Conf. univ. dr. Lucian SFÎCĂ

FIȘA DE ÎNDEPLINIRE A STANDARDELOR IOSUD-UAIC, DOMENIUL GEOGRAFIE,

COMISIA ȘTIINȚELE PĂMÂNTULUI: ABILITARE

Criteriul 1. Articole ştiinţifice:

(a). 5 articole ca autor principal în reviste cu factor de impact în baza de date Web of Science, cu AIS cumulat > = 3,5;

(b). 3 articole în reviste BDI.

a. Articole ca autor principal în reviste cu factor de impact în baza de date Web of Science

Nr.	Articol	AIS*
1.	**Sfîcă, L.**, Ichim, P., Apostol, L., Ursu, A., **2018**. *The extent and intensity of the Urban Heat Island in Iași city, Romania*. Theoretical and Applied Climatology, 134, 777-791, doi: 10.1007/s00704-017-2305-4. Published: November 2018, Indexed WoS: 01-11-2018, **IF (Factor de Impact): 2.720, *(Q2/Meteorology and Atmospheric Sciences-AIS)***.	***0.749***
2.	**Sfîcă, L.**, Beck, C., Niță, I.A., Voiculescu, M., Bîrsan, M.V., Phillipp, A., **2020.** *Cloud cover changes driven by atmosheric circulation in Europe during the last decades.* International Journal of Climatology, 41, S1, E2211-E2230, doi: 10.1002/joc.6841. Published: Sep2020, Indexed WoS:12-10-2020, **IF: 4.069 *(Q2/Meteorology&Atmospheric Sciences-AIS).***	***1.271***
3.	**Sfîcă, L.,** Istrate, V., Hrițac, R., Machidon, O., **2022.** *The continental and regional synoptic background favorable for hailstorms occurrence in North-Eastern Romania.* Progress in Physical Geography: Earth and Environment, 47, 1, doi: 10.1177/03091333221100819. Published: May2022, Indexed WoS: 19-05-2022, **IF: 3.900 *(Q2/Physical Geography-AIS).***	***0.951***
4.	**Sfîcă, L.**, Minea, I., Hrițac, R., Amihăesei, V.A., Boicu, D., **2022.** *Projected changes in groundwater levels in northeastern Romania according to climate scenarios for 2020-2100.* Journal of Hydrology – regional studies, 41, 101108, doi: 10.1016/j.ejrh.2022.101108. Published: May2022, Indexed WoS:20-06-2022, **IF: 4.860 *(Q1/Water Resources-AIS).***	***0.920***
5.	**Sfîcă, L.,** Crețu, Ș.C., Ichim, P., Hrițac, R., Breabăn, I.G., **2023.** *Surface urban heat island of Iași (Romania) and its difference from in situ screen-level air temperature measurements*. Sustainable Cities and Society, 94, 104568, doi: 10.1016/j.scs.2023.104568, Published: Apr2023, Indexed WoS:06-09-2023, **IF: 10.500 *(Q1/Green&Sustainable Science& Technology-AIS).***	***1.576***
	TOTAL (primele 5 lucrări ca prim autor)	**5.467**
1.	**Sfîcă**, **L.**, Voiculescu, M., **2014**. *Possible effects of atmospheric teleconnections and solar variability on tropospheric and stratospheric temperatures in the Northern Hemisphere*, Journal of Atmospheric and Solar-Terrestrial Physics, 109, 7-14, doi: 10.1016/j.jastp.2013.12.021. **IF: 1.474**.	***0.622***
2.	**Sfîcă**, **L.**, Voiculescu, Mirela, Huth, R., **2015.** The influence of solar activity on action centers of atmospheric circulation in North Atlantic, Annales Geophysicae, 33, 2, 207-	***0.687***

