case Study: The Jijia River, Slobozia-Dîngeni Section. Geobalcanica 5th International Scientific Conference, 13-14 june, Sofia, Republic of Bulgaria, http://dx.doi.org/10.18509/GBP.2019.72.
9. Șorea, I., Stoleriu, C.C., Ursu, A., Urzică, A., (2019). Assessment of the population exposed to road generated traffic noise. Case Study: Vaslui town, Romania. Geobalcanica 5th International Scientific Conference, 13-14 june, Sofia, Republic of Bulgaria, http://dx.doi.org/10.18509/GBP.2019.71.
10. Urzică, A., Huțanu, E., Mihu-Pintilie, A., Stoleriu C.C., (2019). Dam break analysis using HEC-RAS tecniques. Case study: Cal Alb dam (NE Romania). 16th International Conference on Environmental Science and Technology, 4-7 September, Rhodes, Greece, https://cest2019.gnest.org/sites/default/files/presentation_file_list/cest2019_00299_posterf_paper.pdf.
11. Huțanu, E., Urzică, A., Paveluc, L.E., Stoleriu, C.C., Grozavu, A., (2019). The role of hydro-technical works in diminishing flooded areas. Case study: the June 1985 flood on the Miletin River. 16th International Conference on Environmental Science and Technology, 4-7 September, Rhodes, Greece, https://cest2019.gnest.org/sites/default/files/presentation_file_list/cest2019_00293_posterf_paper.pdf.

	Articole ştiinţifice publicate in extenso în reviste indexate BDI **1.** Ghindăoanu, V.B., Huțanu, E., Urzică, A., (2018). The GIS modeling of the terrain favorability for the placement of constructions in the areas with hydro-geomorphological risk. Acta Geobalcanica, 5(1), 21-28, https://doi.org/10.18509/AGB.2019.03. **2.** Urzică, A., Huțanu, E., Pricop, C., Mihu-Pintilie, A., (2019). GIS Modeling for Dam Reconstruction. Case Study: Nichiteni Dam, Botoșani County. Air and Water–Components of the Environment Conference, Cluj-Napoca, Romania, p. 261-270, doi: 10.24193/AWC2019_26. **3.** Huțanu, E., Urzică, A., Ghindăoanu, V.B., (2019). Water Parameters Physico-Chemical Variation in the Phreatic Aquifer of Băiceni Locality, Botosani County. Air and Water–Components of the Environment Conference, Cluj-Napoca, Romania, p. 207-216, doi: 10.24193/AWC2019_21. **4.** Pricop, C., Balan, I., Crengăniș, C., Corduneanu, F., Urzică, A., (2018). Runoff simulation in large rural and urban areas using Mike 21 Flexible Mesh modeling. RevCAD Journal of Geodesy and Cadastre, 25(2), http://revcad.uab.ro/upload/44_713_Pricop_Balan_Crenganis.pdf **Articole științifice publicate *in extenso* în volumele conferințelor – alte categorii** **1.** Urzică, A., Stoleriu, C.C., Pricop, C., Huțanu, E., Romanescu, Gh., (2018). *Simularea unui debit constant în cazul producerii unei inundații, folosind HEC-Ras și datele hidrologice calculate de autoritățile regionale. Studiu de caz: Bazinul hidrografic Bașeu (NE României).* Jurnalul Est European de Sisteme Informaționale Geografice și Teledetecție, 2(1), http://www.geomatica.uaic.ro/articole/EEJGISRS/NR.2%202018/Volum-2-SIG-Articol%204.pdf. **2.** Șorea, I., Stoleriu, C.C., Urzică, A., Romanescu, Gh., (2018). *Modelarea zgomotului urban generat de traficul rutier. Studiu de caz: zona centrală a municipiului Vaslui*. Jurnalul Est European de Sisteme Informaționale Geografice și Teledetecție, 2(1), http://www.geomatica.uaic.ro/articole/EEJGISRS/NR.2%202018/Volum-2-SIG-Articol%205.pdf. **3.** Racariu, V., Stoleriu, C.C., Urzică, A., (2018). *Evaluarea calității apei freatice. Studiu de caz: localitatea Ruseni, Județul Neamț", Jurnalul Est European de Sisteme Informaționale Geografice și Teledetecție*, 2(1), http://www.geomatica.uaic.ro/articole/EEJGISRS/NR.2%202018/Volum-2-SIG-Articol%206.pdf

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