FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU

Domeniul fundamental: Științe inginerești

Domeniul: Inginerie civilă și instalații

Comisia CNATDCU de specialitate: INGINERIE CIVILĂ ȘI MANAGEMENT

Autorul tezei de abilitare: CS Dr. Romulus-Dumitru COSTACHE

Standarde minimale: Profesor Universitar/Abilitare	**Îndeplinire condiții Profesor Universitar/Abilitare**		
Deținerea titlului de Doctor	Titlu de Doctor acordat prin OM nr 3769 din 20.04.2017; diploma seria J nr. 0017855; titlul tezei: *Evaluarea vulnerabilității structural la viituri rapide și inundații în sectorul superior și mijlociu al bazinului hidrografic al râului Buzău*		
Îndeplinirea standardelor minimale naționale conform OM 6129 din 2016 (Anexa nr. 6 – **Inginerie Civil[si Management**)	**Standarde îndeplinite conform** OM 6129 din 2016 (Anexa nr. 6 – **Inginerie civila si Management**)		
Condiții minimale	**Minim prevăzut Profesor**	**Minim prevăzut Abilitare**	**Realizat**
Activitatea didactică / profesională (A1)	70 pct.	70 pct.	77.84
Activitatea de cercetare (A2)	300 pct.	300 pct.	1587
Recunoașterea impactului activității (A3)	80 pct.	80 pct.	1228.94
TOTAL			2893.78

1. Justificare punctaj CNATDCU – Domeniul A1

Nr. crt.	Domeniul activităţilor	Tipul activităţilor	Categorii si restricţii	Subcategorii/ Activităţi	Indicatori / Punctaj	Punctaj realizat de candidat
0	1	2	3	4	5	6
1	**Activitate didactică și profesională (A1)**	1.1 Cărţi, cursuri universitare şi capitole in căiţi de specialitate	1.1.1. Cărţi, cursuri universitare / capitole; pentru Profesor / CS 1 minimum 2, Conferenţiar / CS II minimum 1	1.1.1.1 internaţionale	Nr. Pagini /(2*nr. Autori)	**23.84**
				1.1.1.2 naţionale	Nr. Pagini /(5*nr. Autori)	-
			1.1.2 Cărţi, cursuri universitare / capitole de cărţi ca editor / coordonator	1.1.2.1 internaţionale	Nr. Pagini /(3*nr. Autori)	**54**
				1.1.2.2 naţionale	Nr. Pagini /(7*nr. Autori)	-
		1.2 Coordonare de programe de studii, organizare şi coordonare programe de formare continuă şi proiecte educaţionale (POS, Erasmus, Socrates, Leonardo, sa)	Punctaj unic, egal cu unitatea, pentru fiecare activitate < maxim 10 activităţi pentru Profesor /CS I; maxim 5 activităţi pentru Conferentinr/CS II)		Maximum 10 pentru Profesori CSI Maxim 5 pentru Conferenţiar / CS II	-
					Punctaj total	**77.84**
					Punctaj total ultimii 5 ani	**77.84**

1.1 Cărți și capitole în cărți de specialitate

1.1.1 Cărți/capitole ca autor

1.1.1.1 Internaționale

- **COSTACHE, R**. Groundwater potential assessment in Dobrogea region of Romania using artificial intelligence and bivariate statistics – Chapter 21, pp. 379-396; In: APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN MINING AND GEOTECHNICAL ENGINEERING. Editor(s): Hoang N., Bui X.-N., Topal E., Zhou J., Choi Y., Zhang W.; **Published 2024**. Elsevier. DOI: 10.1016/C2021-0-03522-7. ISBN: 978-0-443-18764-3. DOI: https://doi.org/10.1016/B978-0-443-18764-3.00009-6

= 18 pag. / (2*1) = 9 p

Dovadă capitol în extenso:
https://drive.google.com/file/d/1LCn-MFBfhXacYteAxPcQWCK0Mw_xCLrq/view?usp=drive_link

- **COSTACHE, R**. Landslide susceptibility in a hilly region of Romania using artificial intelligence and bivariate statistics – Chapter 23, pp. 419-435; In: APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN MINING AND GEOTECHNICAL ENGINEERING. Editor(s): Hoang N., Bui X.-N., Topal E., Zhou J., Choi Y., Zhang W.; **Published 2024**. Elsevier. DOI: 10.1016/C2021-0-03522-7. ISBN: 978-0-443-18764-3. DOI: https://doi.org/10.1016/B978-0-443-18764-3.00005-9

= 17 pag. / (2*1) = 8.5 p

Dovadă capitol în extenso: https://drive.google.com/file/d/1UKrJwAxoat5QcxWim5J_H3zW2EJKJuJ4/view?usp=drive_link

- Pandey, S., Pandey, P. C., **Costache, R.,** Arora, A., Ranjan, P., Chamoli, A., & Pandey, M. An Overview of Machine Learning Applications in Disaster Waste Management – Chapter 21 pp. 469 - 499. In: GEO-INFORMATION FOR DISASTER MONITORING AND MANAGEMENT. Editor(s): Pandey, P.C., Kumar, R., Pandey, M., Giuliani, G., Sharma, R.K., Srivastava, P.K. **Published 2024**. Springer, Cham. ISBN 978-3-031-51052-6. DOI: https://doi.org/10.1007/978-3-031-51053-3_21.

= 31 pag. / (2*7) = 2.21 p

Dovadă capitol în extenso:
https://drive.google.com/file/d/1ezWdLRWSNxwMZOOEuxDBRF6nxfaCvhM-/view?usp=drive_link

- Mitra, S., Pundir, S., Devrani, R., Arora, A., Pandey, M., **Costache, R.,** & Janizadeh, S. An Overview of Morphometry Software Packages, Tools, and Add-ons. – Chapter 4 pp. 49-57. In: ADVANCES IN REMOTE SENSING TECHNOLOGY AND THE THREE POLES. Editor(s): Pandey, M., Pandey, P.C., Ray, Y., Arora, A., Jawak, S.D., Shukla, U.K. **Published 2023.** WILEY Online Library. Print ISBN: 9781119787723 |Online ISBN: 9781119787754. DOI: https://doi.org/10.1002/9781119787754.ch4.

= 9 pag. / (2*7) = 0.64

Dovadă capitol în extenso:
https://drive.google.com/file/d/1lUW8fbkTsdxa-_96Ps8migj_4CXEO3fq/view?usp=drive_link

- Mitra, S., Devrani, R., Pandey, M., Arora, A., **Costache, R.,** & Janizadeh, S. Landscape Modeling, Glacier and Ice Sheet Dynamics, and the Three Poles: A Review of Models, Softwares, and Tools. – Chapter 5 pp. 58-82. In: ADVANCES IN REMOTE SENSING TECHNOLOGY AND THE THREE POLES. Editor(s): Pandey, M., Pandey, P.C., Ray, Y., Arora, A., Jawak, S.D., Shukla, U.K. **Published 2023.** WILEY Online Library. Print ISBN: 9781119787723 |Online ISBN: 9781119787754. DOI: https://doi.org/10.1002/9781119787754.ch5.

= 25 pag. / (2*6) = 0.64

Dovadă capitol în extenso:
https://drive.google.com/file/d/1RTKBN4wicQD6D1v0fElnqEAO60hPnBY9/view?usp=drive_link

- Mishra, M., Singh, K. K., Pandey, P. C., Devrani, R., Pandey, A. K., Prudhvi, R.K.N., Ranjan, P., Arora, A., **Costache, R.,** Janizadeh, S., Linh, N.T., & Pandey, M. Spectral indices across remote sensing platforms and sensors relating to the three poles: An overview of applications, challenges, and future prospects. – Chapter 6 pp. 83-116. In: ADVANCES IN REMOTE SENSING TECHNOLOGY AND THE THREE POLES. Editor(s): Pandey, M., Pandey, P.C., Ray, Y., Arora, A., Jawak, S.D., Shukla, U.K. **Published 2023.** WILEY Online Library. Print ISBN: 9781119787723 |Online ISBN: 9781119787754. DOI: https://doi.org/10.1002/9781119787754.ch6.

= 34 pag. / (2*12) = 1.41 p

Dovadă capitol în extenso:
https://drive.google.com/file/d/1v0cS_8cuy8elMe95_fKEB6fUzlP4YToS/view?usp=drive_link

1.1.2 Cărți, cursuri universitare/ capitole editor/coordinator

1.1.2.1 Internaționale

- Bărbulescu A., **Costache R.,** Dumitriu C.Ș. .2025. Climate Change and Hydrological Processes – Special Issue published in Water journal – Reprint – MDPI Books. 252 pages. ISBN 978-3-7258-5753-1 (Hardback); ISBN 978-3-7258-5754-8 (PDF). https://doi.org/10.3390/books978-3-7258-5754-8.

= 252 pag. / (3*3) = 28 p

Dovadă carte în extenso: https://drive.google.com/file/d/1svc1RbRW3h0YZKKis6pASJcmo0SwageT/view?usp=drive_link

- Bărbulescu A., **Costache R.,** Dumitriu C.Ș. .2025. Climate Change and Hydrological Processes, 2nd Edition – Special Issue published in Water journal – Reprint – MDPI Books. 234 pages. ISBN 978-3-7258-5739-5 (Hardback); ISBN 978-3-7258-5740-1 (PDF). https://doi.org/10.3390/books978-3-7258-5740-1.

= 234 pag. / (3*3) = 26 p

Dovadă carte în extenso: https://drive.google.com/file/d/17NgHsYkMEFeNfzS7bWm5VJOP6LeIK4xB/view?usp=drive_link

Restricții Profesor / CS I / Abilitare - satisfăcute – Minim 2 capitole publicate în calitate de autor.

Punctaj Domeniul A1 – 73.71 > 70 (punctaj minim) – satisfăcut

2. Justificare punctaj CNATDCU – Domeniul A2

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii si restricții	Subcategorii/ Activități	Indicatori / Punctaj	Punctaj realizat de candidat
0	1	2	3	4	5	6
2	Activitate de cercetare (A2)	2.1. Articole în reviste cotate* ISI Thomson Reuters și în volume indexate ISI Proceedings •Factorul de Impact (Fi) al revistei este cel din anul publicării articolului	Minimum 8 articole pentru Profesor / CS 1 - dintre acestea minim 2 trebuie să fie în reviste cu FI > 1 și minim 2 în reviste cu FI>0.5.		(25+20*FI) / nr. Autori	1425.04
			Minimum 5 articole pentru Conferențiar / CS II - dintre acestea minim 2 trebuie să fie in reviste cu FI > 0.5.		(25+20*FI) / nr. Autori	-
		2.2. Articole* în reviste şi volumele unor manifestări ştiinţifice indexate în baze de date internaţionale (BDI)** •Articolele indexate în ISI WOS care nu sunt luate în considerate la criteriul A2.1 pot fi echivalate cu articole BDI în forma 1 lucrare indexata în ISI Web of Science este echivalată cu o lucrare indexată în baze de date internaționale ** Baze de date considerate sunt: Scopus, Wiley Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO.	Minimum 12 pentru Profesor/CSI		20/nr. de autori	44.46
			Minimum 8 pentru Conferenţiar / CS II		20/nr. de autori	-
		2.3. Brevete de invenție inregistrate la OSIM sau WIPO		2.3.1. cotate ISI	50/nr. autori	-
				2.3.2. internaționale necotate ISI	35/nr. autori	-
				2.3.3 naționale	25/nr. autori	-
		2.4. Granturi/Proiecte* câștigate prin competiție ce finanțează activități de cercetare *Prin grant/proiect de ceretare castigat prin competiție se înțelege că trebuie sa fie atrase simultan fonduri pentru: cheltuieli de prsonal, cheltuieli de capital, cheltuieli cu logistica (obiecte de mică valoare și consumabile), deplasări și regia universității	2.4.1. Director (pentru instituția coordonatoare) / responsabil (pentru instituția parteneră) - Minim 2 pentru Profesor/CS I; minim I pentru Conferențiar/CS II	2.4.1.1. internaționale	20*nr ani de desfășurare (dovediți prin contract)	80
				2.4.1.2. naționale	10*nr ani de desfășurare (dovediți prin contract)	37.5
			2.4.2. Membru în echipa de implementare a grantului	2.4.2.1 internaționale	10*nr de ani de desfășurare (dovediți prin fișele de pontaj)	-
				2.4.2.2 naționale	5*nr de ani de desfășurare (dovediți prin fișele de pontaj)	-
		2.5. Responsabil de proiecte de cercetare/consultanță (fiecare proiect considerat la calculul punctajului trebuie sa fie în valoare de 50000 lei pentru instituția la care responsabilul era/este titular)			5/proiect (se dovedește prin contract)	-
						Punctaj total: 1587 **Punctaj ultimii 5 ani: 1018.15**

2.1 Articole în reviste cotate ISI Thomson reuters și în volumele indexate ISI proceedings

Verificare sursa: https://www.webofscience.com/wos/author/record/O-2843-2019

Nr.	Titlu	Nr. autori	Factor de Impact	Punctaj ISI (25+20*FI) /nr autori
1	Radu, A., Comănescu, L., Ciobotaru, N., & **Costache, R**. (2026). *Riverbed Evolution Trends Based on the Channel-Forming Discharge Concept: A Climate Change Scenario Analysis to 2100 for the Ialomița River, Romania*. Water, *18*(3), 420. DOI: https://doi.org/10.3390/w18030420 **ISI I.F. = 3 (Q2).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1WNWaueagqNBoghXjfT2-eDbXNtAHhF_b/view?usp=drive_link **(ultimii cinci ani)**	4	3	21.25
2	**Costache, R.,** Ciobotaru, N., Crăciun, A., Chakrabortty, R., & Pandey, M. (2026). *Fuzzy-decision trees models for flood hazard modeling in the Danube Delta*. Geomatics, Natural Hazards and Risk, *17*(1), 2624697. DOI: https://doi.org/10.1080/19475705.2026.2624697 **ISI I.F. = 4.6 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/16eoaT8GtbYOfE-O51c5nLRimzqcqa_os/view?usp=drive_link **(ultimii cinci ani)**	5	4.6	23.4
3	**Costache R. (2025).** *Flood susceptibility estimation using randomization-based machine learning models. A case study at the Putna river basin, Romania*, Geomatics, Natural Hazards and Risk, 2548505. DOI: https://doi.org/10.1080/19475705.2025.2548505. **ISI I.F. = 4.6 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1gDxBWLV971-O3MjKYsUkJNN7XJaOHqj4/view?usp=drive_link **(ultimii cinci ani)**	1	4.6	117
4	Chakrabortty R., Pramanik M., Ali T., Islam A. R. M. T., Pande C. B., **Costache R.**, & Abioui, M. (2025). *Advanced neural network approaches for optimal check dam site selection in sub-tropical climates*, Advances in Space Research, 76(1), 90-109. https://doi.org/10.1016/j.asr.2025.04.037. **ISI I.F. = 2.8 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/14iW3jqkvt_7jYFQJ_9zQFkjQeb_ethMt/view?usp=drive_link **(ultimii cinci ani)**	4	2.8	11.57
5	Ajin R. S., **Costache R.*,** Bărbulescu A., Fanti R., Segoni, S. (2025). *Flood Susceptibility Assessment Using Multi-Tier Feature Selection and Ensemble Boosting Machine Learning Models,* Water, 17(14), 2041. DOI: https://doi.org/10.3390/w17142041. **ISI I.F. = 3 (Q2).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1sUfCTC36PcCckfBPTpuVpvY5V4Yv1uVh/view?usp=drive_link **(ultimii cinci ani)**	5	3	17
6	Bianchi S., Matteoni M., Kim K., Koniari A. M., Koning K., **Costache R**., Ciobotaru N., Luna-Navarro A., Peng Z., Ciurlanti J., Shahriari H., Mittal D., Stavridou E., Silva A., Plamieri M., Pampanin S., Petrini F., Overend, M. (2025). *Resilience Readiness Levels for Buildings: Establishing Multi-Hazard Resilience Metrics and Rating Systems,* International Journal of Disaster Risk Reduction, 128, 105746, DOI: https://doi.org/10.1016/j.ijdrr.2025.105746 **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1WrN4FddaPkOh6j6RlnIQrhfwEH90R5Pi/view?usp=drive_link	18	4.5	6.38

	(ultimii cinci ani)			
7	Nguyen D.-D., Tiep N.V., Bui Q.-A.T., Le H.V., Prakash I., **Costache R.**, Pandey M., Pham B.T. (2025) *Landslide Susceptibility Mapping Using RBFN-Based Ensemble Machine Learning Models*, CMES-Computer Modeling in Engineering & Sciences, 142(1), 467-500. DOI: https://doi.org/10.32604/cmes.2024.056576 **ISI I.F. = 2.5 (Q2).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1sa3c6hs_IGCUD7reKnAevobv-evuRIAt/view?usp=drive_link **(ultimii cinci ani)**	8	2.5	9.37
8	Abba S.I., Pham Q.B., Malik A., **Costache R.**, Gaya M.S., Abdullahi J., Usman A.G., Saini G. (2025) *Optimization of Extreme Learning Machine with Metaheuristic Algorithms for Modelling Water Quality Parameters of Tamburawa Water Treatment Plant in Nigeria*, Water Resources Management, 39 (3), 1377-1401. DOI: https://doi.org/10.1007/s11269-024-04027-z. **ISI I.F. = 4.7 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1EDDO7lmDKcMDTjcir_3rb7djVeFQ8cuP/view?usp=drive_link **(ultimii cinci ani)**	8	4.7	14.87
9	Islam A.R.M.T., Mia M.U., Nova N.A., Chakrabortty R., Khan M.S.I., Ghose B., Pal S.C., Bari A.B.M.M., Alam E., Islam M.K., Alshehri M.A., Abdo H.G., **Costache R.** (2025) *Enhancing flood susceptibility mapping in Meghna River basin by introducing ensemble Naive Bayes with stacking algorithms*, Geomatics Natural Hazards and Risk, 16(1), 2464049, DOI: https://doi.org/10.1080/19475705.2025.2464049. **ISI I.F. = 4.6 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1qNPkGG3Vic8ia6TOlusCYuX73E4jl1R5/view?usp=drive_link **(ultimii cinci ani)**	13	4.6	9
10	Diaconu D.C., **Costache R.***, Islam A.R.M.T., Pandey M., Pal S.C., Mishra A.P., Pande C.B. (2024) *Developing flood mapping procedure through optimized machine learning techniques. Case study: Prahova river basin, Romania*, Journal of Hydrology: Regional Studies, 54, 101892, DOI: https://doi.org/10.1016/j.ejrh.2024.101892. **ISI I.F. = 5 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/11odWrT_QiaViakh0S0PvGprKF_FFmR5s/view?usp=drive_link **(ultimii cinci ani)**	7	5	17.85
11	Pandey A., Parashar D., Palni S., Sarkar M.S., Mishra A.P., Singh A.P., **Costache R.**, Abdulqadim T.J., Pande C.B., Tolche A.D., Khan M.Y.A. (2024) *Spatiotemporal snowline status and climate variability impact assessment: a case study of Pindari River Basin, Kumaun Himalaya, India*, Environmental Sciences Europe, 36, 104. DOI: https://doi.org/10.1186/s12302-024-00924-7. **ISI I.F. = 6 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1FnaHTaG-EjRUJKD_vMYsVswfipOusss0/view?usp=drive_link **(ultimii cinci ani)**	11	6	13.18
12	**Costache R.**, Pal S.C., Pande C.B., Islam A.R.M.T., Alshehri F., Abdo H.G. (2024) *Flood mapping based on novel ensemble modeling involving the deep learning, Harris Hawk Optimization algorithm and stacking based machine learning*, Applied Water Science, 14(4): 78. DOI: https://doi.org/10.1007/s13201-024-02131-4. **ISI I.F. = 5.7 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/19Hqs2arik3_nEw8b0LvIyALg9urGcgKK/view?usp=drive_link **(ultimii cinci ani)**	6	5.7	23.16
13	Dandapat K., Chatterje U., Das S., Patra A., Manna H., Ghosh A., Pal S.C., Islam A.R.M.T., **Costache R.**, Alam E., Islam M.K. (2024) *Assessment of groundwater potential zones in data-scarce regions using GIS-based multicriteria decision making approach*, Geocarto International, 39(1), 2311202. DOI: https://doi.org/10.1080/10106049.2024.2311202. **ISI I.F. = 3.5 (Q2).**	11	3.5	8.63

	Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori: https://drive.google.com/file/d/1adom8uogtdNd6_JcKrhTiG5Lz0EN1GMq/view?usp=drive_link **(ultimii cinci ani)**			
14	Pande C.B., Egbueri J.C., **Costache R.**, Sidek L.M., Wang Q., Alshehri F., Din N.M., Gautam V.K., Pal S.C. (2024) *Predictive modeling of land surface temperature (LST) based on Landsat-8 satellite data and machine learning models for sustainable development*, Journal of Cleaner Production, 141035, https://doi.org/10.1016/j.jclepro.2024.141035 **ISI I.F. = 10 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1SJu-XsKIzNDOaQP-Xlnii5o2airZEcV0/view?usp=drive_link **(ultimii cinci ani)**	9	10	25
15	Alam M.M., Akter M.Y., Islam A.R.M.T., Mallick J., Kabir Z., Chu R., Arabameri A., Pal S.C., Al Masudi M.A., **Costache R.**, Senapathi V. (2024) *A review of recent advances and future prospects in calculation of reference evapotranspiration in Bangladesh perspective using soft computing models*, Journal of Environmental Management, 351, 119714 DOI: https://doi.org/10.1016/j.jenvman.2023.119714. **ISI I.F. = 8.4 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/17ywZ7fQCTuMJ1L0U8oCjt6mZ9XS9_iSB/view?usp=drive_link **(ultimii cinci ani)**	11	8.4	17.54
16	Tuyen T.T., Al-Ansari N., Nguyen D.D., Le H.M., Phan T.N.Q, Prakash I., **Costache R.**[*], Pham B.T. (2024) *Prediction of White Spot Disease Susceptibility in Shrimps Using Decision Trees based Machine Learning Models*, Applied Water Science, 14, 2. DOI: https://doi.org/10.1007/s13201-023-02049-3. **ISI I.F. = 5.7 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1vw_Q1hHWfYo07Hrm6cDp33Olg2jh9TvZ/view?usp=drive_link **(ultimii cinci ani)**	8	5.7	17.37
17	**Costache R**, Arabameri A., Costache I., Crăciun A., Abu Reza Md. Towfiqul Islam A.R.M.T., Abba S.I., Sahana M., Pandey M., Trung Tin T.T., Pham B.T. (2024) *Flood hazard potential evaluation using decision tree state-of-the-art models*, Risk Analysis, 44(2), 439-458. DOI: https://doi.org/10.1111/risa.14179. **ISI I.F. = 3.3 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1WMH8jYe2eurbqxRjzAuMob8PwxUMhoOp/view?usp=drive_link **(ultimii cinci ani)**	11	3.3	8.27
18	Rashid M., Haider S., Masood M.U., Pande C.P., Tolche A.D., Alshehri F., **Costache R.**, Elkhrachy I. (2023). *Sustainable Water Management for Small Farmers with Center Pivot Irrigation: A Hydraulic and Structural Design Perspective*, Sustainability, 15(23), 16390, DOI: https://doi.org/10.3390/su152316390 . **ISI I.F. = 3.3 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1XOS1FbIgYWdPtw91fwHC2mWkjtBC8oRG/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/17reVbfHwsI-nqv0vtTfg-WtPofSLYIqf/view?usp=drive_link **(ultimii cinci ani)**	8	3.3	11.37
19	Thanh B.N., Phong T.V., Trinh P.T., **Costache R.**, Amiri M., Nguyen D.D., Le H.V., Prakash I., Pham B.T. (2023) *Prediction of Coastal Erosion Susceptible Areas of Quang Nam Province, Vietnam Using Machine Learning Models*, Earth Science Informatics, 17, 401–419. DOI: https://doi.org/10.1007/s12145-023-01182-6. **ISI I.F. = 2.7 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1tN9dAmbcTdzVXVr5bBUCCKVH-u0jt9G2/view?usp=drive_link **Dovada factor impact 2023:**	9	2.7	8.77

	https://drive.google.com/file/d/1tN9dAmbcTdzVXVr5bBUCCKVH-u0jt9G2/view?usp=drive_link **(ultimii cinci ani)**			
20	**Costache R.**, Abdo H.G., Mishra A.P., Pal S.C., Islam A.R.M.T., Pande C.B., Almohamad H., Dughairi A.A.A., Albanai J.A. (2023) *Using fuzzy and machine learning iterative optimized models to generate the flood susceptibility maps: Case study of Prahova River basin, Romania*, Geomatics, Natural Hazards and Risk, 14(1), 2281241, DOI: https://doi.org/10.1080/19475705.2023.2281241 . **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/13_PagmU_xE3LvDXbLLecagauBGGIdcvr/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1oFZAL-5CZ5U3QD6_kUgIZAQmQH2tQMgH/view?usp=drive_link **(ultimii cinci ani)**	9	4.5	12.77
21	Pal S.C., Chakrabortty R., Islam A.R.M.T., Roy P., Chowdhuri I., Saha A., Islam A., **Costache R.**, Alam E. (2023) *Land use and climate change-induced soil erosion mapping in a sub-tropical environment*, Geomatics, Natural Hazards and Risk, 14(1), 2270129, DOI: https://doi.org/10.1080/19475705.2023.2270129 . **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1ZWT39sg6fMz--XEQ5Dde-5yeSLv0TLQ8/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1oFZAL-5CZ5U3QD6_kUgIZAQmQH2tQMgH/view?usp=drive_link **(ultimii cinci ani)**	9	4.5	12.77
22	Haider S., Masood M.U., Rashid M., Alshehri F., Pande C.B., Katipoğlu O.M., **Costache R.** (2023) *Simulation of the Potential Impacts of Projected Climate and Land Use Change on Runoff under CMIP6 Scenarios*, Water, 15(19), 3421, DOI: https://doi.org/10.3390/w15193421. **ISI I.F. = 3 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1b24D0e_NhgK9WX12H9yeSQuB61MOVciy/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1TdcEc7WiLpRu0ox7RULV_rgO8hL39fKC/view?usp=drive_link **(ultimii cinci ani)**	7	3	12.14
23	Shelar R.S., Nandgude S.B., Pande C.B., **Costache R.**, El-Hiti G.A., Tolche A.B., Son C.T., Yadav K.K. (2023) *Unlocking the hidden potential: Groundwater zone mapping using AHP, remote sensing and GIS techniques*, Geomatics, Natural Hazards and Risk, 14(1), 2264458, DOI: https://doi.org/10.1080/19475705.2023.2264458. **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/15A6IOVWgzlrshSu4bFJG3DcwZCHhu7qX/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1oFZAL-5CZ5U3QD6_kUgIZAQmQH2tQMgH/view?usp=drive_link **(ultimii cinci ani)**	8	4.5	14.37
24	Bien T.X., Iqbal M., Jamal A., Nguyen D. D., Phong T.V., **Costache R.***, Ho S.L., Le H.V., Nguyen H.B.T., Prakash I., Pham B.T. (2023) *Integration of Rotation Forest with MultiBoost Ensemble Methods with Forest by Penalizing Attributes for Spatial Prediction of Landslide Susceptible Areas*, Stochastic Environmental Research and Risk Assessment, 37(12), 4641–4660. DOI: https://doi.org/10.1007/s00477-023-02521-1. **ISI I.F. = 3.9 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1QfJHJGCzSvLz3N5jN0cISqfezfUGudt5/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1Zpd9fyYRRsm9s14S9ENvi0p0XNMmybkz/view?usp=drive_link **(ultimii cinci ani)**	11	3.9	9.36

25	Pandey A., Sarkar M.S., Palni S., Parashar D., Singh G., Kaushik S., Chandra N., **Costache R.**, Singh A.P., Mishra A.P., Almohamad H., Al-Mutry M., Abdo H.G. (2023) *Multivariate statistical algorithms for landslide susceptibility assessment in Kailash Sacred Landscape, Western Himalaya,* Geomatics, Natural Hazards and Risk, 14(1), 2227324, DOI: https://doi.org/10.1080/19475705.2023.2227324. **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1-aiX-zOlD_LDaHYRRXTNjWo3V1EvU6kG/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1oFZAL-5CZ5U3QD6_kUgIZAQmQH2tQMgH/view?usp=drive_link **(ultimii cinci ani)**	13	4.5	8.84
26	Jannat J.N., Mia M.Y., Jion M.M.M.F, Islam M.S., Ali M.M., Siddique M.A.B., Rakib M.R.J., Ibrahim S.M., Pal S.C., **Costache R.,** Malafaia G., Islam A.R.M.T. (2023) *Pollution trends and ecological risks of heavy metal(loid)s in coastal zones of Bangladesh: A chemometric review*, Marine Pollution Bulletin, 191, 114960. DOI: https://doi.org/10.1016/j.marpolbul.2023.114960. **ISI I.F. = 5.3 (Q1).** **Dovada indexare WOS și nr. autori:** **https://drive.google.com/file/d/1k3dMmY1FKuOlPigdrXu31QVR8oCwyPFj/view?usp=drive_link** **Dovada factor impact 2023:** **https://drive.google.com/file/d/1KIeuLHYMl-MhXtBtK6PoZ-8U96cbwO4o/view?usp=drive_link** **(ultimii cinci ani)**	12	5.3	10.91
27	Mia Md. U., Chowdhuri T.N., Chakrabortty R., Pal S.C., Al-Sadoon M.K., **Costache R.**, Islam A.R.M.T. (2023) *Flood Susceptibility Modeling Using an Advanced Deep Learning-Based Iterative Classifier Optimizer*, Land, 12(4), 810. DOI: https://doi.org/10.3390/land12040810. **ISI I.F. = 3.2 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1v-cfnNksv1sGYP0YFsIpa_nSmVv14njH/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1jNQwZdrouPO-krfQBsYgKto9gpRatTxt/view?usp=drive_link **(ultimii cinci ani)**	7	3.2	12.71
28	Pande C.B., **Costache R.**, Sammen S.S., Noor R., Elbeltagi A. (2023) *Combination of data-driven models and best subset regression for predicting the standardized precipitation index (SPI) at the Upper Godavari Basin in India*. Theoretical and Applied Climatology. DOI: https://doi.org/10.1007/s00704-023-04426-z. **ISI I.F. = 2.8** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1_VAaVSA4AJmBzIZTK4_qe4dqehEY6G-V/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/12HBzvuPKTmdDFMDA5kaVuvb_ppOy6ktp/view?usp=drive_link **(ultimii cinci ani)**	5	2.8	16.2
29	Chandra N., Singh G., Rai I.D., Mishra A.P., Kazmi M.Y., Pandey A., Jalal J.S., **Costache, R.,** Almohamad H., Al-Mutiry M., Al-Mutiry M., Abdo H.G. (2023) *Predicting Distribution and Range Dynamics of Three Threatened Cypripedium Species under Climate Change Scenario in Western Himalaya*. Forests, 14(3), 633. https://doi.org/10.3390/f14030633. **ISI I.F. = 2.4 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/17s1GJktiYPCPRHtMVWbl3OGzJ3uQzAmY/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1X-WVPGqUr1AEeTFOgVHXGE1i7k1OK_3h/view?usp=drive_link **(ultimii cinci ani)**	11	2.4	6.63
30	Bhagya S.B., Sumi A.S., Balaji S., Danumah J.H., **Costache R.**, Rajaneesh A., Gokul A., Chandrasenan C.P., Quevedo R.P., Johny A., Sajinkumar K.S., Saha S., Ajin R.S., Mammen P.C., Abdelrahman K., Fnais	17	3.2	5.23

	M.S., Abioui M. (2023) *Landslide susceptibility assessment of a part of the Western Ghats (India) employing the AHP and F-AHP models and comparison with existing susceptibility maps*, Land, 12(2), 468. https://doi.org/10.3390/land12020468. **ISI I.F. = 3.2 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1ANMJgsooBcdKhzevrI3CP23zhP6jDkf_/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1jNQwZdrouPO-krfQBsYgKto9gpRatTxt/view?usp=drive_link **(ultimii cinci ani)**			
31	Biswas T., Pal S.C., Ruidas D., Islam A.R.M.T., Saha A., **Costache R.**, Shit M. (2023) *Modelling of groundwater potential zone in hard rock-dominated drought-prone region of eastern India using integrated geospatial approach*, Environmental Earth Sciences, 82 (81). https://doi.org/10.1007/s12665-023-10768-8. **ISI I.F. = 2.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/14eG62zd-EHzX1InFxhmBQ4D0y0B6uJzW/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1xRcJhnnwfZ4a7gmTzP5LIR5AmlNHflw-/view?usp=drive_link **(ultimii cinci ani)**	7	2.8	11.57
32	Sinha A., Nikhil S., Ajin R.S., Danumah J.H., Saha S., **Costache R.**, Rajaneesh A., Sajinkumar K.S., Amrutha K., Johny A., MArzook F., Mammen P.C., Abdelrahman K., Fnais M.S., Abioui M. (2023) *Wildfire Risk Zone Mapping in Contrasting Climatic Conditions: An Approach Employing AHP and F-AHP Models*, Fire, 6(2), 44. DOI: https://doi.org/10.3390/fire6020044. **ISI IF = 3 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1WLfTRaCo0MxhQiRereI6BNqthacxa1E6/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1rgabexPdxSCNvVfL3u2pDiwXoWk5yVCV/view?usp=drive_link **(ultimii cinci ani)**	15	3	5.66
33	Varol M., Habib M.A., Islam A.R.M.T., Phoungthong K., Khan R., Islam M.S., Hasanuzzaman M., Mia M.Y., **Costache R.,** Pal S.C. (2023) *Receptor model-based source-specific health risks of toxic metal(loid)s in coal basin-induced agricultural soil in northwest Bangladesh*, Environmental Geochemistry and Health, 45(11), 8539-8564. DOI: https://doi.org/10.1007/s10653-023-01740-3**. ISI I.F. = 3.2 (Q2)** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1lNsJsNRiSCEeEBGFR1NKhmaOF5LlPp31/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1DVAdrGrKPW6nPNmdy42GriSny3EiKy85/view?usp=drive_link **(ultimii cinci ani)**	10	3.2	8.9
34	Abdo H.G., Almohamad H., Dughairi A.A.A., Ali S.A., Parvin F., Elbeltagi A., **Costache R.**, Mohammed S., Al-Mutiry M., Alsafadi K. (2022) *Spatial implementation of frequency ratio, statistical index and index of entropy models for landslide susceptibility mapping in Al-Balouta river basin, Tartous Governorate, Syria*, Geoscience Letters, 9:45. DOI: https://doi.org/10.1186/s40562-022-00256-5. **ISI I.F. = 4 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1_xPfDpYD59tmpIW9ymlj6gidEkby5aiQ/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1s-utxiLuaousUeguZDIp__r9Y6NCp7Dl/view?usp=drive_link **(ultimii cinci ani)**	10	4	10.5
35	Mithun, S., Sahana, M., Chattopadhyay, S., Chatterjee, S., Islam, J., & **Costache, R.** (2022). *Comparative*	6	3.8	16.83

	Framework for Spatially Explicit Urban Growth Modeling for Monitoring Urban Land-Use Efficiency and Sustainable Urban Development (SDG 11.3. 1): A study on Kolkata Metropolitan Area, India. Geocarto International, 37(27), 17933-17970. DOI: https://doi.org/10.1080/10106049.2022.2136259. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1TdfAL-jiFfhrydCI9pyt02K713BEbFCx/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**			
36	Yu, H., Arabameri, A., **Costache, R.,** Crăciun A., Arora, A. (2022). *Land subsidence susceptibility assessment using advanced artificial intelligence models.* Geocarto International. 37(27), 18067-18093. DOI: https://doi.org/10.1080/10106049.2022.2136265. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1OqeXJzwtqRMlXZDZelDlFyHx4o2hACeK/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	5	3.8	20.2
37	Bien T.X., Truyen P.T., Phong T.V., Nguyen D.D., Amiri M., **Costache R.***, Duc D.M., Le H.V., Nguyen H.B.T., Prakash I., Pham B.T. (2022), *Landslide Susceptibility Mapping at Sin Ho, Lai Chau Province, Vietnam Using Ensemble Models Based on Fuzzy Unordered Rules Induction Algorithm*, Geocarto International. 37(27), 17777-17798. DOI: https://doi.org/10.1080/10106049.2022.2136253. **ISI I.F. = 3.8 (Q2)** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1O_XrUNJnqHrnZJ7-0dQShRRCcu8I7rt0/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	11	3.8	9.18
38	Nguyen M.D., **Costache R.,** Sy A.H., Ahmadzadeh H., Le H.V., Prakash I., Pham B.T. (2022) *Novel approach for soil classification using machine learning methods*, Bulletin of Engineering Geology and the Environment, 81, 468. DOI: https://doi.org/10.1007/s10064-022-02967-7. **ISI I.F. = 4.2 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1__UB9-gUk-Z_VNbTwJFtS_s3mmpPX1oX/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1NX_oVh8g-t57DRFsKZyK7nzKRLvx8Vkw/view?usp=drive_link **(ultimii cinci ani)**	7	4.2	15.57
39	Crăciun A., **Costache R.**, Bărbulescu A., Pal S.C., Costache I., Dumitriu C.Ș. (2022) *Modern Techniques for Flood Susceptibility Estimation across the Deltaic Region (Danube Delta) from the Black Sea's Romanian Sector*, Journal of Marine Science and Engineering, 10(8), 1149. DOI: https://doi.org/10.3390/jmse10081149. **ISI I.F. = 2.9 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1qaurIN_KKRuKMxDySTxu5wLDNeyNrvM1/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1nN-c7SqClQ4AxKMwjXyey9eKAM9_mcE0/view?usp=drive_link **(ultimii cinci ani)**	6	2.9	13.83
40	Mia M.U., Rahman M., Elbeltagi A., Abdullah-al-Mahbub M., Sharma G., Islam H.M.T., Pal S.C., **Costache R.**, Islam A.R.M.T., Islam M.M., Ningsheng C., Alam E., Washakh R.M.A. (2022) *Sustainable flood risk assessment using deep learning-based algorithms with a blockchain technology*, Geocarto	13	3.8	7.76

	International. DOI: https://doi.org/10.1080/10106049.2022.2112982. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1xa3yK_fDhLsH7vHyT_fhAr55zfFDZ9r8/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**			
41	**Costache R.,** Alireza A., Costache I., Crăciun A., Pham B.T. (2022) *New machine learning ensemble for flood susceptibility estimation,* Water Resources Management. 36(12), 4765-4783. DOI: https://doi.org/10.1007/s11269-022-03276-0. **ISI I.F. = 4.3 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1e2SM_WGpn53PZ6JsYonZvyeGSWWN0Lx5/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1ONjiFN-knlQ32A37A8hfChQzgkyxuTxV/view?usp=drive_link **(ultimii cinci ani)**	5	4.3	22.2
42	Senan C.P.C., Ajin R.S., Danumah J.H., **Costache R.**, Arabameri A., Rajaneesh A., Sajinkumar K.S., Kuriakose S.L. (2022) *Flood vulnerability of a few areas in the foothills of the Western Ghats: A comparison of the AHP and F-AHP models*, Stochastic Environmental Research and Risk Assessment. 37(2), 527-556. DOI: https://doi.org/10.1007/s00477-022-02267-2. **ISI I.F. = 4.2 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/12BFq5PPu7b9gHww8bFN22Rm2_CXcj6qh/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/18Ksg9novrXasIZL4HRy_EanhWLtPiwrY/view?usp=drive_link **(ultimii cinci ani)**	8	4.2	13.62
43	Manzar M.S., Benaafi M., **Costache R.,** Alagha O., Mu'azu N.D., Zubair M., Abdullahi J., Abba S.I. (2022) *New generation neurocomputing learning coupled with a hybrid neuro-fuzzy model for quantifying water quality index variable: A case study from Saudi Arabia*, Ecological Informatics, 70, 101696. DOI: https://doi.org/10.1016/j.ecoinf.2022.101696. **ISI I.F. = 5.1(Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1A70PzpVAnvgmWwevBiY-7K_ho6dA_qda/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1GE2G0S9_JUjHvRCP1qGUEn-z-1c1SSMF/view?usp=drive_link **(ultimii cinci ani)**	8	5.1	15.87
44	**Costache R.**, Tin T.T., Arabameri A., Crăciun A., Costache I., Islam A.R.M.T., Sahana M., Pham B.T. (2022) *Stacking state-of-the-art ensemble for flash-flood potential assessment*, Geocarto International, 37(26), 13812-13838. DOI: https://doi.org/10.1080/10106049.2022.2082558. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1m00kFWgEVHwq_HIFsnrCgm6bADr6YzqE/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	8	3.8	12.62
45	**Costache R.,** Arabameri A., Costache I., Crăciun A., Islam A.R.M.T., Abba S.I., Sahana M., Pham B.T. (2022) *Flood susceptibility evaluation through deep learning optimizer ensembles and GIS techniques*, Journal of Environmental Management, 316, 115316. DOI: https://doi.org/10.1016/j.jenvman.2022.115316. **ISI I.F. = 8.7 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1HAKvZXIj1dAZA-Bm3GPPuOYraydI57DO/view?usp=drive_link	8	8.7	24.87