	215, doi: 10.5194/angeo-33-207-2015, Published: 2015, Indexed WoS: 02-04-2015. **IF: 1,731** ***(Q2 Geosciences&Multidisciplinary-AIS).***	
3.	**Sfîcă, L.,** Croitoru A.E., Iordache, I., Ciupertea F.A., **2017**. Synoptic Conditions Generating Heat Waves and Warm Spells in Romania, *Atmosphere*, *8* (3), 50; doi: 10.3390/atmos8030050. Published: Mar2017, Indexed WoS: 26-04-2017. **IF: 1.930**.	***0.512***
4.	**Sfîcă, L.**, Iordache, I., Voiculescu, M., **2017**. Solar signal on regional scale: a study of possible solar impact upon Romania's climate, *Journal of Atmospheric and Solar-Terrestrial Physics*, 177, 257-265, doi: 10.1016/j.jastp.2017.09.015. Published: Mar2017, Indexed WoS: 26-04-2017. **IF: 1.492.**	***0.485***
5	**Sfîcă, L.**, Corocăescu, A.C., Crețu, C.S., Amihăesei, V.A., Ichim, P. **2023.** Spatiotemporal Features of the Surface Urban Heat Island of Bacau City (Romania) during the Warm Season and Local Trends of LST Imposed by Land Use Changes during the Last 20 Years. *Remote Sensing*, 15, 3385, doi: 10.3390/rs15133385, Published: Jul2023, Indexed WoS:08-07-2023, **IF: 4.200** ***(Q2/Environmental Sciences-AIS).***	***0.877***
	TOTAL (toate cele 10 lucrări ca prim autor)	**8.650**

b. Articole în reviste indexate BDI

Nr.	Articol	
1.	Niacșu, L., **Sfîcă, L.**, Ursu, A., Ichim, P., Bobric, D.E., Breabăn, I.G., **2019.** Wind erosion on arable lands, associated with extreme blizzard conditions within the hilly area of eastern Romania, Environmental Research, 169, 86-101, doi: 10.1016/j.envres.2018.11.008. **AIS: 1.169**.	Articole în calitate de autor cu drepturi egale specificat explicit sau autor de corespondență.
2.	Prăvălie, R., Piticar, A., Roșca, B., **Sfîcă, L.,** Bandoc, G., Tiscovschi, A., Patriche, C., **2019.** Spatio-temporal changes of the climatic water balance in Romania as a response to precipitation and reference evapotranspiration trends during 1961–2013, Catena (172), 295-312, doi: 10.1016/j.catena.2018.08.028. **IF: 3.256**, **AIS: 0.826.**	
3.	Țîmpu, S.; **Sfîcă, L.**; Dobri, R.-V.; Cazacu, M.-M.; Nita, A.-I.; Birsan, M.-V. **2020**. Tropospheric Dust and Associated Atmospheric Circulations over the Mediterranean Region with Focus on Romania's Territory. *Atmosphere*, *11*, 349, doi: 10.3390/atmos11040349, **IF: 2.046, AIS: 0.555.**	
4.	**Sfîcă, L.**, Bulai, M., Amihăesei, V. A., Ion, C. and Ștefan, M. **2020**. Weather Conditions (with Focus on UV Radiation) Associated with COVID-19 Outbreak and Worldwide Climate-based Prediction for Future Prevention. *Aerosol Air Qual. Res.* 20 (9): 1862–1873, doi: 10.4209/aaqr.2020.05.0206.	
5.	Dobri, R.-V., **Sfîcă, L.,** Amihăesei, V.-A., Apostol, L., Țîmpu, S., **2021.** Drought Extent and Severity on Arable Lands in Romania Derived from Normalized Difference Drought Index (2001–2020). *Remote Sensing*, *13*, 1478, doi: /10.3390/rs13081478, **IF: 4.118, AIS: 0.927.**	
6.	Prăvălie, R., Patriche, C., Săvulescu, I., Sîrodoev, I., Bandoc, G., **Sfîcă, L., 2020**. Spatial assessment of land sensitivity to degradation across Romania. A quantitative approach based on the modified MEDALUS methodology, Catena, 187, 104407, doi: 10.1016/j.catena.2019.104407, **IF: 3.256**, **AIS: 0.826**.	
7.	Niță, I.A., **Sfîcă, L.**, Apostol, L., Radu, C., Bîrsan, M.V., Szep, R., Keresztesi, A., **2020**. Changes in Cyclones intensity over Romania accroding to 12 tracking methods, Romanian Reports in Physics, 75(2):706 **IF:1.460, AIS: 0.208**.	
8.	Rusu, A., Ursu, A., Stoleriu, C.C., Groza, O., Niacșu, L., **Sfîcă, L.**, Minea, I., Stoleriu, O. **2020.** Structural Changes in the Romanian Economy Reflected through Corine Land Cover Datasets. *Remote Sensing*, *12*, 1323; doi:10.3390/rs12081323. **IF: 4.118, AIS: 0.927.**	
9.	Ichim, P., **Sfîcă, L.**, **2020**. The influence of urban climate on bioclimatic conditions in the city of Iași, Romania. Sustainability, 12(22), 9652, doi: 10.3390/su12229652. **IF: 2.576, AIS: 0.332.**	

10.	Crețu, Ș.C., Ichim, P., **Sfîcă, L.**, **2020.** Identification of the urban heat island boundary layer. Case study: Galați city. Present Environment and Sustainable Development, 14(2), doi: 10.15551/pesd2020142001.
11.	Micheu, M.M., Bîrsan, M.V., Niță, I.A., Andrei, M.D., Nebunu, D., Acatrinei, C., **Sfîcă, L.**, Szep, R., Keresztesi, A., de Arroyabe Hernaez, P.F., Onciul, S., Scafa-Udriște, A., Dorobantu, M., **2020**. Influence of Meteorological Variables on people with cardiovascular diseases in Bucharest, Romania (2011-2012). Romanian Reports in Physics, 73(3), 707. **IF:1.785, AIS: 0.208**.
12.	Dobri, R.-V., **Sfîcă, L.,** Amihăesei, V.-A., Apostol, L., Țîmpu, S., **2021**. Drought Extent and Severity on Arable Lands in Romania Derived from Normalized Difference Drought Index (2001–2020). *Remote Sens*. 2021, *13*, 1478. doi: /10.3390/rs13081478, **IF: 4.118, AIS: 0.927.**
13.	Baltag, E.Ș., Kovacs, I., **Sfîcă, L.**, **2021**. Common Buzzards wintering strategies as effect of weather conditions and geographic barriers, Ecology and Evolution, doi: 10.1002/ece3.7793, **IF: 2.390, AIS**: **0.888.**
14.	Florescu, O., Ichim, P., **Sfîcă, L.**, Kadhim-Abid, A.L., Sandu, I., Nănescu, M., **2022**. Risk assessment of artifact degradation in a museum based on indoor climate monitoring-case study of Poni-Cernatescu Museum from Iași city. *Applied Sciences, 12, 3313, doi: 10.3390/appl12073313,* **IF: 2.679, AIS: 0.409**
15.	Cheval. S., Bulai, A., Croitoru, A.E., Dorondel, Ș., Micu, D., Mihăilă, D., **Sfîcă, L.**, Țișcovschi, A., **2022**. Climate Change Perception in Romania, Theoretical and Applied Climatology, *doi: 10.1007/s00704-022-04041-4*, **IF:3.179 AIS: 0.680.**
16.	Niță, I.A., Apostol, L., Patriche, C.V., **Sfîcă L.**, Bojariu R., Birsan, M.V., **2022**. Frequency of Atmospheric Circulation Types over Romania According to Jenkinson-Collison Method Based on Two Long-Term Reanalysis Datasets. *Romanian Reports in Phisycs*, **IF: 1.780, AIS 0.268**
17.	Niță, I.A., **Sfîcă, L.**, Voiculescu, M., Bîrsan, M.V., Micheu, M.M., **2022**. Changes in the global mean air temperature over land since 1980. Atmospheric Research, 106392, doi: 10.1016/j.atmosres.2022.106392, **IF: 5.965, AIS: 1.128**
18.	Pintilioaie, A.M., Filote, B.D., **Sfîcă, L.**, Baltag, E. S., **2022.** Weather influence on native and alien Mantises dynamics and their abundance in the current climate change conditions. Sustainability, **IF: 3.889, AIS: 0.332**
19.	Pintilioaie, A.-M.; **Sfîcă, L.;** Baltag, E.S. **2023**. Climatic Niche of an Invasive Mantid Species in Europe: Predicted New Areas for Species Expansion**.** Sustainability, 15, 10295, doi: 10.3390/su151310295, **IF: 3.899, AIS: 0.332**
20.	Amihăesei, V.A., Micu, D.A., Cheval, S., Dumitrescu, A., **Sfîcă, L.**, Bîrsan, M.V., **2024.** Changes in snow cover climatology and its elevation dependency over Romania (1961-2020), Journal of Hydrology – Regional Studies, 51, 101637, doi: 10.1016/j.ejrh.2023.101637, **IF: 4.7, AIS: 1.020**.
21.	Mihăilă, D., Bistricean, P.-I., **Sfîcă, L.**, Horodnic, V.-D., Prisăcariu, A., Amihăesei, V.-A. **2024.** Summer Discrepancies between 2 m Air Temperature and Landsat LST in Suceava City, Northeastern Romania. *Remote Sens.* 2024, *16*, 2967, doi: 10.3390/rs16162967, **IF: 4.208 , AIS: 0.889.**
22.	Țiculeanu, M., Mihăilă, D., Bistricean, P.I., **Sfîcă, L.**, Lăzurcă, L.G., Mihalache, A., Silișteanu, C.S., **2024.** The connection between meteorological conditions and the health status of the population of Suceava municipality. A case study on respiratory afflictions throughout the years 2019-2020 in Suceava, Balneo and PRM Research Journal, 15, 2, doi: 10.12680/balneo.2024.714, **IF: 0.7, AIS: 0.097**
23.	Ichim, P., Miron, R, Corocăescu, A., Crețu, C., **Sfîcă, L.**, **2024.** Land use as trigger of urban heat island inception in small cities. Case study: Bârlad city, Romania, Present Environment and Sustainable Development, **IF: 0.2, AIS: 0.064.**
24.	Crețu, ȘC., **Sfîcă, L.,** Ichim, P., Vlad-Alexandru Amihăesei, Iuliana-Gabriela Breabăn, Lucian Roșu., **2025.** Warm season land surface temperature and its relationship with local climate zones in post-socialist cities. Theoretical and Applied Climatology, 156, 191, doi: 10.1007/s00704-025-05409-y, **IF: 2.8 AIS: 0.589.**
25.	Hrițac, R., **Sfîcă, L**., Mega, M., Ichim, P., Breabăn, I.-G., Niacșu, L., **2025**. Rainfall Erosivity Main Features and Their Associated Synoptic Conditions in North-Eastern Romania. Appl. Sci., 15, 6785, doi: 10.3390/app15126785, **IF: 2.5 AIS:0.438.**