	Dovada factor impact 2022: https://drive.google.com/file/d/1Asv7Qtm0D_9aM4O-gFIpYNk5Faqxr5tz/view?usp=drive_link **(ultimii cinci ani)**			
46	Wen T., Tiewang W., Arabameri A., Nalivan O.A., Pal S.C., Saha A., **Costache R.** (2022) *Land-subsidence susceptibility mapping: Assessment of an adaptive neuro-fuzzy inference system–genetic algorithm (ANFIS–GA) hybrid model*, Geocarto International, 37(26), 12194-12218. DOI: https://doi.org/10.1080/10106049.2022.2066198. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/198R1_jm-SZNtb9zXBW5iG6eCz9tXhc75/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	7	3.8	14.42
47	**Costache R.,** Tin T.T., Arabameri A., Crăciun A., Ajin R.S., Costache I., Islam A.R..M.T., Abba S.I., Sahana M., Avand M., Pham B.T. (2022) *Flash-flood hazard using Deep Learning based on H2O R package and fuzzy-multicriteria decision-making analysis*, Journal of Hydrology, 609, 127747. DOI: https://doi.org/10.1016/j.jhydrol.2022.127747. **ISI I.F. = 6.4 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1yrhgpvQv9Npz-JQgw_Qjoabc6S-vlxU1/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1YIcK9-FDBO56sBACl_ueUZMkAfw7YZeG/view?usp=drive_link **(ultimii cinci ani)**	11	6.4	13.9
48	Arabameri A., Santosh M., Rezaie F., Saha S., **Costache R.**, Roy J., Mukherjee K., Tiefenbacher J., Moayedi H. (2022). *Application of novel ensemble models and k-fold CV approaches for Land subsidence susceptibility modelling*, Stochastic Environmental Research and Risk Assessment. 36(1), 201-223. DOI: 10.1007/s00477-021-02036-7. **ISI I.F. = 4.2 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1kG32-7rpEIVRk49WkNZHA8i9OrwZo06O/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/18Ksg9novrXasIZL4HRy_EanhWLtPiwrY/view?usp=drive_link **(ultimii cinci ani)**	9	4.2	12.11
49	**Costache R.,** Pham Q.B., Arabameri A., Diaconu D.C., Costache I., Crăciun A., Ciobotaru N., Pandey M., Arora A., Ali S.A., Pham B.T., Nguyen H., Tuan H.A., Avand M. (2022). *Flash-flood propagation susceptibility estimation using weights of evidence and their novel ensembles with multicriteria decision making and machine learning*, Geocarto International, 37(25), 8361-8393. DOI: https://doi.org/10.1080/10106049.2021.2001580. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1Hgma42g4LCL1YgTHJmZsaziAZMMS4yDM/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	14	3.8	7.21
50	Shang, L., Nguyen, H., Bui, X. N., Vu, T. H., **Costache R.,** Hanh L.T.M. (2022) *Towards state-of-the-art techniques in predicting and controlling slope stability in open-pit mines based on limit equilibrium analysis, radial basis function neural network, and brainstorm optimization*, Acta Geotechnica, 17(4), 1295-1314. DOI: https://doi.org/10.1007/s11440-021-01373-9. **ISI I.F. = 5.7 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1N1Wq4fwZIQC8h2_kTBnF3CeK8O5IgimI/view?usp=drive_link	6	5.7	23.16

	Dovada factor impact 2022: https://drive.google.com/file/d/1wdxaAWVJeRDuOsahpL1uXI9gIck-Yfil/view?usp=drive_link **(ultimii cinci ani)**			
51	Abedi R., **Costache R.**[#], Shafizadeh-Moghadam H., Pham Q.B. (2022) *Flash-flood susceptibility mapping based on XGBoost, Random Forest and Boosted Regression Trees*, Geocarto International. 37(19), 5479-5496. DOI: https://doi.org/10.1080/10106049.2021.1920636. **ISI I.F. = 3.8 (Q2).** **([#]co-first author).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1wp0wEZ5mJJNlsJSSQs7jUJ0FE54BZGNa/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	4	3.8	25.25
52	**Costache R.,** Ali S.A., Parvin F., Pham Q.B., Arabameri A., Nguyen H., Crăciun A., Anh D.T. (2022). *Detection of areas prone to flood-induced landslides risk using certainty factor and its hybridization with FAHP, XGBoost, and deep learning neural network*, Geocarto International, 37(25), 7303-7338. DOI: https://doi.org/10.1080/10106049.2021.1973115. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1cAqT_BcXR7tlclpQd47H3QRlfebUZjqI/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	8	3.8	12.62
53	**Costache R.***, Arabameri A., Moayedi H., Pham Q.B., Santosh M., Nguyen H., Pandey M., Pham B.T. (2022). *Flash-Flood Potential Index estimation using Fuzzy Logic combined with Deep Learning Neural Network, Naïve Bayes, XGBoost and Classification and Regression Tree*, Geocarto International, 37(23), 6780-6807. DOI: https://doi.org/10.1080/10106049.2021.1948109. **ISI I.F. = 3.8 (Q2).** **(*corresponding author).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1JjGF_yY8YHW0cxDWSPDAFKX0-jrFINbb/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	8	3.8	12.62
54	Hang H.T., Tung H., Hoa P.D., Phuong N.V., Phong T.V., **Costache R.***, Nguyen H.D., Amiri M., Le H.-A., Le H.V., Prakash I., Pham B.T. (2022) *Spatial Prediction of Landslides Along National Highway-6, Hoa Binh Province, Vietnam Using Novel Hybrid Models*, Geocarto International. 37(18), 5201-5226. https://doi.org/10.1080/10106049.2021.1912195. **ISI I.F. = 3.8 (Q2).** **(*corresponding author).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1QvvyF2sY7Eh6l-g6sMUzTPv0Zxya6a1M/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	12	3.8	8.41
55	Ha D.H., Nguyen P.T., **Costache R.**[*], Al-Ansari N., Phong T.V., Nguyen H.D., Amiri M., Sharma R., Prakash I., Le H.V., Nguyen H.B.T., Pham B.T. (2021). *Quadratic Discriminant Analysis Based Ensemble Machine Learning Models for Groundwater Potential Modeling and Mapping*, Water Resources Management, 35, 4415–4433. DOI: https://doi.org/10.1007/s11269-021-02957-6. **ISI I.F. =4.426 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1k4LdsUvW7eIp8mW-C-VWecNmzjJCArWR/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1gMW70CLr40xsW5zCojPVQwvQb1Nr-0ys/view?usp=drive_link	12	4.426	9.46

56	Yousefi S., Avand M., Yariyan P., Goujani H.J., **Costache R.**, Tavangar S., Tiefenbacher J.P. (2021). *Identification of the Most Suitable Afforestation Sites by Juniperus excels Specie Using Machine Learning Models: Firuzkuh Semi-arid Region, Iran*, Ecological Informatics, 65, 101427. DOI: 10.1016/j.ecoinf.2021.101427. **ISI I.F. = 4.498 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/15aOIXVY08NDbc5uUmRiLiRbFgVLHDZnu/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1LVDlMt144mBjEXq8EH4s1jZNEwhVFwKK/view?usp=drive_link	7	4.498	16.42
57	Pandey M., Arora A., Arabameri A., **Costache R.,** Kumar N., Mishra V.N., Nguyen H., Mishra J., Siddiqui M.A., Ray Y., Soni S., Shukla UK. (2021). *Flood susceptibility modelling in a subtropical humid low-relief alluvial plain environment: Application of novel ensemble machine learning approach*. Frontiers in Earth Science, 9, 659296. DOI: https://doi.org/10.3389/feart.2021.659296. **ISI AIS =3.661 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1R-m7NWCfrlMiqAGdvwq18ldbUgzJ1q3U/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/18tIG00S895oq-IQXGmYLd19zrMZV1SbE/view?usp=drive_link	12	3.661	8.18
58	Pham Q.B., Achour Y., Ali S.A., Parvin F., Vojtek M., Vojteková J., Al-Ansari N., Achu A.L., **Costache R.**, Khedher K.M., Anh D.T. (2021). *A comparison between fuzzy multi-criteria decision making, bivariate, multivariate and machine learning models in landslide susceptibility mapping*, Geomatics, Natural Hazards and Risk. 12(1), 1741-1777. DOI: https://doi.org/10.1080/19475705.2021.1944330. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1R7D7LgVo97e7g9Kmn1mOU6-BUGLVXKki/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link	11	3.922	9.4
59	Luu C., Bui Q.D., **Costache R.,** Nguyen L.T., Nguyen T.T., Phong T.V., Le H.V., Pham B.T. (2021). *Flood-prone area mapping using machine learning techniques: a case study of Quang Binh province, Vietnam*, Natural Hazards, 108, 3229–3251. DOI: https://doi.org/10.1007/s11069-021-04821-7. **ISI I.F. = 3.158 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1mPpOrNCrXmbHFhSR4Pyxsm-cOKI0Vds8/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1kN14H2lpRqOoeM__yuUv4zwUJkyJ6YOb/view?usp=drive_link	8	3.158	11.02
60	Dung N.V., Hieu N., Phong T.V., Amiri M., **Costache R.***, Al-Ansari N., Prakash I., Le H.V., Nguyen H.B.T., Pham B.T. (2021). *Exploring Novel Hybrid Soft Computing Models for Landslide Susceptibility Mapping in Son La Hydropower Reservoir Basin,* Geomatics, Natural Hazards and Risk, 12(1), 1688-1714. DOI: https://doi.org/10.1080/19475705.2021.1943544. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1V_qC0S_KrmxyU0n2AD93vNrTrmVBQ-Lf/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link	10	3.922	10.34
61	Pham B.T., Dao D.V., Acharya T.D., Phong T.V., **Costache R.**, Prakash I., Le H.V., Bui D.T. (2021) *Performance Assessment of Artificial Neural Network Using Chi-Square and Backward Elimination Feature Selection Methods for Landslide Susceptibility Analysis*, Environmental Earth Science, 80, 686, https://doi.org/10.1007/s12665-021-09998-5. **ISI I.F. = 3.119**	8	3.119	10.92

	Dovada indexare WOS și nr. autori: https://drive.google.com/file/d/1hVp96cq4pFnqf4XXBqVp9NdTajQdrbg3/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1ejViKVjnUAVaLYxDF2XVcETaKq0zt2eu/view?usp=drive_link			
62	Mohajane M., **Costache R.**[#], Karimi F., Pham Q.B., Essahlaoui A., Nguyen H., Laneve G., Oudija F. (2021) *Application of Remote Sensing and Machine Learning Algorithms for Forest Fire Mapping in a Mediterranean Area*, Ecological Indicators, 129, 107869. DOI: https://doi.org/10.1016/j.ecolind.2021.107869. **ISI I.F. = 6.263 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1r-pEgY0C-O8buyEs0N2Z5Y1vJrtyLJbk/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1c3cwotNZ3FtFHkrRozmxkKOtkD2LFyBP/view?usp=drive_link	8	6.263	18.78
63	Luu C., Pham B.T., Phong T.V., **Costache R.***, Nguyen H.D., Amiri M., Bui Q.D., Nguyen L.T., Le H.V., Prakash I., Trinh P.T. (2021) *GIS-Based Ensemble Computational models for Flood Susceptibility Prediction in the Quang Binh Province, Vietnam*, Journal of Hydrology. 599, 126500. https://doi.org/10.1016/j.jhydrol.2021.126500. **ISI I.F. = 6.708 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1ck0C9WeZh-K4n-ZCejIXfcB-eYLWMndR/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/11g-5Go2mInrmRyYipCdeAOw-HBdzgj_4/view?usp=drive_link	11	6.708	14.46
64	Ke B., Nguyen H., Bui X.-N., **Costache R.** (2021) *Estimation of Ground Vibration Intensity Induced by Mine Blasting Using a State-of-Art Hybrid Autoencoder Neural Network-Support Vector Regression Model*, Natural Resources Research, 30(5), 3853–3864. DOI: https://doi.org/10.1007/s11053-021-09890-w. **ISI I.F. = 5.609 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1vV2IGUKyltb4nJrxA0gER278CGoVVl9P/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1jAiFV2dHW8mrKFRZcs_US8ivPlMB6ssF/view?usp=drive_link	4	5.609	34.29
65	Arora A., Pandey M., Mishra V.N., Kumar R., Rai P.K., **Costache R.**, Punia M., Di L. (2021) *Comparative evaluation of geospatial scenario-based land change simulation models using landscape metrics*, Ecological Indicators, 128, 107810. DOI: https://doi.org/10.1016/j.ecolind.2021.107810. **ISI I.F. = 6.263 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1skLfM4ghbl0uqMt4F_HsNABbRhvqM6eR/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1c3cwotNZ3FtFHkrRozmxkKOtkD2LFyBP/view?usp=drive_link	8	6.263	18.78
66	**Costache R.**, Arabameri A., Elkhrachy I., Ghorbanzadeh O., Pham Q.B. (2021) *Detection of areas prone to flood risk using state-of-the-art machine learning models*, Geomatics, Natural Hazards and Risk, 12(1) 1488-1507. https://doi.org/10.1080/19475705.2021.1920480. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1y09bfJ1KtLoFenoC9MbGuVfU60y7XzoF/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link	5	3.922	20.968
67	Arabameri A., Santosh M., Saha S., Ghorbanzadeh O., Roy J., Tiefenbacher J.P., Moayedi H., **Costache R.** (2021) *Spatial prediction of the shallow landslide: Application of novel rotational forest-based reduced error pruning tree*, Geomatics, Natural Hazards and Risk. 12(1): 1343–1370. DOI:	8	3.922	13.1

	https://doi.org/10.1080/19475705.2021.1914753. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1A2dMtFr5rg2T_DV28CZ7f2-H9b46wN5D/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link			
68	Vojtek M., Vojteková J., **Costache R.,** Pham Q.B., Lee S., Arshad A., Sahoo S., Linh N.T.T., Anh D.T. (2021) *Comparison of multi-criteria-analytical hierarchy process and machine learning-boosted tree models for regional flood susceptibility mapping: A case study from Slovakia*, Geomatics, Natural Hazards and Risk. 12(1): 1153 – 1180. DOI: https://doi.org/10.1080/19475705.2021.1912835. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1gbnaw4T4cqG8d-PqzKQIJb3C2AZinVGF/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link	9	3.922	11.49
69	Wang Y., Fang Z., Hong H., **Costache R.***, Tang X. (2021) *Flood susceptibility mapping by integrating frequency ratio and index of entropy with multilayer perceptron and classification and regression tree*, Journal of Environmental Management, 289, 112449. DOI: https://doi.org/10.1016/j.jenvman.2021.112449. **ISI I.F. = 8.91 (Q1). (*corresponding author).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1M0-z8DG6miKO4Fq2Sb0XIRVkiKr4NdbL/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1rVaLTqLOsrg3y8yYRbChZhhqTK2IjkVN/view?usp=drive_link	5	8.91	40.64
70	Pham B.T., Vu V.D., **Costache R.***, Phong T.V., Ngo T.Q., Tran T.-H., Nguyen H.D., Amiri M., Tan M.T., Trinh P.T., Le H.V., Prakash I. (2022) *Landslide Susceptibility Mapping using state-of-the-art machine learning ensembles*, Geocarto International. 37(18), 5175-5200. DOI: https://doi.org/10.1080/10106049.2021.1914746. **ISI I.F. = 3.8 (Q2). (*corresponding author).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1TBrhzcx86xJd-81Eafhs6NZ2RMI_xgfW/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	12	3.8	8.41
71	**Costache R.,** Bărbulescu A., Pham Q.B. (2021) *Integrated framework for detecting the areas prone to flooding generated by flash-floods in small river catchments*, Water, 13(6), 758. https://doi.org/10.3390/w13060758. **ISI I.F. = 3.53 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1TRZxavOgyuN0hjXj8U76H3RH49t1c9Kc/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1p_HHlATHt3EVgKcODQa5W7IBFQfdWukH/view?usp=drive_link	3	3.53	31.86
72	Ke B., Nguyen H., Bui X.-N., Bui H.-B., Choi Y., Zhou J., Moayedi H., **Costache R.**, Nguyen-Trang T. (2021) *Predicting the sorption efficiency of heavy metal based on the biochar characteristics, metal sources and environmental conditions using various novel hybrid machine learning models*, Chemosphere, 276, 130204. DOI: https://doi.org/10.1016/j.chemosphere.2021.130204. **ISI I.F. = 8.943 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1-1QNHSd8OAxMOMOurbie9Nd9bluwozM7/view?usp=drive_link **Dovada factor impact 2021:**	9	8.943	22.65

	https://drive.google.com/file/d/12c6CM8yUlfvACLVSRguH7WcOv55eM5v7/view?usp=drive_link			
73	Yen H.P.H., Pham BT., Phong T.V., Ha D.H., **Costache R.,** Le H.V., Nguyen H.D., Amiri M., Tao N.V., Prakash I. (2021). *Locally weighted learning based hybrid intelligence models for groundwater potential mapping and modeling: case study at Gia Lai Province, Vietnam*. Geoscience Frontiers. 12(5): 101154. https://doi.org/10.1016/j.gsf.2021.101154. **ISI I.F. = 7.483 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1WV2VdGknSMNz6cmviPwjn1mwik_E24IN/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1FwsaZB47vokXJx3DJjjWUxvVYOJmvkFI/view?usp=drive_link	10	7.483	17.46
74	Diaconu D.C., **Costache R.,** Popa M.C. (2021) *An overview of flood risk analysis methods*, Water, 13(4), 474. https://doi.org/10.3390/w13040474. **ISI I.F. = 3.53 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1qKlnbRr4NEKu5uI3vx9cOAekv9tbnm9S/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1p_HHlATHt3EVgKcODQa5W7IBFQfdWukH/view?usp=drive_link	3	3.53	31.86
75	Zhang H., Nguyen H., Bui XN., Pradhan B., Asteris P.G., **Costache R.**, Aryal J. (2022) *A generalized artificial intelligence model for estimating the friction angle of clays in evaluating slope stability using a deep neural network and Harris Hawks optimization algorithm*. Engineering with Computers. 38(SUPPL 5), 3901-3914. https://doi.org/10.1007/s00366-020-01272-9. **ISI I.F. = 8.7 (Q1)** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1LIXNT9x2XNUxUcTa-mkIhRzOdT1_TQh5/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1mRZo8GH3lXfsoJDNhvmUHGeqxmyCbwSF/view?usp=drive_link **(ultimii cinci ani)**	7	8.7	28.42
76	Arabameri A., Pal S.C., **Costache R.,** Saha A., Rezaie F., Danesh A.S., Pradhan B., Lee S., Hoang N.-D. (2021). *Prediction of Gully Erosion Susceptibility Mapping using Novel Ensemble Machine 2 Learning Algorithms*, Geomatics, Natural Hazards and Risk, 12(1), 469-498. https://doi.org/10.1080/19475705.2021.1880977. **ISI I.F. = 3.922 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/164c9z2miveSccksmyXnLLtK7_l-ylS5qx/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1F7SR65RQTjMiFx3tnQ9OP-SGE3B91MLV/view?usp=drive_link	9	3.922	11.49
77	Saha A., Pal S.C., Arabameri A., Blaschke T., Panahi S., Chowdhuri I., Chakrabortty R., **Costache R.,** Arora A. (2021). *Flood Susceptibility Assessment Using Novel Ensemble of Hyperpipes and Support Vector Regression Algorithms*, Water, 13(2), 241. DOI: https://doi.org/10.3390/w13020241. **ISI I.F. = 3.53 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1rC1DCBzGqCqmRNRy579CeBgeskfJqtIb/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1p_HHlATHt3EVgKcODQa5W7IBFQfdWukH/view?usp=drive_link	9	3.53	10.62
78	**Costache R.,** Arabameri A., Blaschke T., Pham Q.B., Pham B.T., Pandey M., Arora A., Linh N.T.T., Costache I. (2021). *Flash-Flood Potential Mapping Using Deep Learning, Alter-nating Decision Trees and Data Provided by Remote Sensing Sensors*, Sensors, 21(1), 280. DOI: https://doi.org/10.3390/s21010280. **ISI I.F. = 3.847 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1NjoJQdT2ghwpQqmGLilreevxdSG7glzD/view?usp=drive_link	9	3.847	11.32