Criteriul 2. Vizibilitatea articolelor ştiinţifice (Abilitare Indicele Hirsch > = 4) = 14 (fără autocitări)

<table>
<tr><th colspan="3">Articol</th><th>Nr. citări/fără autocitări</th></tr>
<tr><td colspan="3">1. Prăvălie, R., Piticar, A., Roșca, B., Sfîcă, L., Bandoc, G., Tiscovschi, A., & Patriche, C., 2019. Spatio-temporal changes of the climatic water balance in Romania as a response to precipitation and reference evapotranspiration trends during 1961–2013. Catena, 172, 295-312.</td><td>78/72</td></tr>
<tr><td rowspan="14">Articole care citează</td><td>1.</td><td colspan="2">Jiang, L., Bao, A., Jiapaer, G., Guo, H., Zheng, G., Gafforov, K., Kurban, A. and De Maeyer, P., 2019. Monitoring land sensitivity to desertification in Central Asia: Convergence or divergence?. Science of the Total Environment, 658, 669-683, doi: 10.1016/j.scitotenv.2018.12.152.</td></tr>
<tr><td>2.</td><td colspan="2">Yassen, A.N., Nam, W.H. and Hong, E.M., 2020. Impact of climate change on reference evapotranspiration in Egypt. Catena, 194, 104711, doi: 10.1016/j.catena.2020.104711.</td></tr>
<tr><td>3.</td><td colspan="2">Markonis, Y., Kumar, R., Hanel, M., Rakovec, O., Máca, P. and AghaKouchak, A., 2021. The rise of compound warm-season droughts in Europe. Science Advances, 7(6), doi: 10.1126/sciadv.abb9668.</td></tr>
<tr><td>4.</td><td colspan="2">Di Nunno, F. and Granata, F., 2023. Future trends of reference evapotranspiration in Sicily based on CORDEX data and Machine Learning algorithms. Agricultural Water Management, 280, 108232, doi: 10.1016/j.agwat.2023.108232.</td></tr>
<tr><td>5.</td><td colspan="2">Pour, S.H., Abd Wahab, A.K., Shahid, S. and Ismail, Z.B., 2020. Changes in reference evapotranspiration and its driving factors in peninsular Malaysia. Atmospheric Research, 246, 105096, doi: 10.1016/j.atmosres.2020.105096.</td></tr>
<tr><td>6.</td><td colspan="2">Li, X., Zou, L., Xia, J., Dou, M., Li, H. and Song, Z., 2022. Untangling the effects of climate change and land use/cover change on spatiotemporal variation of evapotranspiration over China. Journal of Hydrology, 612, 128189, doi: 10.1016/j.jhydrol.2022.128189.</td></tr>
<tr><td>7.</td><td colspan="2">Wang, Z., Li, J., Hou, J., Zhao, K., Wu, R., Sun, B., Lu, J., Liu, Y., Cui, C. and Liu, J., 2024. Enhanced evapotranspiration induced by vegetation restoration may pose water resource risks under climate change in the Yellow River Basin. Ecological Indicators, 162, 112060, doi: 10.1016/j.ecolind.2024.112060.</td></tr>
<tr><td>8.</td><td colspan="2">Hamed, M.M., Iqbal, Z., Nashwan, M.S., Kineber, A.F. and Shahid, S., 2023. Diminishing evapotranspiration paradox and its cause in the Middle East and North Africa. Atmospheric Research, 289, 106760, doi: 10.1016/j.atmosres.2023.106760.</td></tr>
<tr><td>9.</td><td colspan="2">Scherrer, S.C., Hirschi, M., Spirig, C., Maurer, F. and Kotlarski, S., 2022. Trends and drivers of recent summer drying in Switzerland. Environmental Research Communications, 4(2), 025004, doi: 10.1088/2515-7620/ac4fb9.</td></tr>
<tr><td>10.</td><td colspan="2">Rahman, M.N., Azim, S.A., Jannat, F.A., Rony, M.R.H., Ahmad, B. and Sarkar, M.A.R., 2023. Quantification of rainfall, temperature, and reference evapotranspiration trend and their interrelationship in sub-climatic zones of Bangladesh. Heliyon, 9(9)., doi: 10.1016/j.heliyon.2023.e19559.</td></tr>
<tr><td>11.</td><td colspan="2">Chen, H., Wu, Y.C., Cheng, C.C. and Teng, C.Y., 2023. Effect of climate change-induced water-deficit stress on long-term rice yield. Plos one, 18(4), p.e0284290, doi: 10.1371/journal.pone.0284290.</td></tr>
<tr><td>12.</td><td colspan="2">Chen, Q.W., Liu, M.J., Lyu, J., Li, G., Otsuki, K., Yamanaka, N. and Du, S., 2022. Characterization of dominant factors on evapotranspiration with seasonal soil water changes in two adjacent forests in the semiarid Loess Plateau. Journal of Hydrology, 613, p.128427, 10.1016/j.jhydrol.2022.128427.</td></tr>
<tr><td>13.</td><td colspan="2">Rocha, A.K.P., de Souza, L.S.B., de Assunção Montenegro, A.A., de Souza, W.M. and da Silva, T.G.F., 2023. Revisiting the application of the SWAT model in arid and semi-arid regions: a selection from 2009 to 2022. Theoretical & Applied Climatology, 154, doi: 10.1007/s00704-023-04546-6.</td></tr>
<tr><td>14.</td><td colspan="2">Młyński, D., Wojkowski, J., Wałęga, A., Lepeška, T., Petroselli, A. and Radecki-Pawlik, A., 2025. Transformations in hydrological resilience: Unraveling the impact of landscape hydric</td></tr>
</table>

		potential on flood dynamics: A case study, Drwinka catchment (Poland). Journal of Environmental Management, 373, p.123800, doi: 10.1016/j.jenvman.2024.123800.
	15.	Talchabhadel, R. and Chhetri, R., 2024. Evaluation of long-term changes in water balances in the Nepal Himalayas. Theoretical and Applied Climatology, 155(1), pp.439-450, doi: 10.1007/s00704-023-04646-3.