	Dovada factor impact 2021: https://drive.google.com/file/d/1VnVjS8dJAdh379xw4xg-C5GWLtnJrx7e/view?usp=drive_link			
79	Elkhrachy I., Pham Q.B., **Costache R.**, Mohajane M., Rahman K.U., Shahabi H., Linh N.T.T., Anh D.T. (2021). *Sentinel-1 Remote sensing data and HEC-RAS 2D Integration for Flash Flood Detection and Modelling in New Cairo City, Egypt*, Journal of Flood Risk Management. 14(2), e12692. https://doi.org/10.1111/jfr3.12692. **ISI I.F. = 4.005 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/11Vd6iFi-W_-gp4XFUhdkC5CoMqo_crCv/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1dN0ytRkA6CPE5EmVVZPdNmWc7gLNg6wS/view?usp=drive_link	8	4.005	13.13
80	Ali S.A., Parvin F., Vojteková J., **Costache R.**, Linh N.T.T., Pham Q.B., Vojtek M., Gigović L., Ahmad A., Ghorbani M.A. (2021) *GIS-Based Landslide Susceptibility Modeling: A Comparison between Fuzzy Multi Criteria and Machine Learning Algorithms*, Geoscience Frontiers. 12(2): 857-876. DOI: https://doi.org/10.1016/j.gsf.2020.09.004. **ISI I.F. = 7.483 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1UEcRQQPtEmCQf-l2Zu3o92aKE_rC2yLl/view?usp=drive_link **Dovada factor impact 2021:** https://drive.google.com/file/d/1FwsaZB47vokXJx3DJjjWUxvVYOJmvkFI/view?usp=drive_link	10	7.483	17.466
81	Yariyan P., Avand M., Abbaspour R.A., Haghighi A.T., **Costache R.**, Ghorbanzadeh O., Janizadeh S., Blaschke T. (2020). *Flood Susceptibility Mapping Using an Improved Analytic Network Process with Statistical Models*, Geomatics, Natural Hazards and Risk. 11(1): 2282-2314. DOI: https://doi.org/10.1080/19475705.2020.1836036. **ISI I.F. = 3.528 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1XeXURWyWoFMlolpFmIWKt2LdDBals0fJ/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1WvZLNXfyjCrptbVBCyyyB2AWQkJkAQDY/view?usp=drive_link	8	3.528	11.94
82	Sahana M., Pham B.T., Shukla M., **Costache R.***, Thu D., Chakrabortty R., Stayam N., Nguyen H.D., Phong T.V., Le H.V., Pal S.C., Areendran G., Imdad K., Prakash I. (2022) *Novel Hybrid Soft Computing Methods Based on Multi-layer Perceptron Neural Network Classifier*, Geocarto International. 37(10), 2747-2771. DOI: https://doi.org/10.1080/10106049.2020.1837262. **ISI I.F. = 3.8 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1XWxS8gjYWnOkisaN2f5kTYgdsG220k5J/view?usp=drive_link **Dovada factor impact 2022:** https://drive.google.com/file/d/1stCVFi_MfD8uhT78BHaKwgH8eKCTZiw2/view?usp=drive_link **(ultimii cinci ani)**	14	3.8	7.21
83	Talukdar S., Ghose B., Shahfahad, Salam R., Mahato S., Pham Q.B., Linh N.T.T., **Costache R.**, Avand M. (2020) *Flood susceptibility modeling in Teesta river basin, Bangladesh using novel ensembles of bagging algorithms*, Stochastic Environmental Research and Risk Assessment. 34(12), 2277-2300. DOI: https://doi.org/10.1007/s00477-020-01862-5. **ISI I.F. = 3.379 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/10Z0Hb8Kms4PLvXB40yhMquiCwt4VfuzJ/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1i_jaX79z2RVZV1knhyjB25wHGD-3lnh3/view?usp=drive_link	9	3.379	10.28
84	Nhu V-H., Ngo P.T.T., Pham T.D., Dou J., Song X., Hoang N.D., Tran D.A., Cao D.P., Aydilek I.B., Amiri M., **Costache R.**, Hoa P.V., Tien Bui D. (2020) *A new hybrid Firefly-PSO optimized random subspace*	13	4.848	9.38

	tree intelligence for torrential rainfall-induced flash flood susceptibility mapping, Remote Sensing, 12(17). DOI: https://doi.org/10.3390/rs12172688. **ISI I.F. = 4.848 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/18mcgWn3GJ9rmJK_nVbYEVFRW-UXQFnxl/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1lqNCaAc_CdepxO1YGMnswLRBqSWOiECZ/view?usp=drive_link			
85	Abba S.I., Linh N.T.T., Abdullahi J., Ali S.I.A., Pham Q.B., Abdulkadir R.A., **Costache R.**, Thai V.N., Anh D.T. (2020) *Hybrid Machine Learning Ensemble Techniques for Modeling Dissolved Oxygen Concentration*, IEEE Access, 8, 157218-157237. DOI: https://doi.org/10.1109/ACCESS.2020.3017743**. ISI I.F. = 3.367 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1DbHkeEmptpEH1EFxcqeVwfbIjEvx34DW/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1-5H7spvfoVYmj5RyesV3gX9TD512KoRa/view?usp=drive_link	9	3.367	10.26
86	Lei X., Chen W., Avand M., Janizadeh S., Kariminejad N., Shahabi H., **Costache R.**, Shahabi H., Shirzadi A., Mosavi A. (2020) *GIS-based machine learning algorithms to gully erosion susceptibility mapping in a semi-arid region of Iran*, Remote Sensing, 2478, 12(15). DOI: https://doi.org/10.3390/rs12152478. **4.848 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1mCxmTth9FUOPNiEtQTOVOkxn9_aBrzbV/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1lqNCaAc_CdepxO1YGMnswLRBqSWOiECZ/view?usp=drive_link	10	4.848	12.19
87	**Costache R.**, Tincu R., Elkhrachy I., Pham Q.B., Popa M.C., Diaconu D.C., Avand M., Costache I., Arabameri A., Tien Bui D. (2020) *New neural fuzzy based machine learning ensemble for enhancing the prediction accuracy of flood susceptibility mapping*, Hydrological Sciences Journal. 65(16): 2816-2837. DOI: https://doi.org/10.1080/02626667.2020.1842412. **ISI I.F. = 3.787 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1FVnBWlv4K2_L84bflSYqgOZL-HDvFrDM/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1kqHnRRCAV3HPRxkx4H09WLbAXrCYE5cW/view?usp=drive_link	10	3.787	10.07
88	Yariyan P., Janizadeh S., Phong T.V., Nguyen H.D., **Costache R**., Le H.V., Pham B.T., Pradhan B., Tiefenbacher J. (2020) *Improvement of Best First Decision Trees Using Bagging and Dagging Ensembles for Flood-risk Mapping*, Water Resources Management, 34(9), 3037-3053. DOI: https://doi.org/10.1007/s11269-020-02603-7. **ISI I.F. = 3.517 (Q12)** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1XVyduhns4UGwgVyrnHit5AcUqq-Q_9Fd/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1m1jC5Mmw8_c0WPXn_cbCFPSXWTuvV-Uj/view?usp=drive_link	9	3.517	10.59
89	Ali S.A., Parvin F., Pham Q.B., Vojtek M., Vojtekova J., **Costache R.**, Linh N.T.T., Nguyen H.Q., Ahmad A., Ghorbani M.A. (2020) *GIS-based comparative assessment of flood susceptibility mapping using hybrid multi-criteria decision-making approach, naïve Bayes tree, bivariate statistics and logistic regression: A case of Topl'a basin, Slovakia,* Ecological Indicators, 117, 106620. DOI: https://doi.org/10.1016/j.ecolind.2020.106620. **ISI I.F. = 4.958 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/15reLzjDPXJ7xcyFtz7bMBrpPPo9XhJIr/view?usp=drive_link	10	4.958	12.41

	Dovada factor impact 2020: https://drive.google.com/file/d/15_-vIkmJK-vyY1bV_0crW8GXnw7MfBFy/view?usp=drive_link			
90	**Costache R.,** Pham Q.B., Avand M., Linh N.T.T., Vojtek M., Vojtekova J., Lee S., Khoi D.N., Nhi P.T.T., Dung T.D. (2020) *Novel hybrid models between bivariate statistics, artificial neural networks and boosting algorithms for flood susceptibility assessment*, Journal of Environmental Management, 265, 110485. DOI: https://doi.org/10.1016/j.jenvman.2020.110485. **ISI I.F. = 6.789 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1MuYjppmPcPmCqyNSqdUWzb2eif12Y88v/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/10c6jVKrUHIzSBMF7IkHlSaQnMOEuIAOB/view?usp=drive_link	10	6.789	16.07
91	**Costache R.,** Popa M.C., Tien Bui D., Diaconu D.C., Ciubotaru N., Minea G., Pham Q.B. (2020) *Spatial predicting of flood potential areas using novel hybridizations of fuzzy decision-making, bivariate statistics, and machine learning*, Journal of Hydrology, 585, 124808, DOI: https://doi.org/10.1016/j.jhydrol.2020.124808. **ISI I.F. = 5.722 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1fZ-gtk-ey27PQIVzhWqDOepcEdjroRx-/view?usp=drive_link **Dovada factor impact 2020:** https://drive.google.com/file/d/1BtcGOj7XudIOVi_r-yiuBUeia-EF6wHj/view?usp=drive_link	7	5.722	19.92
			Total puncte	**1425.04**
			Total puncte ultimii 5 ani (2022-2026)	**885.83**

Restricții Profesor / CS I / Abilitare - satisfăcute – Minim 8 articole dintre care minim 2 trebuie să fie în reviste cu FI > 1 şi minim 2 în reviste cu FI>0.5.

2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în baze de date internaţionale (BDI)
Verificare surse: https://www.webofscience.com/wos/author/record/O-2843-2019 (WOS)
https://www.scopus.com/authid/detail.uri?authorId=55888132500 (SCOPUS)

Nr.	Titlu	Nr. autori	Punctaj BDI 20/nr autori
1	Cristian, P. M., Constantin, D. D., Gabriel, S. A., Ioan, V. F., & **Costache, R.** (2026). Integrating Near Real-Time Hydrological Data for Monitoring and Alerting: The RoWaterAPI Framework. *Geosciences*, *16*(2), 87. **-inclus în Baza de date SCOPUS** **https://doi.org/10.3390/geosciences16020087** (**dovada: https://www.scopus.com/pages/publications/105031290652?origin=resultslist**) **(ultimii cinci ani)**	5	4
2	Ajin, R. S., Senan, C. P. P. C., Devi, B. A., **Costache, R.,** Nagar, J. K., Rajaneesh, A., & Sajinkumar, K. S. (2025). Flood risk mapping in an urbanized tropical river basin in India using MCDA-AHP: a post-storm event evaluation. *Smart Construction and Sustainable Cities*, *3*(1), 10. – inclus în Baza de date **SCOPUS** **https://doi.org/10.1007/s44268-025-00053-x** (dovada: **https://www.scopus.com/pages/publications/105012621959?origin=resultslist**) **(ultimii cinci ani)**	7	2.85
3	Kumar, R., Devrani, R., Pandey, M., Deshmukh, B., & **Costache, R.** (2025). Semi-automated pixel and OBIA based approaches for gully feature extraction in the lower Chambal River basin, central India. *International Journal of River Basin Management*, 1-23. **-inclus în Baza de date SCOPUS** https://doi.org/10.1080/15715124.2025.2521098 (dovada: **https://www.scopus.com/pages/publications/105009409789?origin=resultslist**) **(ultimii cinci ani)**	5	4
4	Patra, S., Saha, A., Pal, S. C., Islam, A. R. M. T., Halder, K., Srivastava, A. K., Pande, C.B., Islam, A., **Costache, R.,** Alam E., & Islam, M. K. (2025). *Highlighting the role of traditional paddy for sustainable agriculture and livelihood: issues, policy intervention and the pathways*. Discover Sustainability, 6(1), 181. DOI: https://doi.org/10.1007/s43621-025-00989-1 -inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/105000460905?origin=resultslist) **(ultimii cinci ani)**	11	1.81
5	Jaydhar A.K., Pal S.C., Saha A., Islam A.R.M.T., Ruidas D., **Costache R.** (2024) *Hydrogeochemical properties of groundwater and associated human health hazards in coastal multi-aquifers of India,*	6	3.33

	Environmental Science and Pollution Research. 31(12), 18054–18073. DOI: https://doi.org/10.1007/s11356-023-27765-w. -inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85160302750?origin=resultslist) **(ultimii cinci ani)**		
6	Pal S.C., Biswas T., Ruidas D., Saha A., Shit M., Islam A.R.T.M., Islam A., **Costache R.** (2023). *Evaluation of groundwater contamination and associated human health risk in a water scarce hard rock-dominated region of India: issues, management measures and policy recommendation*, Groundwater for Sustainable Development, 23, 101039, DOI: 10.1016/j.gsd.2023.101039. **-inclus în Baza de date SCOPUS** DOI: https://doi.org/10.1016/j.gsd.2023.101039 (dovada: https://www.scopus.com/pages/publications/85177198471?origin=resultslist) **(ultimii cinci ani)**	8	2.5
7	Ruidas D., Saha A., Islam A.R.M.T., **Costache R.**, Pal S.C. (2023) *Development of geo-environmental factors controlled flash flood hazard map for emergency relief operation in complex hydro-geomorphic environment of tropical river, India*, Environmental Science and Pollution Research. 30(49), 106951–106966. DOI: https://doi.org/10.1007/s11356-022-23441-7 -inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85139719572?origin=resultslist) **(ultimii cinci ani)**	5	4
8	Imdad K., Rihan N., Sahana M., Parween P., Rashid R., **Costache R.**, Chaudhary A., Tripathi R. (2023) *Wetlands health, water quality and resident perceptions of declining ecosystem services: A case study of Mount Abu, Rajasthan, India*, Environmental Science and Pollution Research. 30(55), 116617–116643. DOI: https://doi.org/10.1007/s11356-022-21902-7 -inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85134479415?origin=resultslist) **(ultimii cinci ani)**	8	2.5
9	Ngo H.T.T., Dam N.D., Bui Q.-A.T., Al-Ansari N., **Costache R.***, Ha H., Bui Q.D., Mai S.H., Prakash I., Pham B.T. (2023) *Prediction of Flash flood Susceptibility of Hilly Terrain Using Deep Neural Network: A Case Study of Vietnam*, CMES-Computer Modeling in Engineering & Sciences, 135 (3), 2219-2241. DOI: https://doi.org/10.32604/cmes.2023.022566. - inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85143201030?origin=resultslist) **(ultimii cinci ani)**	10	2
10	Babitha, B. G., Danumah, J. H., Pradeep, G. S., **Costache, R.,** Patel, N., Prasad, M. K., Rajaneesh A., Pratheesh A., Mammen P.C., Ajin R.S. & Kuriakose, S. L. (2022). A framework employing the AHP and FR methods to assess the landslide susceptibility of the Western Ghats region in Kollam district. *Safety in extreme environments*, 4(2), 171-191. DOI: https://doi.org/10.1007/s42797-022-00061-5 - inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85138135524?origin=resultslist) **(ultimii cinci ani)**	10	2
11	Ajin, R. S., Saha, S., Saha, A., Biju, A., Costache, R., & Kuriakose, S. L. (2022). Enhancing the accuracy of the REPTree by integrating the hybrid ensemble meta-classifiers for modelling the landslide susceptibility of Idukki district, South-western India. *Journal of the Indian Society of Remote Sensing*, *50*(11), 2245-2265. DOI: https://doi.org/10.1007/s12524-022-01599-4 - inclus în Baza de date **SCOPUS** (**dovada:** https://www.scopus.com/pages/publications/85136722899?origin=resultslist) **(ultimii cinci ani)**	6	3.33
12	Chițu Z., Tomei F., Villani G., Di Felice A., Zampelli G., Păltineanu I. C., Vișinescu I., Dumitrescu A., Bularda M., Neagu D., **Costache R.,** Luca E. (2020) *Improving Irrigation Scheduling Using MOSES Short-Term Irrigation Forecasts and In Situ Water Resources Measurements on Alluvial Soils of Lower Danube Floodplain, Romania*, Water, 12(2), 520. DOI: https://doi.org/10.3390/w12020520 - inclus în Baza de date **SCOPUS** **(dovada:** https://www.scopus.com/pages/publications/85081718978?origin=resultslist**)**	12	1.66
13	**Costache R.,** Ngo P.T.T., Tien Bui D. (2020) *Novel Ensembles of Deep Learning Neural Network and Statistical Learning for Flash-Flood Susceptibility Mapping*, Water, 12(6), 1549. DOI: https://doi.org/10.3390/w12061549 - inclus în Baza de date **SCOPUS** **(dovada:** https://www.scopus.com/pages/publications/85086642496?origin=resultslist**)**	3	6.66
14	Mănoiu V., Fontanine I., **Costache R.**, Prăvălie R., Mitof I., (2013), *Using GIS techniques for assessing waste landfill placement suitability. Case study: Prahova County, Romania*, Geographia Techinca, 8(2), 47-56. – inclus în Baza de date **SCOPUS** https://technicalgeography.org/index.php/latest-issue-2-2013/118-05_manoiu **(dovada:** https://www.scopus.com/pages/publications/84885709290?origin=resultslist**)**	5	4
			Total puncte: 44.46
			Total puncte ultimii 5 ani (2022-2026): 32.32

Restricții Profesor / CS I / Abilitare - satisfăcute – Minimum 12 articole BDI sau echivalent ISI.

2.4 Granturi/proiecte câștigate prin competiție

2.4.1 Director/responsabil

2.4.1.1 Internaționale

- **Project no. 101123467** - Multi-hazard low-carbon resilient technologies and multi-scale digital services for a future-proof, sustainable & user-centred built environment (acronim: **MULTICARE**); **call**: HORIZON-CL5-2022-D4-02; **Granting authority**: European Climate, Infrastructure and Environment Executive Agency; **Perioada:** 01.10.2023 - 30.09.2027. **Responsabil de proiect** din partea Universității Transilvania din Brașov. **Buget partener**: 327.128,13 EURO; **Buget total:** 7.497.153,28 EURO. (se atașează dovezi din Grant Agreement).

= 20*4 ani = 80 p

Dovadă contract finanțare (Grant Agreement):
https://drive.google.com/file/d/1S2mCOi2sQUpHm1ol64IoGQXN2wCTNJhD/view?usp=drive_link
Dovadă echipă de cercetare – Decizie numire echipă (Manager proiect – Costache Romulus**) - aprobată de Rector UTBV:**
https://drive.google.com/file/d/1Xwdr5-kSTkARyl1n2oPNtBXLIb0Rhpbj/view?usp=drive_link
Dovadă echipă de cercetare EU Funding & Tenders Portal (print screen – pagina 2):
https://drive.google.com/file/d/13pgyZd-2TjTiCirIGle9g7iFjj6PNtlb/view?usp=drive_link

2.4.1.2 Naționale

- **PN-III-P1-1.1-PD-2019-0424-P -** Analiza integrată a susceptibilității la viituri rapide și inundații la nivelul României utilizând algoritmi de învățare automată si statistici bivariate (acronim: **RO-FLOOD-SUSCEP**); **Contract nr.:** PD226 / 08.04.2021**; Proiect de Cercetare Postdoctorală** finanțat de UEFISCDI prin **Programul 1** - Dezvoltarea sistemului național de cercetare-dezvoltare din **PN III. Perioada:** 08.04.2021 – 31.12.2022. (21 luni conform dovezilor atașate aferente Contractului). **Director de proiect** la Universitatea Transilvania din Brașov. **Buget:** 246.800 LEI.

= 10*1.75 ani = 17.5 p

Dovadă contract finanțare:
https://drive.google.com/file/d/1P-XI1GBrIwLngErvw4Rhatg8t5cXsfMN/view?usp=drive_link
Dovadă printscreen din platforma EVOC-UEFISCDI:
https://drive.google.com/file/d/1dp5A1HnwufbUmkGw-34KJCVEQv-2Ro2z/view?usp=drive_link

- **PN-IV-P8-8.1-PRE-HE-ORG-2023-0135 -** Tehnologii bazate pe emisii scăzute de carbon rezistente la hazarde multiple, și servicii digitale la scară multiplă destinate unui mediu construit durabil și centrat pe utilizator (acronim: **MULTICARE**); **Contract nr.:** 50PHE / 03.01.2024**; Proiect Premiere Orizont Europa - Instituții** finanțat de UEFISCDI prin **Programul 5.8 - Cooperare Europeană și Internațională** din **PN IV. Perioada:** 03.01.2024 – 31.12.2025. (24 luni conform dovezilor atașate aferente Contractului)

  Director de proiect la Universitatea Transilvania din Brașov. **Buget:** 163.560 LEI.

= 10*2 ani = 20 p

Dovadă contract finanțare:
https://drive.google.com/file/d/17wIq6loOY9PbtZ0aol8d3lPqAiz0hNTo/view?usp=drive_link
Dovadă printscreen din platforma EVOC-UEFISCDI:
https://drive.google.com/file/d/1hQl5Bc656ig_hEkgBKeO11NOQpfjiFY2/view?usp=drive_link

Punctaj total 117.5.

Restricție Profesor/ CS I/ Abilitare îndeplinită – minim 2 proiecte în calitate de Director (pentru instituția coordonatoare) / responsabil (pentru institutia partenera).

3. Justificare punctaj CNATDCU – Domeniul A3

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii si restricții	Subcategorii/ Activități	Indicatori / Punctaj	Punctaj realizat de candidat
0	1	2	3	4	5	6
3	Recunoastere si impactul activitatii (A3)	3.1. Citări în reviste ISI si BDI și în volumele conferințelor ISI și BDI (Nus se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul (autocitările)) (FI este factorul de impact al revistei în care se citează publicația candidatului/candidatei)	Minim 15 citări pentru Profesor/ CS I Minim 8 citări pentru Conferențiar/ CS II	3.1.1. Articole în reviste cotate ISI	10*FI/nr autori	1078.89
				3.1.2. Articole în volumele unor manifestari stiintifice indexate ISI	2,5/nr autori	-
				3.1.3. Articole în reviste indexate BDI	2/nr autori	50.05
				3.1.4. Articole în volumele unor manifestari stiintifice indexate BDI	1/nr autori	-
		3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale (keynote-speaker) și Profesor invitat pentru a susține module de curs/prelegeri (exclusiv ERASMUS)	Punctaj unic pentru fiecare activitate (maxim 10 activități pentru Profesor/CS I, maxim 5 activități pentru Conferențiar/CS II)	3.2.1. internaționale	10	-
				3.2.2. naționale	5	-
		3.3 Membru in colective de redacţie sau comitete ştiinţifice al revistelor si manifestărilor ştiinţifice, organizator de manifestări ştiinţifice; Recenzor pentru reviste şi manifestări ştiinţifice	Punctaj unic pentru fiecare activitate (maximum 10 activități pentru Profesor 1 CS I, maximum 5 activităţi pentru Conferenţiar/CS II) Punctaje unice pentru fiecare categorie, ce se acordă numai dacă sunt îndeplinite următoarele cerințe minimale, astfel: 3.3.1 minimum 2 colective de redacţie şi minimum 8 recenzii 3.3.2 - minimum 2 colective de redacţie şi minimum 8 recenzii 3.3.3 - minimum 2 comitete ştiinţifice şi minimum 12 recenzii Obs. Pentru reviste, comitete ştiinţifice şi manifestări ştiinţifice internaţionale, valorile minime specificate anterior se împart la 2	3.3.1 Membru în colective de redacție sau recenzor pentru reviste cotate ISI	10	100
				3.3.2 - Membru în colective de redacție sau recenzor pentru reviste indexate BDI	6	-
				3.3.3 - Membru în comitete științifice organizator sau recenzor pentru manifestări științifice	4	-
		3.4 Experienţa de management universitar sau de cercetare		3.4.1 Funcţii de conducere (rector, prorector, decan, prodecan, director departament, director şcoală doctorală, director general, director ştiinţific, director adjunct, şef secţie, şef laborator)	5*nr de ani	-
				3.4.2 Membru în organisme de conducere (senat, consiliul facultăţii, consiliul, ştiinţific)	2*nr de ani	-
Total puncte: 1228.94						
Total puncte ultimii 5 ani (2022-2026): 1078.89						

3.1 Citări în reviste ISI și BDI și în volumele conferințelor ISI si BDI (nu se iau în considerare autocitările) (Minim 15 citări pentru Profesor / CS I/ Abilitare – restricție îndeplinită)

Total – 5976 citări (conform Web of Science – exclus autocitări)
Sursa: **https://www.webofscience.com/wos/author/record/O-2843-2019**
Web of Science ResearcherID: O-2843-2019

Restricții Profesor / CS I / Abilitare - satisfăcute – Minim 15 citări.

3.1.1 Articole în reviste cotate ISI (10*FI/nr autori)

Articole luate în considerare pentru calculul punctajului (detaliat în ANEXA I)

Nr. crt.	Titlu articol citat	Nr. citări în reviste ISI (SCIE/SSCI)	Punctaj
1	Ajin R. S., **Costache R.*,** Bărbulescu A., Fanti R., Segoni, S. (2025). *Flood Susceptibility Assessment Using Multi-Tier Feature Selection and Ensemble Boosting Machine Learning Models,* Water, 17(14), 2041. DOI: https://doi.org/10.3390/w17142041; WOS:001539645100001. **ISI I.F. = 3 (Q2).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1sUfCTC36PcCckfBPTpuVpvY5V4Yv1uVh/view?usp=drive_link **(ultimii cinci ani)**	4	46.8
2	Diaconu D.C., **Costache R.***, Islam A.R.M.T., Pandey M., Pal S.C., Mishra A.P., Pande C.B. (2024) *Developing flood mapping procedure through optimized machine learning techniques. Case study: Prahova river basin, Romania*, Journal of Hydrology: Regional Studies, 54, 101892, DOI: https://doi.org/10.1016/j.ejrh.2024.101892; WOS:001269424900001 **ISI I.F. = 5 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/11odWrT_QiaViakh0S0PvGprKF_FFmR5s/view?usp=drive_link **(ultimii cinci ani)**	12	63.8
3	Pande C.B., Egbueri J.C., **Costache R.**, Sidek L.M., Wang Q., Alshehri F., Din N.M., Gautam V.K., Pal S.C. (2024) *Predictive modeling of land surface temperature (LST) based on Landsat-8 satellite data and machine learning models for sustainable development*, Journal of Cleaner Production, 444, 141035. DOI: https://doi.org/10.1016/j.jclepro.2024.141035; WOS:001199069000001 **ISI I.F. = 10(Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/1SJu-XsKIzNDOaQP-Xlnii5o2airZEcV0/view?usp=drive_link **(ultimii cinci ani)**	50	295.55
4	**Costache R.**, Pal S.C., Pande C.B., Islam A.R.M.T., Alshehri F., Abdo H.G. (2024) *Flood mapping based on novel ensemble modeling involving the deep learning, Harris Hawk Optimization algorithm and stacking based machine learning*, Applied Water Science, 14(4): 78. DOI: https://doi.org/10.1007/s13201-024-02131-4. WOS:001185742400008. **ISI I.F. = 5.7 (Q1).** **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS); si nr. autori:** https://drive.google.com/file/d/19Hqs2arik3_nEw8b0LvIyALg9urGcgKK/view?usp=drive_link **(ultimii cinci ani)**	16	131
5	Pande C.B., **Costache R.**, Sammen S.S., Noor R., Elbeltagi A. (2023) *Combination of data-driven models and best subset regression for predicting the standardized precipitation index (SPI) at the Upper Godavari Basin in India*. Theoretical and Applied Climatology. DOI: https://doi.org/10.1007/s00704-023-04426-z. **ISI I.F. = 2.8** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1_VAaVSA4AJmBzIZTK4_qe4dqehEY6G-V/view?usp=drive_link	20	162

	Dovada factor impact 2023: https://drive.google.com/file/d/12HBzvuPKTmdDFMDA5kaVuvb_ppOy6ktp/view?usp=drive_link **(ultimii cinci ani)**		
6	Shelar R.S., Nandgude S.B., Pande C.B., **Costache R.**, El-Hiti G.A., Tolche A.B., Son C.T., Yadav K.K. (2023) *Unlocking the hidden potential: Groundwater zone mapping using AHP, remote sensing and GIS techniques*, Geomatics, Natural Hazards and Risk, 14(1), 2264458, DOI: https://doi.org/10.1080/19475705.2023.2264458**.** WOS:001085649800001 **ISI I.F. = 4.5 (Q1).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/15A6IOVWgzlrshSu4bFJG3DcwZCHhu7qX/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1oFZAL-5CZ5U3QD6_kUgIZAQmQH2tQMgH/view?usp=drive_link **(ultimii cinci ani)**	10	46.38
7	Varol M., Habib M.A., Islam A.R.M.T., Phoungthong K., Khan R., Islam M.S., Hasanuzzaman M., Mia M.Y., **Costache R.,** Pal S.C. (2023) *Receptor model-based source-specific health risks of toxic metal(loid)s in coal basin-induced agricultural soil in northwest Bangladesh*, Environmental Geochemistry and Health, 45(11), 8539-8564. **ISI I.F. = 3.2 (Q2).** DOI: https://doi.org/10.1007/s10653-023-01740-3; WOS:001064905300003 **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1lNsJsNRiSCEeEBGFR1NKhmaOF5LlPp31/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1DVAdrGrKPW6nPNmdy42GriSny3EiKy85/view?usp=drive_link **ultimii cinci ani**	31	165.5
8	Haider S., Masood M.U., Rashid M., Alshehri F., Pande C.B., Katipoğlu O.M., **Costache R.** (2023) *Simulation of the Potential Impacts of Projected Climate and Land Use Change on Runoff under CMIP6 Scenarios*, Water, 15(19), 3421, DOI: https://doi.org/10.3390/w15193421. WOS:001081169800001 **ISI I.F. = 3 (Q2).** **Dovada indexare WOS și nr. autori:** https://drive.google.com/file/d/1b24D0e_NhgK9WX12H9yeSQuB61MOVciy/view?usp=drive_link **Dovada factor impact 2023:** https://drive.google.com/file/d/1TdcEc7WiLpRu0ox7RULV_rgO8hL39fKC/view?usp=drive_link **(ultimii cinci ani)**	29	167.86
			Total puncte: 1078.89

3.1.3. Articole în reviste indexate BDI

Articole analizate pentru calculul punctajului

Nr. crt.	Titlu	Nr. autori	Nr. citări	Punctaj 2/nr autori
1	**Costache R.**, Popescu C., (2013), The touristic accessibility in the Hunedoara County in terms of road network, *Geographia Techinca*, 8(2), 1-12. – inclus în Baza de date **SCOPUS** https://technicalgeography.org/index.php/latest-issue-2-2013/114-01-costache **dovada indexare:** https://www.scopus.com/pages/publications/84885721937?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/84885721937?origin=resultslist#tab=citedBy	2	4	4
2	Mănoiu V., Fontanine I., **Costache R.**, Prăvălie R., Mitof I., (2013), Using GIS techniques for assessing waste landfill placement suitability. Case study: Prahova County, Romania, *Geographia Techinca*, 8(2), 47-56. – inclus în Baza de date **SCOPUS** https://technicalgeography.org/index.php/latest-issue-2-2013/118-05_manoiu **dovada indexare:** https://www.scopus.com/pages/publications/84885709290?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/84885709290?origin=resultslist#tab=citedBy	5	15	6
3	**Costache R.,** (2014), Using GIS techniques for assessing Lag time and Concentration time in small river basins. Case study: Pecineaga river basin, Romania. *Geographia Technica*, 9(1), 31-38. – inclus în Baza de date **SCOPUS** https://technicalgeography.org/index.php/latest-issue-1-2014/125-04-costache **dovada indexare:** https://www.scopus.com/pages/publications/84896335585?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/84896335585?origin=resultslist#tab=citedBy	1	13	26
4	**Costache R.,** (2014), Estimating multiannual average runoff depth in the middle and upper sectors of Buzău River Basin, *Geographia Technica*, 9(2), 21-29. – inclus în Baza de date **SCOPUS** https://technicalgeography.org/index.php/latest-issue-II-2014/134-03-costache **dovada indexare:** https://www.scopus.com/pages/publications/84908355499?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/84908355499?origin=resultslist#tab=citedBy	1	4	8
5	Ajin, R. S., Senan, C. P. P. C., Devi, B. A., **Costache, R.,** Nagar, J. K., Rajaneesh, A., & Sajinkumar, K. S. (2025). Flood risk mapping in an urbanized tropical river basin in India using MCDA-AHP: a post-storm event evaluation. *Smart Construction and Sustainable Cities*, *3*(1), 10. – inclus în Baza de date **SCOPUS** **https://doi.org/10.1007/s44268-025-00053-x** **dovada indexare:** https://www.scopus.com/pages/publications/105012621959?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/105012621959?origin=resultslist#tab=citedBy	7	3	0.85
6	Babitha, B. G., Danumah, J. H., Pradeep, G. S., **Costache, R.,** Patel, N., Prasad, M. K., Rajaneesh A., Pratheesh A., Mammen P.C., Ajin R.S. & Kuriakose, S. L. (2022). A framework employing the AHP and FR methods to assess the landslide susceptibility of the Western Ghats region in Kollam district. *Safety in extreme environments*, 4(2), 171-191. - inclus în Baza de date **SCOPUS** https://doi.org/10.1007/s42797-022-00061-5 **dovada indexare:** https://www.scopus.com/pages/publications/85138135524?origin=resultslist **dovadă citări (exclus autocitări):** https://www.scopus.com/pages/publications/105012621959?origin=resultslist#tab=citedBy	10	26	5.2
				Total puncte: 50.05

3.3 Membru în colective de redacţie sau comitete ştiinţifice al revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice; Recenzor pentru reviste şi manifestări ştiinţifice

3.3.1 Membru în colective de redacţie sau recenzor pentru reviste cotate ISI

Membru în colective de redacţie reviste cotate ISI

Revista	Verificare sursă	Punctaj obţinut
Scientific Reports	https://www.nature.com/srep/about/editors	10
Advances in Civil Engineering	https://onlinelibrary.wiley.com/page/journal/7074/homepage/editorial-board Dovada (pe pagina 2 din pdf): https://drive.google.com/file/d/1g92EOCwYAaDcSQYSwuv2OV3P9ixCO1FT/view?usp=drive_link	10
International Journal of RF and Microwave Computer-Aided Engineering	https://onlinelibrary.wiley.com/page/journal/ijmce/homepage/editorial-board Dovada (pe pagina 1 din pdf): https://drive.google.com/file/d/1KrO1vrwOWkMBBIDlwc1eM0DGbwsKawev/view?usp=drive_link	10
Land	https://www.mdpi.com/journal/land/editors?q=costache	10
		Total puncte: 40

Recenzii verificate in Web of Science (sursa: **https://www.webofscience.com/wos/author/record/O-2843-2019**)
Dovadă recenzii în WOS: https://drive.google.com/file/d/1aP3Lpz8KaKuVRXIQSE01-SkOsI-HPD07/view?usp=drive_link

Revista	Nr. recenzii	Punctaj obţinut
Geomatics, Natural Hazards and Risk	19	10
Water	17	10
Journal of Flood Risk Management	13	10
Geo-Spatial Information Science	4	10
Remote Sensing	15	10
Sensors	4	10
		Total puncte: 60

Data: 20.04.2026

Candidat:

CS. dr. Romulus-Dumitru COSTACHE

ANEXA I – Calcul punctaj Citări articole ISI conform pct. 3.1.1

Articol citat:

1. Ajin R. S., **Costache R.*,** Bărbulescu A., Fanti R., Segoni, S. (2025). *Flood Susceptibility Assessment Using Multi-Tier Feature Selection and Ensemble Boosting Machine Learning Models,* Water, 17(14), 2041. DOI: https://doi.org/10.3390/w17142041; WOS:001539645100001. **ISI I.F. = 3 (Q2).**
(ultimii cinci ani)

Articole în care este citat (articole incluse în WOS – SCIE și SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Rahman, ZU; Zhang, MM; Chen, F; Ullah, S; Wang, L; Ahmad, Z; Baqa, MF (2026). *Spatiotemporal dynamics of flood susceptibility under future precipitation variability, population growth, and land cover change*. International Journal of Applied Earth Observation and Geoinformation, 147, 105193. http://doi.org/10.1016/j.jag.2026.105193; WOS:001703476300001 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1M5iAdMQZt1djLhvOE9Tf0HsTJ9CryVVb/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1CYwk4LjtCvQNltUP9oVgZ-Bqhu2GLtTB/view?usp=drive_link	8.6	5	17.2
2	Ghosh, D; Das, S (2026). *Modeling flood susceptibility and identifying optimal flood shelters for effective flood management in the Mahananda River Basin*. Advances in Space Research, 77(3), 3258-3280. http://doi.org/10.1016/j.asr.2025.11.084; WOS:001681671300001 **Dovada citare – WOS (poziția 3 în exportul PDF):** https://drive.google.com/file/d/1M5iAdMQZt1djLhvOE9Tf0HsTJ9CryVVb/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1cZRkeEgKg0IMu2yqH2IINxnQm2fjBNkx/view?usp=drive_link	2.8	5	5.6
3	Ajin, RS; Saha, A; Saha, S; Kanungo, DP (2025). *Improving the spatial prediction of machine learning-based landslide susceptibility models by integrating the particle swarm optimization algorithm*. Stochastic Environmental Research and Risk Assessment, 39(12), 5827-5854. http://doi.org/10.1007/s00477-025-03101-1; WOS:001572966500001 **Dovada citare – WOS (poziția 4 în exportul PDF):** https://drive.google.com/file/d/1M5iAdMQZt1djLhvOE9Tf0HsTJ9CryVVb/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/12Unj72RH_KhK1SjuxMhIMtKvnktZyGyN/view?usp=drive_link	3.6	5	7.2
4	Zerouali, B; Almaliki, AH; Santos, CAG (2025). *Flood susceptibility mapping in arid urban areas using SHAP-enhanced stacked ensemble learning: A case study of Jeddah*. Journal of Environmental Management, 393, 127128. http://doi.org/10.1016/j.jenvman.2025.127128; WOS:001564215400001 **Dovada citare – WOS (poziția 6 în exportul PDF):** https://drive.google.com/file/d/1M5iAdMQZt1djLhvOE9Tf0HsTJ9CryVVb/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Mifb8DmJncEAVLbXVpEUuT41FiVm1nqv/view?usp=drive_link	8.4	5	16.8
				Total puncte 46.8

Articol citat:

2. Diaconu D.C., **Costache R.***, Islam A.R.M.T., Pandey M., Pal S.C., Mishra A.P., Pande C.B. (2024) *Developing flood mapping procedure through optimized machine learning techniques. Case study: Prahova river basin, Romania*, Journal of Hydrology: Regional Studies, 54, 101892, DOI: https://doi.org/10.1016/j.ejrh.2024.101892; WOS:001269424900001 **ISI I.F. = 5 (Q1).**
(ultimii cinci ani)

Articole în care este citat (articole incluse în WOS – SCIE şi SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Xu, X; Wang, WG; Qian, KQ; Liu, YH; Mei, AJ; Zhu, XM; An, ZK; Shi, HY; Zheng, XY (2026). *Optimizing Waterbird Conservation in Urban Reservoirs: A Phenology-Synchronized Water Level Management Framework for Biodiversity Enhancement*. Wetlands, 46(3), 30. http://doi.org/10.1007/s13157-026-02045-8; WOS:001713014200001 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1YK6NWfoS65JqtuXKqysfCt0nlef5yRqu/view?usp=drive_link	2	7	2.9
2	Zhao, L; Wang, YK; You, Y; Wang, S; Wang, YX; Meng, CQ; Zhang, YK; Wang, D (2026*). Quantifying the drivers of river thermal regimes in the Hanjiang River Basin under climate change and reservoir construction*. Journal of Hydrology, 669, 135164. http://doi.org/10.1016/j.jhydrol.2026.135164; WOS:001701559800001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/19Tumd5xYtGiXmTGm-ISjIOWOJO7SXwjV/view?usp=drive_link	6.3	7	9
3	Nair, PG; Medhe, RS; Das, S; Chatterjee, U; Singh, D; Singh, TP; Ghosh, A (2025). *GIS-based flood vulnerability mapping in a tropical river basin using analytical hierarchy process (AHP) and machine learning approach*. Geocarto International, 40(1), 2551261. http://doi.org/10.1080/10106049.2025.2551261; WOS:001559792300001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1azMhz4xcbJyXaRWJUSTAWSfNQxZbtwF7/view?usp=drive_link	3.5	7	5
4	Muratoreanu, G; Dunea, D; Tanislav, D; Reid, M; Diaconu, DC; Costache, A; Serban, G; Pastor, I; Bretcan, P (2025). *Soil erosion susceptibility assessment in the Bistrita River basin (Romania) using machine learning algorithms and GIS*. Scientific Reports, 15(1), 44381. http://doi.org/10.1038/s41598-025-28184-2; WOS:001648016200012 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1KwmaQO2KlCmas9rymT0QqKEKJ2FYA2tR/view?usp=drive_link	3.9	7	5.6
5	Yousefi, S; Mardanian, S; Jaafari, A; Tavangar, Z (2026). *A reinforcement learning approach with explainable AI for spatial flood susceptibility analysis*. Journal of Hydrology-Regional Studies, 63, 103035. http://doi.org/10.1016/j.ejrh.2025.103035; WOS:001640510300001	5	7	7.1

	Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF): https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1sLjZKLbTFfmziGHHTMXaP0CU9qBRgqQI/view?usp=drive_link			
6	Fakana, ST; Falta, FF; Feleha, DD (2025). *Flood Susceptibility Mapping by Integrating GIS-Based Approach and Analytical Hierarchy Process (AHP): Wolaita Zone, Ethiopia*. Journal of Flood Risk Management, 18(4), e70166. http://doi.org/10.1111/jfr3.70166; WOS:001649719800026 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1mMOo-jBVyuhF5NtXgIbWAhrD2eED7shp/view?usp=drive_link	3.5	7	5
7	Abdo, HG; Richi, SM; Bindajam, AA; Zerouali, B; Katipoglu, OM; Prasad, P; Alharbi, MM; Ramadan, MS; Mallick, J; Ghribi, M (2025). *Machine learning-driven flood susceptibility mapping: comparing model performances and feature influences in a coastal watershed of the Eastern mediterranean*. Journal of Coastal Conservation, 29(6), 59. http://doi.org/10.1007/s11852-025-01138-6; WOS:001595523100001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Irj6Q-uARelQqKQ7tGRPM5FvVGfya73G/view?usp=drive_link	1.9	7	2.7
8	Arora, A; Durga, GP; Pandey, M; Arabameri, A (2025). *Machine learning model optimization for flood susceptibility zonation over the Kosi megafan, Himalayan foreland basin, India*. Scientific Reports, 15(1), 32757. http://doi.org/10.1038/s41598-025-07403-w; WOS:001580634200020 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1nSmeqi0iUwDCjqPu-zfBTKlaqGDi5dJx/view?usp=drive_link	3.9	7	5.6
9	Panahi, M; Khosravi, K; Rezaie, F; Kalantari, Z; Lee, JA (2025). *Unveiling global flood hotspots: Optimized machine learning techniques for enhanced flood susceptibility modeling*. Journal of Hydrology-Regional Studies, 58, 102285. http://doi.org/10.1016/j.ejrh.2025.102285; WOS:001440592300001 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Pwy6cgzkgWXNmuKDEsmuubbhBTF1fzHk/view?usp=drive_link	5	7	7.1
10	Halder, K; Ghosh, A; Srivastava, AK; Pal, SC; Chatterjee, U; Bisai, D; Ewert, F; Gaiser, T; Islam, AMT; Alam, E; Islam, MK (2024). *SAR-driven flood inventory and multi-factor ensemble susceptibility modelling using machine learning frameworks*. Geomatics Natural Hazards & Risk, 15(1), 2409202. http://doi.org/10.1080/19475705.2024.2409202; WOS:001333208000001 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3-4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/14LYmTYyKa_I485hq67mU-tkzIgr_mUUE/view?usp=drive_link	4.6	7	6.6

11	Sun, QQ; Song, W; Han, Z; Song, W; Wang, ZY (2024). *Assessment of Flood Disaster Risk in the Lancang-Mekong Region*. Water, 16(21), 3112. http://doi.org/10.3390/w16213112; WOS:001352076500001 **Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1P08C5u_JnOSEcor6oc7ePUTE-tyccBhr/view?usp=drive_link	3	7	4.3
12	Sarigöl, M (2024). *Evaluating the Accuracy of Machine Learning, Deep Learning and Hybrid Algorithms for Flood Routing Calculations*. Pure and Applied Geophysics, 181(12), 3485-3506. http://doi.org/10.1007/s00024-024-03575-0; WOS:001342069100002 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1HT3sx0QVSnWEmDhh1_F216UoL5LyK0bK/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1NqDhTGOSHLYa8PinWBH8DCBZYNV0zdze/view?usp=drive_link	1.9	7	2.7
				Total puncte 63.8