Articol	Nr. citări/fără autocitări
2. Prăvălie, R., Patriche, C., Săvulescu, I., Sîrodoev, I., Bandoc, G. and **Sfîcă, L.**, **2020.** Spatial assessment of land sensitivity to degradation across Romania. A quantitative approach based on the modified MEDALUS methodology. *Catena*, *187*, p.104407.	**56/53**

Articole care citează	1.	Sarkar, P., Kumar, P., Vishwakarma, D.K., Ashok, A., Elbeltagi, A., Gupta, S. and Kuriqi, A., 2022. Watershed prioritization using morphometric analysis by MCDM approaches. *Ecological Informatics*, *70*, p.101763, doi: 10.1016/j.ecoinf.2022.101763.
	2.	Ren, Y., Zhang, B., Chen, X. and Liu, X., 2024. Analysis of spatial-temporal patterns and driving mechanisms of land desertification in China. Science of the Total Environment, 909, p.168429, doi: 10.1016/j.scitotenv.2023.16842.
	3.	Shao, W., Wang, Q., Guan, Q., Zhang, J., Yang, X. and Liu, Z., 2023. Environmental sensitivity assessment of land desertification in the Hexi Corridor, China. Catena, 220, p.106728, doi: 10.1016/j.catena.2022.106728.
	4.	Jiang, L., Bao, A., Jiapaer, G., Liu, R., Yuan, Y. and Yu, T., 2022. Monitoring land degradation and assessing its drivers to support sustainable development goal 15.3 in Central Asia. *Science of the Total Environment*, 807, p.150868, doi: 10.1016/j.scitotenv.2021.150868.
	5.	Li, X., Shi, Z., Xing, Z., Wang, M. and Wang, M., 2023. Dynamic evaluation of cropland degradation risk by combining multi-temporal remote sensing and geographical data in the Black Soil Region of Jilin Province, China. *Applied Geography*, *154*, p.102920, doi: 10.1016/j.apgeog.2023.102920
	6.	Zhao, S., Ding, J., Wang, J., Ge, X., Han, L., Wang, R. and Qin, S., 2024. Central Asia's desertification challenge: Recent trends and drives explored with google earth engine. *Journal of Cleaner Production*, *460*, p.142595, doi: 10.1016/j.jclepro.2024.142595.
	7.	Jaafari, A., Janizadeh, S., Abdo, H.G., Mafi-Gholami, D. and Adeli, B., 2022. Understanding land degradation induced by gully erosion from the perspective of different geoenvironmental factors. *Journal of Environmental Management*, 315, p.115181, doi: 10.1016/j.jenvman.2022.115181.
	8.	Hamad, K.O. and Surucu, A., 2024. Land degradation sensitivity and desertification risk in Harrir region, northern Iraq. *Heliyon*, *10*(5), doi: 10.1016/j.heliyon.2024.e27123.
	9.	Perović, V., Kadović, R., Đurđević, V., Pavlović, D., Pavlović, M., Čakmak, D., Mitrović, M. and Pavlović, P., 2021. Major drivers of land degradation risk in Western Serbia: Current trends and future scenarios. *Ecological Indicators*, *123*, p.107377, doi: 10.1016/j.ecolind.2021.107377.
	10.	Mihi, A., Ghazela, R. and Wissal, D., 2022. Mapping potential desertification-prone areas in North-Eastern Algeria using logistic regression model, GIS, and remote sensing techniques. *Environmental Earth Sciences*, *81*(15), p.385, doi: 10.1007/s12665-022-10513-7.
	11.	Song, S., Chen, X., Hu, Z., Zan, C., Liu, T., De Maeyer, P. and Sun, Y., 2023. Deciphering the impact of wind erosion on ecosystem services: An integrated framework for assessment and spatiotemporal analysis in arid regions. Ecological Indicators, 154, p.110693, doi: 10.1016/j.ecolind.2023.110693.
	12.	Afzali, S.F., Khanamani, A., Maskooni, E.K. and Berndtsson, R., 2021. Quantitative assessment of environmental sensitivity to desertification using the modified MEDALUS model in a semiarid area. *Sustainability*, *13*(14), p.7817, doi: 10.3390/su13147817.
	13	Boncio, P., Liberi, F., Caldarella, M. and Nurminen, F.C., 2018. Width of surface rupture zone for thrust earthquakes: implications for earthquake fault zoning. *Natural Hazards and Earth System Sciences*, *18*(1), pp.241-256, doi: 10.5194/nhess-18-241-2018.