Articol citat:

3. Pande C.B., Egbueri J.C., **Costache R.**, Sidek L.M., Wang Q., Alshehri F., Din N.M., Gautam V.K., Pal S.C. (2024) *Predictive modeling of land surface temperature (LST) based on Landsat-8 satellite data and machine learning models for sustainable development*, Journal of Cleaner Production, 141035, https://doi.org/10.1016/j.jclepro.2024.141035; WOS:001199069000001 **ISI I.F. = 10 (Q1).**
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1	Yaseen, ZM; Halder, B; Tan, ML; Kilinc, HC; Ahmadianfar, I; Abba, SI; Heddam, S; Maulud, KNA; Demir, V; Al-Areeq, AM (2025). *Climate change impact analysis on seasonal drought and landforms using meteorological and remote-sensing-derived indices*. Acta Geophysica, 73(5), 4849-4881. http://doi.org/10.1007/s11600-025-01585-7; WOS:001488417400001 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4-5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1KsaaUegMK4X-NQ-6LmlpCkPCKq2IwZtu/view?usp=drive_link	2.1	9	2.33
2	Babaei, M; Rajaei, F; Siroosi, H; Alamdari, N (2026). *Geospatial analysis of Lake Urmia's drying: predicting land surface temperature changes using remote sensing and machine learning*. Advances in Space Research, 77(1), 526-548. http://doi.org/10.1016/j.asr.2025.10.013; WOS:001650857900001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4-5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1aaqfisFvyLTb0H0eEMcNJXTQLIlDDIF0/view?usp=drive_link	2.8	9	3.11
3	Zubair, M; Zafar, Z; Yao, SJ; Guo, ZY; Nadeem, AA; Fahd, S (2025). *Agricultural drought forecasting using remote sensing: A hybrid modeling framework by integrating wavelet transformation and machine learning techniques*. Agricultural Water Management, 321, 109922. http://doi.org/10.1016/j.agwat.2025.109922; WOS:001608452700001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):**	6.5	9	7.22

	https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4-5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1CS7uDoVlhb9_ikHMSCqbsCjxk6xGdEt2/view?usp=drive_link			
4	El Mghouchi, Y; Udristioiu, MT (2025). *Enhancing Agricultural Sustainability Through Intelligent Irrigation Using PVT Energy Applications: Implementing Hybrid Machine and Deep Learning Models*. Agriculture-Basel, 15(8), 906. http://doi.org/10.3390/agriculture15080906; WOS:001474733000001 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1vjqO02CkJS5OaSarTtgrfvsx_VYm4GJY/view?usp=drive_link	3.6	9	4.00
5	Lin, JY; Gan, W; Li, X; Xu, XC (2026). *Exploring the nonlinear and spatial effects of urban activity heterogeneity on the nighttime thermal environment using machine learning and GWR*. Building and Environment, 288, 113928. http://doi.org/10.1016/j.buildenv.2025.113928; WOS:001616817400006 **Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1qPwudvKlLgsdToLhrWicqoe0yV_1OdJs/view?usp=drive_link	7.6	9	8.44
6	Han, GS; Zhang, JQ; Gao, Y; Zhang, M; Chen, M; Liu, YM (2025). *Unraveling urban surface heat dynamics through deep ensemble machine learning*. Building and Environment, 286, 113769. http://doi.org/10.1016/j.buildenv.2025.113769; WOS:001585560600004 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1E1b9ChO4VIh0Ja5osaxjM31XnpV5K6FC/view?usp=drive_link	7.6	9	8.44
7	Wan, Y; Du, H; Xie, XY; Xu, XS; Tang, HD; Chai, XK; Yuan, L (2025). *Spatial heterogeneity in effects of horizontal and vertical environmental features of blocks on land surface temperature: A case study of Shenzhen, China*. Building and Environment, 272, 112670. http://doi.org/10.1016/j.buildenv.2025.112670; WOS:001425677000001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1E2O7YK7VTBww73uL3DcNkaRWtcjhxlfY/view?usp=drive_link	7.6	9	8.44
8	Yu, JH; Hu, Q; Li, JT (2024). *Combining visual intelligence and social-physical urban features facilitates fine-scale seasonality characterization of urban thermal environments*. Building and Environment, 266, 112088. http://doi.org/10.1016/j.buildenv.2024.112088; WOS:001319910100001 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1e0rBf1Mo-4rBBsi6T1LpEacd-Mfbh4GC/view?usp=drive_link	7.6	9	8.44
9	Li, X; Liu, XJ; Liu, LP; Sun, PF; Li, JJ; Li, XQ; Dong, Z; Chen, XC (2026). *Dual-zone framework for ecosystem service governance: linking functional gradients and ecosystem services bundles along an urbanization gradient*. Ecological Indicators, 184, 114707. http://doi.org/10.1016/j.ecolind.2026.114707; WOS:001702290400001	7.4	9	8.22

	Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF): https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1UKgXeJhXeaKd3CR9IygFG83d11kQEjue/view?usp=drive_link			
10	Lu, Y; Xu, CF; Wang, XQ (2025). *A novel modification framework for evaluating ecosystem service value in China's five major freshwater lakes and their surrounding cities from 2002 to 2022*. Ecological Indicators, 177, 113711. http://doi.org/10.1016/j.ecolind.2025.113711; WOS:001511533700004 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1V-JfPIKnQ-uBdtZNrDRPfRbqek2ErtaC/view?usp=drive_link	7.4	9	8.22
11	Qu, JS; Xu, ZL; Dong, B; Wang, H; Han, YX (2025). *Analyzing trade-offs, synergies, and driving factors of ecosystem services in Anhui Province using spatial analysis and XG-boost modeling*. Ecological Indicators, 171,113098. http://doi.org/10.1016/j.ecolind.2025.113098; WOS:001411513200001 **Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1R99Uu7N3Rzk1kfcOUW9dHJR2ddHjYyqz/view?usp=drive_link	7.4	9	8.22
12	Eneche, PSU; Atun, F; Zeng, YJ; Pfeffer, K (2024). *Robust drivers of urban land surface temperature dynamics across diverse landscape characters: An augmented systematic literature review*. Ecological Indicators, 163, 112056. http://doi.org/10.1016/j.ecolind.2024.112056; WOS:001261053500001 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1nGTWEwEx6SRPC-HPspF4f_2Z7G1eTEug/view?usp=drive_link	7.4	9	8.22
13	Abdelrahim, NAM; Jin, SG (2025). *A Novel Agricultural Remote Sensing Drought Index (ARSDI) for high-resolution drought assessment in Africa using Sentinel and Landsat data*. Environmental Monitoring and Assessment, 197(3), 242. http://doi.org/10.1007/s10661-025-13686-3; WOS:001414632800001 **Dovada citare – WOS (poziția 13 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1mcWYA6wo39DuV17_fx4BjxhZeFy0O7a5/view?usp=drive_link	3	9	3.33
14	Lee, JY; Yoo, Y; Lim, NO; Kim, Y; Chung, HI; Sung, HC; Jeon, SW (2025). *Impact factor and the range of ecological connectivity change due to development*. Environmental Research Communications, 7(4), 41007. http://doi.org/10.1088/2515-7620/adc906; WOS:001467518600001 **Dovada citare – WOS (poziția 14 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Z8K0Ysc7KitKMxzHWm3EzFn5Hf71arJ7/view?usp=drive_link	2.9	9	3.22
15	Fong, TY; Huang, YF; Chin, RJ; Koo, CH (2025). *Integrating remote sensing and meteorological data for AI-based land surface temperature prediction with feature selection approaches*. Environmental Sciences Europe, 37(1), 214. http://doi.org/10.1186/s12302-025-01222-6; WOS:001622331600003	6	9	6.67

	Dovada citare – WOS (poziția 15 în lista de citări din exportul PDF): https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1rjcFIM5TBY6y_TZmfAY-C9gkZ3f007ie/view?usp=drive_link			
16	Tian, ZK; Fu, YY; Zhou, T; Yi, CX; Kutter, E; Zhang, Q; Krakauer, NY (2024). *Estimating Forest Gross Primary Production Using Machine Learning, Light Use Efficiency Model, and Global Eddy Covariance Data*. Forests, 15(9), 1615. http://doi.org/10.3390/f15091615; WOS:001323203200001 **Dovada citare – WOS (poziția 16 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Az4rUaKHLtVy_NB9HVJ679AtJCJnZt2l/view?usp=drive_link	2.5	9	2.78
17	Ruiz-Valero, A; Pereña-Ortiz, JF; Salvo-Tierra, AE (2025). *Urban tree planting should consider local characteristics: assessing spatial heterogeneity in canopy cooling effects on land surface temperature using Bayesian spatially varying coefficient models*. Frontiers in Forests and Global Change, 8, 1644486. http://doi.org/10.3389/ffgc.2025.1644486; WOS:001631959500001 **Dovada citare – WOS (poziția 17 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1NXN6NNClZV3nihBkmyuXAuptR_iZJ8e-/view?usp=drive_link	3.2	9	3.56
18	Chen, SF; Chen, ZY; Hong, JW; Zhuang, XW; Su, CX; Ding, Z (2025). *Exploring the relationship between audio-visual perception in Fuzhou universities and college students' attention restoration quality using machine learning*. Frontiers in Psychology, 16, 1572426. http://doi.org/10.3389/fpsyg.2025.1572426; WOS:001530692300001 **Dovada citare – WOS (poziția 18 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/12tnjDxPTlzf9zXI5eJcW6OW7XXV88RoE/view?usp=drive_link	2.9	9	3.22
19	Yang, LS; Luo, P; Zhang, ZH; Song, YZ; Ren, K; Zhang, C; Awange, J; Atkinson, PM; Meng, LQ (2024). *A spatio-temporal unmixing with heterogeneity model for the identification of remotely sensed MODIS aerosols: Exemplified by the case of Africa*. International Journal of Applied Earth Observation and Geoinformation, 132, 104068. http://doi.org/10.1016/j.jag.2024.104068; WOS:001288262800001 **Dovada citare – WOS (poziția 19 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/17AdetEgQOsbyb_6xLcNl8-8LvRtuAmMp/view?usp=drive_link	8.6	9	9.56
20	Wijesena, S; Pradhan, B (2026). *Dynamic climate risk modelling for agriculture: A machine learning approach integrating crop phenology into weather index insurance*. International Journal of Disaster Risk Reduction, 136(), -106063. http://doi.org/10.1016/j.ijdrr.2026.106063; WOS:001697745200001 **Dovada citare – WOS (poziția 20 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1fszdyXiiUb4SYqwdw9xoHHVoHbdmQF64/view?usp=drive_link	4.5	9	5.00

21	Zhou, HJ; Yuan, JL; Zhao, YX; Zhang, J (2025). *Geospatial Variations in the Influence of Urban Environmental Attributes on Positive Emotions*. International Journal of Environmental Research, 19(5), 196. http://doi.org/10.1007/s41742-025-00835-2; WOS:001557045400001 **Dovada citare – WOS (poziția 21 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1HO5raWiHE1LYi1Na0k9fM3Of5c5XJndn/view?usp=drive_link	3.5	9	3.89
22	Wong, RYM; Bisignano, I; Ishii, S (2025). *Meteorological Remote Sensing Technologies for Passive Radiative Cooling Informatics: A Comprehensive Review*. International Journal of Thermophysics, 47(2), 26. http://doi.org/10.1007/s10765-025-03699-y; WOS:001649363700001 **Dovada citare – WOS (poziția 22 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1GVr3mTqcSsRy2-P1wWmlneCE1dIvS323/view?usp=drive_link	2.9	9	3.22
23	Jamaludin, NJ; Abdullah, AF; Muhadi, NA; Wayayok, A (2025). *Assessment and enhancement of Landsat 8 land surface temperature retrieval using mono window algorithm and machine learning approaches*. Journal of Atmospheric and Solar-Terrestrial Physics, 276, 106618. http://doi.org/10.1016/j.jastp.2025.106618; WOS:001584005200001 **Dovada citare – WOS (poziția 23 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1-jlSP1sLI9IFq345x4sXgiYpjv4U4fMx/view?usp=drive_link	1.9	9	2.11
24	Ci, MT; Liu, Q; Liu, YF; Jin, Q; Martinez-Valderrama, J; Zhao, JP (2024). *Multi-model assessment of potential natural vegetation to support ecological restoration*. Journal of Environmental Management, 367, 121934. http://doi.org/10.1016/j.jenvman.2024.121934; WOS:001286606100001 **Dovada citare – WOS (poziția 24 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada factor impact 2024 (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1RlfARWqfOHTuBeTY7MFduOLHRA6_Cv7S/view?usp=drive_link	8.4	9	9.33
25	Anurogo, W; Tarigan, APA; Seftyarizki, D; Prihantarto, WJ; Woo, J; Catarino, LD; Arora, AS; Gohaud, E; Meller, B; Schuetze, T (2025). *Cellular Automata-Artificial Neural Network Approach to Dynamically Model Past and Future Surface Temperature Changes: A Case of a Rapidly Urbanizing Island Area, Indonesia*. Land, 14(8), 1656. http://doi.org/10.3390/land14081656; WOS:001558645100001 **Dovada citare – WOS (poziția 25 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1r4zmo4IFslNB4yMNI51T4qZQqMljLgnU/view?usp=drive_link	3.2	9	3.56
26	Pandey, NK; Gupta, K; Satyam, N (2025). *Rock slope stability analysis using ensemble decision tree approaches and feature importance along an economic corridor in central India*. Physics and Chemistry of The Earth, 138, 103868. http://doi.org/10.1016/j.pce.2025.103868; WOS:001404906500001 **Dovada citare – WOS (poziția 26 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1S799jZzdy9KjxzkyQxzFEbxOtPbza-XD/view?usp=drive_link	4.1	9	4.56

27	Halder, B; Chatterjee, P; Rana, B; Bandyopadhyay, J; Pande, CB; Ahmed, KO; Elkhrachy, I; Radwan, N (2024). *Delineating the climate change impacts on urban environment along with heat stress in the Indian tropical city*. Physics and Chemistry of The Earth, 136, 03745. http://doi.org/10.1016/j.pce.2024.103745; WOS:001321769300001 **Dovada citare – WOS (poziția 27 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1UVWBQTT0zhoJ6SR47WxFcxNO-vT9Cw0i/view?usp=drive_link	4.1	9	4.56
28	Feng, YY; Wang, HM; Wu, J; Wang, Y; Shi, H; Zhao, J (2025). *Exploring the impact of urban spatial morphology on land surface temperature: A case study in Linyi City, China*. Plos One, 20(1), e0317659. http://doi.org/10.1371/journal.pone.0317659; WOS:001408273000058 **Dovada citare – WOS (poziția 28 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1BzmTf1KaLDyMX-QkvTNbrYCS0M7-IFZ8/view?usp=drive_link	2.6	9	2.89
29	Isikdag, Ü; Aydin, Y; Bekdas, G; Cakiroglu, C; Geem, ZW (2025). *Fire Resistance Prediction in FRP-Strengthened Structural Elements: Application of Advanced Modeling and Data Augmentation Techniques*. Processes, 13(10), 3053. http://doi.org/10.3390/pr13103053; WOS:001601588700001 **Dovada citare – WOS (poziția 29 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1NmVMK63n5xExK98ACfCsXADbo1gL7sok/view?usp=drive_link	2.8	9	3.11
30	Altuwaijri, HA; Al Kafy, A; Rahaman, ZA; Miah, MT; Raiyan, R; Nath, H; Jodder, PK (2025). *Predicting Spatiotemporal Dynamics of Land Use Influenced Thermal Patterns Using Remote Sensing-based Machine Learning Algorithms*. Rangeland Ecology & Management, 103. http://doi.org/10.1016/j.rama.2025.06.017; WOS:001576645100001 **Dovada citare – WOS (poziția 30 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/10s1awPqjsvrG_66xw0nXpJAKcOHSY8Kf/view?usp=drive_link	2.4	9	2.67
31	Wang, N; Shen, LD; Fei, WL; Liu, YG; Zhao, HJ; Liu, LY; Wang, AZ; He, BJ (2025). *Seasonal Effects of Urban Morphology on the Thermal Environment Based on Automated Machine Learning: A Case Study of Beijing*. Remote Sensing, 17(18), 3150. http://doi.org/10.3390/rs17183150; WOS:001581280100001 **Dovada citare – WOS (poziția 31 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1CGFOJXWEH4eE2pblnOiOD_qsKQBcvqll/view?usp=drive_link	4.1	9	4.56
32	Yang, XL; Yang, LQ; Huang, DP; Chen, L; Yang, YH; Luo, Y; Liu, Y; Na, JM; Ding, H (2025). *Revealing the Impact of Urban Morphology Evolution on the Urban Heat Island Effect in the Main Urban Area of Guangzhou: Insights from Local Climate Zones*. Remote Sensing, 17(17), 2959. http://doi.org/10.3390/rs17172959; WOS:001570128800001 **Dovada citare – WOS (poziția 32 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):**	4.1	9	4.56

	https://drive.google.com/file/d/1f9QA9-qK9n0XBmCtou0xxYuplHk4M5L0/view?usp=drive_link			
33	Ullah, Z; Mehmood, MS; Zhai, SY; Qin, YC (2025). *Analysis of LULC and Urban Thermal Variations in Industrial Cities Using Earth Observation Indices and Machine Learning: A Case Study of Gujranwala, Pakistan*. Remote Sensing, 17(14), 2474. http://doi.org/10.3390/rs17142474; WOS:001535778600001 **Dovada citare – WOS (poziția 33 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/13MMPSEEnhjvJvMPEU1jQ986f8rEmlHmq/view?usp=drive_link	4.1	9	4.56
34	Zafar, Z; Zhang, SQ; Zha, YY; Gilani, H (2026). *Evaluating land surface temperature trends and environmental interactions through machine learning and wavelet analysis*. Science China-Earth Sciences, 69(2), 528-551. http://doi.org/10.1007/s11430-025-1696-5; WOS:001640977100001 **Dovada citare – WOS (poziția 34 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Jj__jDM4yms1yc8YAuYHdYdXv8FEGlpL/view?usp=drive_link	5.8	9	6.44
35	Saad, A; Ahmed, AM; Shaban, M; Elngar, AA (2025). *Explainable machine learning framework for predicting cobalt ion removal by natural hematite*. Scientific Reports, 15(1), 35401. http://doi.org/10.1038/s41598-025-18981-0; WOS:001591900300003 **Dovada citare – WOS (poziția 35 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1pJbOG0YUXVlPcFVT9d3Dyw_M6WaGC1Bm/view?usp=drive_link	3.9	9	4.33
36	Ramu, TB; Kocherla, R; Sirisha, GNVG; Chetana, VL; Sagar, PV; Balamurali, R; Boddu, N (2025). *Transformer based models with hierarchical graph representations for enhanced climate forecasting*. Scientific Reports, 15(1), 23464. http://doi.org/10.1038/s41598-025-07897-4; WOS:001522003700028 **Dovada citare – WOS (poziția 36 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1vorOebdd-1eSem3GhhhEhPFvLUB4ezvh/view?usp=drive_link	3.9	9	4.33
37	Hoang, ND (2025). *Machine Learning Approaches for Geospatial Modeling of Urban Land Surface Temperature: Assessing Geographical Compactness, Interpretability, and Causal Inference*. Sensors, 25(17), 380. http://doi.org/10.3390/s25175380; WOS:001570086200001 **Dovada citare – WOS (poziția 37 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1vorOebdd-1eSem3GhhhEhPFvLUB4ezvh/view?usp=drive_link	3.5	9	3.89
38	Hoang, ND; Tran, V; Huynh, TC (2025). *From Data to Insights: Modeling Urban Land Surface Temperature Using Geospatial Analysis and Interpretable Machine Learning*. Sensors, 25(4), 1169. http://doi.org/10.3390/s25041169; WOS:001431730300001 **Dovada citare – WOS (poziția 38 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/165vOCDrsuvOjegTJl15GEHWpgiHP6t-R/view?usp=drive_link	3.5	9	3.89

39	Zhang, ZT; Guo, F; Zhang, HC; Dong, J (2026). *A Local Climate Zone-Based Seasonal Net-Benefit Assessment Model for the Urban Thermal Environment-A Case Study in a Cold-Region City*. Sustainability, 18(3), 1533. http://doi.org/10.3390/su18031533; WOS:001689966800001 **Dovada citare – WOS (poziția 39 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1wzsINEfGzAq6iNrm9ypD4uY3UlgbVVQc/view?usp=drive_link	3.3	9	3.67
40	Wang, ZZ; Zhang, WY; Huang, YM (2025). *Nonlinear Perceptual Thresholds and Trade-Offs of Visual Environment in Historic Districts: Evidence from Street View Images in Shanghai*. Sustainability, 17(24), 11075. http://doi.org/10.3390/su172411075; WOS:001647290700001 **Dovada citare – WOS (poziția 40 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/11_sGJ8AH8YShqX5by3db6EyaWid3cqjp/view?usp=drive_link	3.3	9	3.67
41	Zhang, H; Liu, R; Dawa, Z; Han, RC; Zhou, Q (2025). *What if transformers revolutionize geospatial forecasting? ConvLSTM-Transformer-ARIMA framework for LST forecasting*. Sustainable Cities and Society, 132, 106794. http://doi.org/10.1016/j.scs.2025.106794; WOS:001576783900001 **Dovada citare – WOS (poziția 41 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1HVlwmdfCUmR8ODBGPIgF6vUHK0Kfa02B/view?usp=drive_link	12	9	13.33
42	Zhao, HR; Cui, YH; Wang, J; Hao, S; Tian, JS; Liu, L; Li, AY; Zhang, SH (2025). *A multiscale and seasonal model for urban surface temperature prediction based on landscape, land use and spectral indices*. Sustainable Cities And Society, 131, 106783. http://doi.org/10.1016/j.scs.2025.106783; WOS:001568240200006 **Dovada citare – WOS (poziția 42 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1XGXj6ZKhq5b5Y-BY8f3ZaszftCExp-5E/view?usp=drive_link	12	9	13.33
43	Wang, Q; Wang, HT; Ren, LH; Chen, JL; Wang, XA (2024). *Hourly impact of urban features on the spatial distribution of land surface temperature: A study across 30 cities*. Sustainable Cities and Society, 113, 105701. http://doi.org/10.1016/j.scs.2024.105701; WOS:001284520800001 **Dovada citare – WOS (poziția 43 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1xstcikXnZ-9De_UAFl0u4TJxRAKp47R3/view?usp=drive_link	12	9	13.33
44	Jawarneh, R; Abulibdeh, A (2024). *Geospatial modelling of seasonal water and electricity consumption in Doha's residential buildings using multiscale geographically weighted regression (MGWR) and Bootstrap analysis*. Sustainable Cities and Society, 113, 105654. http://doi.org/10.1016/j.scs.2024.105654; WOS:001273596300001 **Dovada citare – WOS (poziția 44 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1jlnkU-VfP3pKdxEhuK7sYzKfD1-Oqtc0/view?usp=drive_link	12	9	13.33

45	Chen, H; Ma, TX; Shen, LX; Ye, BF; Ni, SY; Sun, HY (2026). *A Debris-Flow Hazard Assessment Framework Based on an Improved AHP-CRITIC Method: A Case Study of Gaoling Gully*. Transactions in GIS, 30(2), e70218. http://doi.org/10.1111/tgis.70218; WOS:001705452400001 **Dovada citare – WOS (poziția 45 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1zqGzkj62BCrP71ucipoJO5i-VnRNyzG9/view?usp=drive_link	2.3	9	2.56
46	Chen, SF; Qiu, YW; Xu, YH; Huang, JF; Ding, Z (2025). *Modeling and optimization of heat island networks based on machine learning and the perspective of spatial heterogeneity in metropolitan areas*. Urban Climate, 63, 102592. http://doi.org/10.1016/j.uclim.2025.102592; WOS:001566224300001 **Dovada citare – WOS (poziția 46 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Wgd1zAEILkojt1anKANYt4LjCI-fjtcw/view?usp=drive_link	6.9	9	7.67
47	Song, ST; Shi, J; Fan, DL; Cui, LL; Yang, HQ (2025). *Development of downscaling technology for land surface temperature: A case study of Shanghai, China*. Urban Climate, 61, 102412. http://doi.org/10.1016/j.uclim.2025.102412; WOS:001469388900001 **Dovada citare – WOS (poziția 47 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1D-xuY-NJ_4zX-h-qohLesEGogDhYttQf/view?usp=drive_link	6.9	9	7.67
48	Shi, Y; Fan, Q; Song, XA; Li, DD (2025). *Assessing the severity of urban heat transfer and flow across years: Evidence from thermal environment spatial networks*. Urban Climate, 61, 102401. http://doi.org/10.1016/j.uclim.2025.102401; WOS:001462373600001 **Dovada citare – WOS (poziția 48 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/190yiOwwXvBl1sXEgPZfY9dLgdwb0TymG/view?usp=drive_link	6.9	9	7.67
49	Yi, SA; Li, XJ; Tu, W; Zhao, TH (2025). *Planning for cooler cities: A multimodal AI framework for hyperlocal spatio-temporal urban heat stress prediction and mitigation*. Urban Forestry & Urban Greening, 114, 129101. http://doi.org/10.1016/j.ufug.2025.129101; WOS:001607402400001 **Dovada citare – WOS (poziția 49 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/145BFvzuuxzcWA-VDVUhiiIXdfzZXm_XG/view?usp=drive_link	6.7	9	7.44
50	Yalcinkaya, S; Dogan, F (2026). *Thermal hotspot detection in landfills using high-resolution land surface temperature data: A case study of active and closed sites*. Waste Management & Research, 44(1), 52-64. http://doi.org/10.1177/0734242X251360566; WOS:001557843600001 **Dovada citare – WOS (poziția 50 în lista de citări din exportul PDF):** https://drive.google.com/file/d/12KT3B3LUWLdQzQSNC7uNOqh-wc1DI4_T/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1ESzN8wAEiIKXTNElSlhIxLqPu7L7Rs2I/view?usp=drive_link	4.3	9	4.78
			Total puncte	295.55

Articol citat:

4. Costache R., Pal S.C., Pande C.B., Islam A.R.M.T., Alshehri F., Abdo H.G. (2024) *Flood mapping based on novel ensemble modeling involving the deep learning, Harris Hawk Optimization algorithm and stacking based machine learning*, Applied Water Science, 14(4): 78. DOI: https://doi.org/10.1007/s13201-024-02131-4. WOS:001185742400008. **ISI I.F. = 5.7 (Q1).**
(ultimii cinci ani)

Articole în care este citat (articole incluse în WOS – SCIE și SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Razavi-Termeh, SV; Bazargani, JS; Sadeghi-Niaraki, A; Song, HB; Choi, SM (2025). *Virtual reality-assisted visualization of flood susceptibility using optimized machine learning models*. Applied Water Science, 15(10), 257. http://doi.org/10.1007/s13201-025-02606-y; WOS:001591873500003 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1EqvuT0XLdiTe8M3ezxqfGyOAVmYu9W8y/view?usp=drive_link	5.7	6	9.50
2	Yi, S; Yi, J (2024). *Reservoir-based flood forecasting and warning: deep learning versus machine learning*. Applied Water Science, 14(11), 237. http://doi.org/10.1007/s13201-024-02298-w; WOS:001335837000002 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1QnKUE1Jf7jACS9JRuKrzU4gRd_ljs0TE/view?usp=drive_link	5.7	6	9.50
3	Anjum, MJ; Farooq, MS; Umer, T; Shaheen, M (2025). *Disaster identification scheme based on federated learning and Cognitive Internet of Vehicles*. Computer Communications, 240, 108216. http://doi.org/10.1016/j.comcom.2025.108216; WOS:001500401600001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/10rfzW16TIQ-2FdMV2G-_BZCiHtS6F0kv/view?usp=drive_link	4.3	6	7.17
4	Islam, AMT; Jibon, MJN; Siddik, MA; Mallick, J; Alqadhi, S; Pal, SC; Purohit, S; Senapathi, V (2025). *Predicting flood risks using advanced machine learning algorithms with a focus on Bangladesh: influencing factors, gaps and future challenges*. Earth Science Informatics, 18(3), 300. http://doi.org/10.1007/s12145-025-01816-x; WOS:001461681200005 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1dEfxEbAtmbVkxJjdFKZE-y1io5WEonMc/view?usp=drive_link	3	6	5.00
5	Wang, FL; Zhang, Q (2025). *Exploring the spatial association characteristics of carbon emission efficiency in China's construction industry: A network perspective*. Energy and Buildings, 329, 115289. http://doi.org/10.1016/j.enbuild.2025.115289; WOS:001424156400001 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link	7.1	6	11.83

	Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS): https://drive.google.com/file/d/17v_4DscP2urBz3wMiT4g2K1sfKwCvlUc/view?usp=drive_link			
6	Nair, PG; Medhe, RS; Das, S; Chatterjee, U; Singh, D; Singh, TP; Ghosh, A (2025). *GIS-based flood vulnerability mapping in a tropical river basin using analytical hierarchy process (AHP) and machine learning approach*. Geocarto International, 40(1), 2551261. http://doi.org/10.1080/10106049.2025.2551261; WOS:001559792300001 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1fvk7FwO6A_Uv7LgLcmuE3xCQeI4H6VYm/view?usp=drive_link	3.5	6	5.83
7	Shirmohammadi, M; Pirasteh, S; Li, J; Sharifikia, M (2026). *A novel CNN-LSTM-Attention model to forecast flood susceptibility under global climate scenarios*. Gondwana Research, 154, 82-102. http://doi.org/10.1016/j.gr.2025.12.020; c **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 7) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1FkVFTLbExNMZocrp-8YQzbxfpN_OtuUi/view?usp=drive_link	8.6	6	14.33
8	Ali, R; Sajjad, H; Saha, TK; Rahaman, MH; Sharma, A; Ganaie, DB (2025). *Assessment of flood risk using remote sensing data and machine learning models in Upper Jhelum Sub-catchment, India*. Human and Ecological Risk Assessment, 31(7-8), 993-1019. http://doi.org/10.1080/10807039.2025.2516586; WOS:001512582300001 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1jVmQygYD2VF6w-AbrSMVbNSAPXrV1kiG/view?usp=drive_link	2.7	6	4.50
9	Xiao, YQ; Wu, YJ (2025). *The suspension load deviation control method for high-power locomotives via Harris Hawk optimization*. Isa Transactions, 161, 289-301. http://doi.org/10.1016/j.isatra.2025.03.023; WOS:001486853200010 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/11CDpWixgQwmRaDTovzGWcIblIuoI83t_/view?usp=drive_link	6.5	6	10.83
10	Zerouali, B; Almaliki, AH; Santos, CAG (2025). *Flood susceptibility mapping in arid urban areas using SHAP-enhanced stacked ensemble learning: A case study of Jeddah*. Journal of Environmental Management, 393, 127128. http://doi.org/10.1016/j.jenvman.2025.127128; WOS:001564215400001 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1rF7ZH5JGdQ5ToXlMsp0ySzW6pZOP69Xn/view?usp=drive_link	8.4	6	14.00
11	Kaur, B; Binns, A; Mcbean, E; Sandink, D; Castro, K; Gharabaghi, B (2025). *Urban Flood Susceptibility Mapping for Toronto, Canada, Using Supervised Regression and Machine Learning Models*. Journal of Flood Risk Management, 18(2), e70051. http://doi.org/10.1111/jfr3.70051; WOS:001517218200012 **Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link	3.5	6	5.83

	Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS): https://drive.google.com/file/d/1a9z5YooPCacdeoNy6qurkiPI5pUSDJ5K/view?usp=drive_link			
12	Javidan, N; Kavian, A; Conoscenti, C; Jafarian, Z; Kalehhouei, M; Javidan, R (2024). *Development of risk maps for flood, landslide, and soil erosion using machine learning model*. Natural Hazards, 120(13), 11987-12010. http://doi.org/10.1007/s11069-024-06670-6; WOS:001241319700001 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5-6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1_MjvMqgUlRlxYx2nmk7IrvQIJBV5NnPq/view?usp=drive_link	3.7	6	6.17
13	Farokhzadeh, B; Choobeh, S; Imani, R (2026). *Robust monthly precipitation forecasts using VMD-decomposed hybrid LSSVM-BiLSTM model optimized by Harris Hawks algorithm*. Physics And Chemistry of The Earth, 142, 104257. http://doi.org/10.1016/j.pce.2025.104257; WOS:001657926400001 **Dovada citare – WOS (poziția 13 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1RVB0nzd7A8_fR8OGPz28FGEUE2zDB8n6/view?usp=drive_link	4.1	6	6.83
14	Zhang, YY; Wei, YQ; Yao, R; Sun, P; Zhen, N; Xia, X (2025). *Data Uncertainty of Flood Susceptibility Using Non-Flood Samples*. Remote Sensing, 17(3), 375. http://doi.org/10.3390/rs17030375; WOS:001419604000001 **Dovada citare – WOS (poziția 14 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Hbl7Bi5xkW7hPnYSi257aIGrVRpF9Nim/view?usp=drive_link	4.1	6	6.83
15	Zhen, L; Barbulescu, A (2025). *Variational Quantum Regression Application in Modeling Monthly River Discharge*. Water, 17(12), 1836. http://doi.org/10.3390/w17121836; WOS:001514682500001 **Dovada citare – WOS (poziția 15 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/13N6tH7A7mgi8EsizyxBIwh9ihyrlsVt5/view?usp=drive_link	3	6	5.00
16	Yasi, E; Shakib, TU; Sharmin, N; Rizu, TH (2024). *Flood and Non-Flood Image Classification using Deep Ensemble Learning*. Water Resources Management, 38(13), 5161-5178. http://doi.org/10.1007/s11269-024-03906-9; WOS:001243267900001 **Dovada citare – WOS (poziția 16 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1vgt1nZfzGDfVKSBjmWPKm2B5zEl5nHTz/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1e1YLsrDDfJcEKrEpbgRBOlnEwOpW5iHD/view?usp=drive_link	4.7	6	7.83
			Total puncte	131

Articol citat:

5. Pande C.B., **Costache R.**, Sammen S.S., Noor R., Elbeltagi A. (2023) *Combination of data-driven models and best subset regression for predicting the standardized precipitation index (SPI) at the Upper Godavari Basin in India*. Theoretical and Applied Climatology. DOI: https://doi.org/10.1007/s00704-023-04426-z. WOS:000957876300002. **ISI I.F. = 2.8**

(ultimii cinci ani)

Articole în care este citat (articole incluse în WOS – SCIE și SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Osman, AIA; Aldahoul, N; Chong, KL; Huang, YF; Ng, JL; Elshafie, A; Sherif, M; Ahmed, AN (2025). *A review on machine learning models for drought monitoring and forecasting.* Climate Risk Management, 50, 100758. http://doi.org/10.1016/j.crm.2025.100758; WOS:001627754200002 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1HVPwxCVyhH1FJO_DvkBYe4Re8BZ_4kJX/view?usp=drive_link	5	5	10
2	Pande, CB; Kushwaha, NL; Alawi, OA; Sammen, SS; Sidek, LM; Yaseen, ZM; Pal, SC; Katipoglu, OM (2024). *Daily scale air quality index forecasting using bidirectional recurrent neural networks: Case study of Delhi, India*. Environmental Pollution, 351, 124040. http://doi.org/10.1016/j.envpol.2024.124040; WOS:001242971300001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1ptB_PD4Qz8VdaV6EguoN4oTzEYDu2skC/view?usp=drive_link	7.3	5	14.6
3	Hamza, M; Niaz, R; Nafisah, IAH; Di Persio, L; Basheer, AM; Almazah, MMA (2025). *Integration of the analytic hierarchy process and Monte Carlo feature selection for a spatiotemporal weighting scheme in meteorological drought monitoring*. Geocarto International, 40(1), 2474614. http://doi.org/10.1080/10106049.2025.2474614; WOS:001455959000001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1TEqqNZ8ytNxj5PSF9WH9w2sWvxfnCM5o/view?usp=drive_link	3.5	5	7
4	Halder, B; Rana, B; Juneng, L; Pande, CB; Alshehery, S; Elsahabi, M; Yadav, KK; Sammen, SS; Naganna, SR (2024). *Cloud computing-based estimation of Peninsular India's long-term climate change impacts on rainfall, surface temperature, and geospatial indices*. Geomatics Natural Hazards & Risk, 15(1), 2381635. http://doi.org/10.1080/19475705.2024.2381635; WOS:001278660400001 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/11POKwhwccIXczU4ynHBZRU1alHXRmqPz/view?usp=drive_link	4.6	5	9.2
5	Kang, L; Wen, YL; Zhou, LW; Chen, H; Ye, JW (2023). *Drought driving mechanism and risk situation prediction based on machine learning models in the Yellow River Basin, China*. Geomatics Natural Hazards & Risk, 14(1), 2279493. http://doi.org/10.1080/19475705.2023.2279493; WOS:001100958500001 **Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF):**	4.6	5	9.2

	https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1xhjpNwxJYH_yRJ6D1B-rsHzaX-rx0Bx-/view?usp=drive_link			
6	Omokpariola, DO (2025). *Spatiotemporal analysis of atmospheric aerosols in African environments using MERRA-2 data (1980-2024): Impacts on climate extremes*. iScience, 28(8), 112995. http://doi.org/10.1016/j.isci.2025.112995; WOS:001537457800001 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1T34eDT9P-7ldQQGaQGs9y2ufu026qJ-6/view?usp=drive_link	4.1	5	8.2
7	Panda, KC; Paramaguru, PK; Singh, RM; Singh, SK (2026). *Assessing meteorological drought indices for monitoring agricultural drought using SPEI: a remote sensing approach*. Journal of Atmospheric and Solar-Terrestrial Physics, 279, 106726. http://doi.org/10.1016/j.jastp.2026.106726; WOS:001665931900001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1YpVx61G2L9Kmjh2N_dny9qTvzAhFNzYp/view?usp=drive_link	1.9	5	3.8
8	Sammen, SS; Mohammadpour, R; Alsafadi, K; Mokhtar, A; Shahid, S (2025). *Harnessing Novel Data-Driven Techniques for Precise Rainfall-Runoff Modeling*. Journal of Flood Risk Management, 18(1), e70013. http://doi.org/10.1111/jfr3.70013; WOS:001423362700001 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1NRPYZ_Xn4jFOy3Qcpd6tHOq3lKj_vbo9/view?usp=drive_link	3.5	5	7
9	Muthuvel, D; Sivakumar, B (2024). *Spatial propagation of different drought types and their concurrent societal risks: A complex networks-based analysis*. Journal of Hydrology, 636, 131247. http://doi.org/10.1016/j.jhydrol.2024.131247; WOS:001237115300001 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1r-6mLK4pyN-dTQZo1WxF6gnvU1Lvy6U7/view?usp=drive_link	6.3	5	12.6
10	Mohammed, S; Arshad, S; Alsilibe, F; Ul Moazzam, MF; Bashir, B; Prodhan, FA; Alsalman, A; Vad, A; Ratonyi, T; Harsányi, E (2024). *Utilizing machine learning and CMIP6 projections for short-term agricultural drought monitoring in central Europe (1900-2100)*. Journal of Hydrology, 633, 130968. http://doi.org/10.1016/j.jhydrol.2024.130968; WOS:001205510500001 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Y_ToXsJE4JoWvMznXd8wJFWVftKfuTI3/view?usp=drive_link	6.3	5	12.6
11	Lalika, C; Mujahid, AU; James, M; Lalika, MCS (2024). *Machine learning algorithms for the prediction of drought conditions in the Wami River sub-catchment, Tanzania*. Journal of Hydrology-Regional Studies, 53, 101794. http://doi.org/10.1016/j.ejrh.2024.101794; WOS:001235673500001 **Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF):**	5	5	10

	https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3-4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1CKKvE8immarDmglUIIemEU4Ncw3JDTnk/view?usp=drive_link			
12	Wang, SN; Xing, XG; Wu, YJ; Guo, JY; Li, MY; Fu, B (2024). *Seasonal Response of the NDVI to the SPEI at Different Time Scales in Yinshanbeilu, Inner Mongolia, China*. Land, 13(4), 523. http://doi.org/10.3390/land13040523; WOS:001209985400001 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1NRwiJQlFFeLwdmR-EoB-9-xq0dWIAVeg/view?usp=drive_link	3.2	5	6.4
13	Guria, R; Dwivedi, S; Nayak, P; Goswami, S; da Silva, RM; Santos, CAG; Dash, PC; Mishra, M; Dogar, MM; Meraj, G; Almazroui, M (2025). *A comprehensive 120-year assessment of drought dynamics and climate teleconnections in Odisha, India (1901-2020): insights from SPI and trend evaluation*. Natural Hazards. http://doi.org/10.1007/s11069-025-07336-7; WOS:001493364400001 **Dovada citare – WOS (poziția 13 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/18pg8FgAGl2BLgQv5f_jeSudOsguRj058/view?usp=drive_link	3.7	5	7.4
14	Choudhary, V; Punia, M; Bhattacharyya, S (2025). *Assessing the spatial characteristics of drought hazard in the state of Rajasthan*. Natural Hazards, 121(2), 1325-1352. http://doi.org/10.1007/s11069-024-06841-5; WOS:001291604000002 **Dovada citare – WOS (poziția 14 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1_LI7pPmcm8IghKx8RUwoeJlC3PMtKOvF/view?usp=drive_link	3.7	5	7.4
15	Sihag, P; Mehta, T; Sammen, SS; Pande, CB; Puri, D; Radwan, N (2024). *Predictive modelling of nitrogen dioxide using soft computing techniques in the Agra, Uttar Pradesh, India*. Physics and Chemistry of The Earth, 134,103589. http://doi.org/10.1016/j.pce.2024.103589; WOS:001227954100001 **Dovada citare – WOS (poziția 15 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/18RcAdJHS0QfrnAxSojCx3hnwmxB4Sb75/view?usp=drive_link	4.1	5	8.2
16	Coskun,; Citakoglu, H (2023). *Prediction of the standardized precipitation index based on the long short-term memory and empirical mode decomposition-extreme learning machine models: The Case of Sakarya, Turkiye*. Physics and Chemistry of The Earth, 131, 103418. http://doi.org/10.1016/j.pce.2023.103418; WOS:001008372400001 **Dovada citare – WOS (poziția 16 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS:** https://drive.google.com/file/d/1glCO06V_vwVm9mjztVw0H3UBX2egWLGd/view?usp=drive_link **Dovada factor impact 2023 (ediția 2023 a JCR):** https://drive.google.com/file/d/1h-mFMkImg1eYdGbs1-fgGX9Atgg6en-R/view?usp=drive_link	3	5	6