	14.	Pourghasemi, H.R., Honarmandnejad, F., Rezaei, M., Tarazkar, M.H. and Sadhasivam, N., 2021. Prioritization of water erosion–prone sub-watersheds using three ensemble methods in Qareaghaj catchment, southern Iran. *Environmental Science and Pollution Research*, *28*(28), pp.37894-37917, doi: 10.1007/s11356-021-13300-2.	
	15.	Gambella, F., Quaranta, G., Morrow, N., Vcelakova, R., Salvati, L., Gimenez Morera, A. and Rodrigo-Comino, J., 2021. Soil degradation and socioeconomic systems' complexity: Uncovering the latent nexus. *Land*, *10*(1), p.30, doi: 10.3390/land10010030.	
Articol			**Nr. citări/fără autocitări**
3. Sfîcă, L., Croitoru, A.E., Iordache, I. and Ciupertea, A.F., **2017.** Synoptic conditions generating heat waves and warm spells in Romania. *Atmosphere*, *8*(3), p.50.			**44/36**
Articole care citează	1.	Ruiz-Páez, R., Díaz, J., López-Bueno, J.A., Navas, M.A., Mirón, I.J., Martínez, G.S., Luna, M.Y. and Linares, C., 2023. Does the meteorological origin of heat waves influence their impact on health? A 6-year morbidity and mortality study in Madrid (Spain). *Science of The Total Environment*, *855*, p.158900, doi: 10.1016/j.scitotenv.2022.158900.	
	2.	Nagavciuc, V., Scholz, P. and Ionita, M., 2022. Hotspots for warm and dry summers in Romania. *Natural Hazards and Earth System Sciences*, *22*(4), pp.*1347-1369, doi: 10.5194/nhess-22-1347-2022.*	
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Criteriul 3. Capacitatea de susţinere a activităţilor de cercetare

A. Director/Lider de proiect/grant în 2 proiecte/granturi naționale (valoare minimă 100000 RON/proiect).

Nr.	Proiect	Finanțator	Buget contractat	Calitate
1.	***Evaluarea climatului urban: condiție de bază a dezvoltării rezilienței locale la schimbările climatice în regiunea de dezvoltare Nord-Est a României,*** proiect TE32/10.05.2022 (PN-III-P1-1.1-TE-2021-0882), perioada de implementare: 2022-2024. Acronim: UCLAR. Site: https://geo.uaic.ro/uclar/	UEFISCDI	450.000,00 RON	Director de proiect
2.	***Modelarea diacronică a condițiilor (bio)climatice la scară spațială fină în principalele orașe din Nord-Estul României (Moldova apuseană),*** proiect 96PCE din 15.07.2025 (PN-IV-P1-PCE-2023-0897), perioada de implementare: 2025-2028. Acronim: MOBCLIM. Site: https://www.geo.uaic.ro/mobclim/	UEFISCDI	1.147.369,00 RON	Director de proiect

ÎNDEPLINIREA STANDARDELOR MINIMALE

	DESCRIERE	MINIM	REALIZAT
Criteriul 1. Articole ştiinţifice	Articole WoS autor principal	5	10
	Sumă AIS ca autor principal (primele 5 lucrări)	3,5	5,467
	Total articole BDI	3	25
Criteriul 2. Vizibilitatea articolelor ştiinţifice	Indice Hirsch (fără autocitări)	4	14
Criteriul 3. Capacitatea de susţinere a activităţilor de cercetare	Proiecte de cercetare	2 proiecte naționale în calitate de director	2 proiecte naționale în calitate de director

Iași, 07.11.2025

Conf. univ. dr. Lucian SFÎCĂ