17	Niazkar, M; Piraei, R; Türkkan, GE; Hirca, T; Gangi, F; Afzali, SH (2024). *Drought analysis using innovative trend analysis and machine learning models for Eastern Black Sea Basin*. Theoretical and Applied Climatology, 155(3), 1605-1624. http://doi.org/10.1007/s00704-023-04710-y; WOS:001091300000001 **Dovada citare – WOS (poziția 17 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1m0RcuXsGeqUsFS-tZ4fIZF--JYQbv0pK/view?usp=drive_link	2.7	5	5.4
18	Yao, SX; Zhao, CC; Zhou, JX; Li, QF (2024). *The Association of Drought with Different Precipitation Grades in the Inner Mongolia Region of Northern China*. Water, 16(22), 3292. http://doi.org/10.3390/w16223292; WOS:001367220700001 **Dovada citare – WOS (poziția 18 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/13TSGSEDdSlDzGVT7nqzn1isUHvMRwH73/view?usp=drive_link	3	5	6
19	Sibiya, S; Mbatha, N; Ramroop, S; Melesse, S; Silwimba, F (2024). *Forecasting of Standardized Precipitation Index Using Hybrid Models: A Case Study of Cape Town, South Africa*. Water, 16(17),2469. http://doi.org/10.3390/w16172469; WOS:001311713700001 **Dovada citare – WOS (poziția 19 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Me7yWX3jKAjcVtLx1SMQ5BIdFePk6SEQ/view?usp=drive_link	3	5	6
20	Singh, B; Minocha, VK (2024). *Approximation in scour depth around spur dikes using novel hybrid ensemble data-driven model*. Water Science and Technology, 89(4), 962-975. http://doi.org/10.2166/wst.2024.025; WOS:001152551100001 **Dovada citare – WOS (poziția 20 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1bfy-Bu7k4fyN_HTzYurfIb9AmbbLqGxd/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/12IMl-XnJY0uClkA0BFqz0cw7LD0FDBwB/view?usp=drive_link	2.5	5	5
				Total puncte: 162

Articol citat:

6. Shelar R.S., Nandgude S.B., Pande C.B., **Costache R.**, El-Hiti G.A., Tolche A.B., Son C.T., Yadav K.K. (2023) *Unlocking the hidden potential: Groundwater zone mapping using AHP, remote sensing and GIS techniques*, Geomatics, Natural Hazards and Risk, 14(1), 2264458, DOI: https://doi.org/10.1080/19475705.2023.2264458**.** WOS:001085649800001 **ISI I.F. = 4.5 (Q1).**
(ultimii cinci ani)

Articole în care este citat (articole incluse în WOS – SCIE și SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Thiyagarajan, P; Tiwari, V; Mukherjee, M (2026). *MCDA, AHP and GIS-based groundwater recharge potential zones for coastal urban region, A case of Chennai, India*. Physics And Chemistry of The Earth, 142,1 04295. http://doi.org/10.1016/j.pce.2026.104295; WOS:001674764800001	4.1	8	5.13

	Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF): https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1FzrzCTAGES_izIU2HjnH4GTvQCUfK3xZ/view?usp=drive_link			
2	Appalanaidu, E; Sonkamble, S; Surinaidu, L; Nagaiah, E; Chandra, S (2026). *Geospatial and hydrogeophysical appraisal of a shallow aquifer in crystalline hard rocks: insights for sustainable irrigation practices in the Nagavali watershed, India*. Hydrogeology Journal, 34(1), 77-101. http://doi.org/10.1007/s10040-025-02990-4; WOS:001638397600001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1F2l-a1Sp1p5irXUruVTiM2fPzE6M706m/view?usp=drive_link	2.3	8	2.88
3	Gondo, R (2025). *Geospatial delineation of groundwater potential zones in the lower Okavango Delta, Botswana*. Physics And Chemistry of The Earth, 141, 104129. http://doi.org/10.1016/j.pce.2025.104129; WOS:001596369000001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Y_08P9gnA6YijlWnSNvUctW5Z84dIOJN/view?usp=drive_link	4.1	8	5.13
4	Moumane, A; Elmotawakkil, A; Hasan, MM; Kranjcic, N; Batchi, M; Karkouri, JA; Durin, B; Gomaa, E; El-Nagdy, KA; Youssef, YM (2025). *Integrating GIS, Remote Sensing, and Machine Learning to Optimize Sustainable Groundwater Recharge in Arid Mediterranean Landscapes: A Case Study from the Middle Draa Valley, Morocco*. Water, 17(15), 2336. http://doi.org/10.3390/w17152336; WOS:001548663500001 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1KYMuirmKCDSOSiz-pfGqSxWmxMQCjeU0/view?usp=drive_link	3	8	3.75
5	Shams, EMM; Sawires, R; Tawfiq, SNE; Youssef, HR; Li, WZ; El-Askary, H (2025). *Geospatial intelligence and multi-criteria analysis for mapping groundwater potential zones and sustainable resource management in Wadi Qena Basin, Eastern Desert, Egypt*. Applied Water Science, 15(7), 145. http://doi.org/10.1007/s13201-025-02487-1; WOS:001499623200011 **Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1IssyepcqZQKCa6vDTpqAXIB65nC8zvh1/view?usp=drive_link	5.7	8	7.13
6	Chelariu, OE; Minea, I; Iatu, C (2024). *Integrated assessment of geophysical and social vulnerability to natural hazards in North-East Region, Romania*. Geomatics Natural Hazards & Risk, 15(1), 2384607. http://doi.org/10.1080/19475705.2024.2384607; WOS:001285073600001 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1VS5fsfjcGx6mIfNmD8i6yBnnC2zLQjPG/view?usp=drive_link	4.6	8	5.75

7	Xu, R; Deng, JF; He, YS; Sui, GC; Li, XC; Yang, W (2024). *Research on the evaluation model of ecological environment change and its internal driving mechanisms*. Geomatics Natural Hazards & Risk, 15(1), 2330514. http://doi.org/10.1080/19475705.2024.2330514; WOS:001190868100001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1ZWBq_iwVsFqRX0C-PliXtnNOTde5cv3V/view?usp=drive_link	4.6	8	5.75
8	Gersl, M; Sedlácek, J; Oppeltová, P; Ulrich, O; Kohoutková, K; Vlcek, V; Klepárnik, R; Babák, V (2024). *Application of the GIS methods along with measured parameters to identify the NH4+ origin in the Hranice Karst (Czech Republic)*. Environmental Earth Sciences, 83(22), 631. http://doi.org/10.1007/s12665-024-11936-0; WOS:001352372200002 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1alBREcc0AbisJf1Y7awab5pcBU4-UFJ2/view?usp=drive_link	2.8	8	3.50
9	Kareem, HH; Nassrullah, SA (2024). *Groundwater potential zone mapping of Llandrindod Wells, Wales, UK using GIS, remote sensing, and analytic hierarchy process*. Journal of Water and Climate Change, 15(11), 5606-5625. http://doi.org/10.2166/wcc.2024.548; WOS:001338677300001 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Fq6mqwP236znYeMfT7YbvtoBohLT_9mu/view?usp=drive_link	3.1	8	3.88
10	Singh, A; Kumar, R; Kumar, R; Pippal, PS; Sharma, P; Tanuja; Sharma, A (2024). *Delineation of groundwater potential zone using geospatial tools and analytical hierarchy process (AHP) in the state of Uttarakhand, India*. Advances in Space Research, 73(6), 2939-2954. http://doi.org/10.1016/j.asr.2023.12.041; WOS:001168608600001 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1m_gPSUmYbgbO6PIAzIqHNT4a5Bz2bz1j/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1SSDilBAqfhOPSyxLvC9uXD295PyqUOxx/view?usp=drive_link	2.8	8	3.50
				Total puncte: 46.38

Articol citat:

7. Varol M., Habib M.A., Islam A.R.M.T., Phoungthong K., Khan R., Islam M.S., Hasanuzzaman M., Mia M.Y., **Costache R.,** Pal S.C. (2023) *Receptor model-based source-specific health risks of toxic metal(loid)s in coal basin-induced agricultural soil in northwest Bangladesh*, Environmental Geochemistry and Health, 45(11), 8539-8564. **ISI I.F. = 3.2.**
https://doi.org/10.1007/s10653-023-01740-3
WOS:001064905300003
ultimii cinci ani

Articole în care este citat (articole incluse în WOS – SCIE și SSCI):

Nr. crt.	Titlu articol	FI	Nr. autori articol citat	Punctaj (10*FI/nr Autori)
1	Li, J; Li, X; Wang, C; Liu, JZ; Gao, ZD; Li, KM; Tuo, XY; Zang, F (2024). *Pollution characteristics and probabilistic risk assessment of heavy metal (loid)s in agricultural soils across the Yellow River Basin, China*. Ecological Indicators, 167, 112676. http://doi.org/10.1016/j.ecolind.2024.112676; WOS:001331703400001 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Evm4GjHulW01TRJvhvbkAMov-g24D8uE/view?usp=drive_link	7.4	10	7.4
2	Rahman, MA; Jahan, CS; Rahaman, MF; Mazumder, QH (2025). *Simulation of river aquifer dynamics and water scarcity in left bank of river Ganges (Padma), Bangladesh*. Environment Development and Sustainability. http://doi.org/10.1007/s10668-024-05922-6; WOS:001386540100001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1jbr4NqJGezRub7n1qsLdcr40zo3Av4yw/view?usp=drive_link	4.2	10	4.2
3	Khan, MSH; Haque, ME; Ahmed, M; Mallick, J; Islam, ARMT; Fattah, MA (2024). *Quantitative analysis and modeling of groundwater flow using visual MODFLOW: a case from subtropical coal mine, northwest Bangladesh*. Environment Development and Sustainability, 26(5), 12971-12993. http://doi.org/10.1007/s10668-023-04052-9; WOS:001097740100006 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1PTxri9jTY0ULYPP_OiQ04TpTBplQct29/view?usp=drive_link	4.2	10	4.2
4	Ma, XH; Shao, ZL; Wang, YH; Tu, WD; Ma, LB; Wang, J (2025). *Integrated source apportionment and risk assessment prioritizes heavy metal control at an abandoned antimony smelter*. Environmental Geochemistry and Health, 47(10), 438. http://doi.org/10.1007/s10653-025-02754-9; WOS:001571671300002 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/15warshaxPCReID5SiwU8HXFMgmL_pXNY/view?usp=drive_link	3.8	10	3.8
5	Hossain, MK; Sultana, S; Karmaker, KD; Parvin, A; Saha, B; Moniruzzaman, M; Akhtar, US (2025). *Repercussions of anthropogenic activities on soil contamination: sources, distribution, and health risks of arsenic and other non-radioactive metals in urban Bangladesh*. Environmental Geochemistry and Health, 47(4), 126. http://doi.org/10.1007/s10653-025-02427-7; WOS:001449525100001	3.8	10	3.8

	Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF): https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1uOEXfeK4EXDXIYN3R50mu_VH4mEYUHXi/view?usp=drive_link			
6	Yan, BB; Li, XF; Yang, J; Wang, M; Zhang, RL; Song, XY (2024). *Assessment of health risks based on different populations and sources of heavy metals on agricultural lane in Tengzhou City by APCS-MLR models*. Environmental Geochemistry and Health, 46(11), 443. http://doi.org/10.1007/s10653-024-02227-5; WOS:001319917900012 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1vYrjTwGImXzpVqJA4XgcwEnH7Trl51NB/view?usp=drive_link	3.8	10	3.8
7	Rouhani, A; Newton, RA; Al Souki, KS; Quattrini, G; Gusiatin, MZ (2024). *A 6-year review status on soil pollution in coal mining areas from Europe*. Environmental Geochemistry and Health, 46(10), 392. http://doi.org/10.1007/s10653-024-02179-w; WOS:001296689900001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1HwlZ6ikQrqQazoCyJwb0yVuutxccXQTW/view?usp=drive_link	3.8	10	3.8
8	Chandra, GV; Golla, SY; Ghosh, PK (2024). *Review of soil environment quality in India near coal mining regions: current and future predictions*. Environmental Geochemistry and Health, 46(6), 194. http://doi.org/10.1007/s10653-024-01968-7; WOS:001225934200017 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1EsFK1MQfZJgJAPtIz2tkkIkpUQjoDbXM/view?usp=drive_link	3.8	10	3.8
9	Su, CH; Li, HC; Chen, SY; Shu, YS; Li, ZY; Zhang, Q; Yang, Y; Xiang, LJ (2025). *Source-oriented landscape apportionment of heavy metals by using an integrated approach in typical mining urban agricultural soil*. Environmental Pollution, 382, 126719. http://doi.org/10.1016/j.envpol.2025.126719; WOS:001521244300001 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1GbFt3W1fVJTWMXR32iUFryxTvZiNrVES/view?usp=drive_link	7.3	10	7.3
10	Khan, R; Siddique, MA; Chowdhury, YF; Ahmed, MN; Ullah, AKMA; Khan, MHR; Islam, AMT; Habib, MA; Khan, AHA; Aldawood, S; Idris, AM (2023). *Fluvial responses towards the tannery effluent: Tracing the anthropogenic foot-prints*. Environmental Pollution, 338, 122673. http://doi.org/10.1016/j.envpol.2023.122673; WOS:001100852100001 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1DRzcasOesMYq21Uf3mMjZbS5yMvCytgP/view?usp=drive_link	7.3	10	7.3

11	Zhang, YQ; Jiang, B; Gao, ZJ; Wang, M; Feng, JG; Xia, L; Liu, JT (2024). *Health risk assessment of soil heavy metals in a typical mining town in north China based on Monte Carlo simulation coupled with Positive matrix factorization model*. Environmental Research, 251,118696. http://doi.org/10.1016/j.envres.2024.118696; WOS:001221194400001 **Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1kEXH_HDqy6ICtVWZOYgPs3WjMANwY8Bv/view?usp=drive_link	7.7	10	7.7
12	Habib, MA; Akhi, SZ; Khan, R; Phoungthong, K; Basir, MS; Anik, AH; Islam, ARMT; Idris, AM (2024). *Elevated levels of environmental radioactivity in fluvial sediment: origin and health risk assessment*. Environmental Science-Processes & Impacts, 26(3), 555-581. http://doi.org/10.1039/d3em00455d; WOS:001155343000001 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1WwjuVSueytXlW-fkTNFrf_0r-BuCWWDx/view?usp=drive_link	3.9	10	3.9
13	Chand, V; Islam, AMT; Mia, MY; Islam, MS; Al Masud, MA; Khan, R; Pal, SC; Singh, SK; Deo, RR (2024). *Investigating soil physicochemical factors influencing trace element contamination at the semi-urban-rural home gardening interfaces on the Fiji Islands*. Geoderma Regional, 39, e00884. http://doi.org/10.1016/j.geodrs.2024.e00884; WOS:001342149400001 **Dovada citare – WOS (poziția 13 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1dZjWMCDka_qAXxitu3Hr3OB_ly_wlfRt/view?usp=drive_link	3.3	10	3.3
14	Akbarimorad, S; Martín, DB; Ardakani, SS (2025). *Concentrations, source identification and environmental risk assessment of potentially hazardous elements in agricultural soils of Hamedan, west of Iran*. International Journal of Environmental Analytical Chemistry, 105(11), 2649-2663. http://doi.org/10.1080/03067319.2024.2328762; WOS:001189729200001 **Dovada citare – WOS (poziția 14 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1yiWZZPsJL7mbBU2XYDHlI9bWWKWC7-Zg/view?usp=drive_link	2.5	10	2.5
15	Chakraborty, P; Singh, S; Wood, DA; Hazra, B; Kumar, P; Kumar, P (2025). *Spatio-temporal variation, integrated quantification of source attribution, and health risk assessment of metal trace element contamination in coal mining soils of the Eastern Raniganj basin, India*. Journal of Environmental Chemical Engineering, 13(3), 116567. http://doi.org/10.1016/j.jece.2025.116567; WOS:001471125000001 **Dovada citare – WOS (poziția 15 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1GwdtDjdoodfbL7FETClLMQ99bcDpxX3s/view?usp=drive_link	7.2	10	7.2
16	Ustaoglu, F; Yazman, MM; Batan, N; Yüksel, B (2026). *Disaster-induced toxic metal mobilization in post-earthquake street dust of Adıyaman, Türkiye: Pollution indices, receptor model source apportionment, and probabilistic health risk evaluation*. Journal of Hazardous Materials, 506, 141606. http://doi.org/10.1016/j.jhazmat.2026.141606; WOS:001707047700001	11.3	10	11.3

	Dovada citare – WOS (poziția 16 în lista de citări din exportul PDF): https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1ECAYiFvC8bGOMZuMdKbr8fWB4U7IhGil/view?usp=drive_link			
17	Zhou, Y; Ding, D; Zhao, YC; Li, Q; Jiang, DD; Lv, ZY; Wei, J; Zhang, ST; Deng, SP (2024). *Determining priority control toxic metal for different protection targets based on source-oriented ecological and human health risk assessment around gold smelting area*. Journal of Hazardous Materials, 468, 133782. http://doi.org/10.1016/j.jhazmat.2024.133782; WOS:001203129000001 **Dovada citare – WOS (poziția 17 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1-ye3GpVxLCv3Z8HZT4rhymsObI8QpOH4/view?usp=drive_link	11.3	10	11.3
18	Islam, AMT; Varol, M; Mallick, J; Mamun, MAA; Mia, MY; Siddique, MA; Islam, MS; Aktar, MN (2026). *Tracing source footprints of heavy metal(oid)s in coastal soils using traditional statistical techniques and machine learning data-driven models*. Marine Pollution Bulletin, 222, 118701. http://doi.org/10.1016/j.marpolbul.2025.118701; WOS:001572214000001 **Dovada citare – WOS (poziția 18 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1mhXPfXwjB7xx5IbfQnRogktFPtld4Rey/view?usp=drive_link	4.9	10	4.9
19	Islam, MS; Mahiddin, NA; Hemy, DH; Al Bakky, A; Antu, UB; Ismail, Z; Dristy, NJ; Roy, TK; Hasan, M; Ibrahim, KA; Idris, AM (2025). *Assessing heavy metals toxicity in marine bed sediments of the Bay of Bengal: A novel baseline study on geochemical speciation, source, and risks*. Marine Pollution Bulletin, 221, 118513. http://doi.org/10.1016/j.marpolbul.2025.118513; WOS:001550409400001 **Dovada citare – WOS (poziția 19 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/18GGMYdR0Zegw5fD0lGa-ZLcGX2I4NlHU/view?usp=drive_link	4.9	10	4.9
20	Rani, S; Ahmed, MK; Keliang, C; Hossain, KB; Yusuf, AM; Chowdhury, KMA; Habibullah-Al-Mamun, M; Khan, MI; Mahiddin, NA; Ismail, Z; Islam, MS (2025). *Occurrence of trace elements in water, fish and shellfish from estuarine and coastal areas of the east coast of Bangladesh, northeast Bay of Bengal: Human health risk implications*. Marine Pollution Bulletin, 213, 117675. http://doi.org/10.1016/j.marpolbul.2025.117675; WOS:001428975500001 **Dovada citare – WOS (poziția 20 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1bFJiKBrYIeGpyqMjZO9GzBOdDShX-56J/view?usp=drive_link	4.9	10	4.9
21	Akhi, SZ; Khan, R; Basir, MS; Habib, MA; Islam, MA; Naher, K; Idris, AM; Khan, MHR; Aldawood, S; Roy, DK (2024). *Exploring the alteration of environmental radioactivity in terms of compositional elements of heavy minerals in an anthropogenically affected urban river: Radiological and ecological risks assessment*. Marine Pollution Bulletin, 206, 116694. http://doi.org/10.1016/j.marpolbul.2024.116694; WOS:001272727800001 **Dovada citare – WOS (poziția 21 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):**	4.9	10	4.9

	https://drive.google.com/file/d/18CwKIncDRuX0CqYCuZLLP0mXqkp_T0CX/view?usp=drive_link			
22	Basir, MS; Khan, R; Akhi, SZ; Ullah, AKMA; Islam, MA; Naher, K; Idris, AM; Khan, MHR; Aldawood, S; Saha, N (2024). *Source specific sedimentary response towards the differential anthropogenic impacts in terms of potentially toxic elements in an urban river*. Marine Pollution Bulletin, 203, 116425. http://doi.org/10.1016/j.marpolbul.2024.116425; WOS:001240006300001 **Dovada citare – WOS (poziția 22 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/17rwrgI33wYhX6B2dlUck7lq_xEiaqQ1n/view?usp=drive_link	4.9	10	4.9
23	Khan, R; Basir, MS; Akhi, SZ; Anik, AH; Hossain, S; Islam, HMT; Islam, ARMT; Idris, AM; Khan, MHR; Aldawood, S; Tareq, SM (2023). *Radiation exposure and health concerns associated with the environmental geochemistry of relatively higher radioactivity in a fresh water basin*. Marine Pollution Bulletin, 196, 115588. http://doi.org/10.1016/j.marpolbul.2023.115588; WOS:001093933000001 **Dovada citare – WOS (poziția 23 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/1ROngKSVMLV3s56m3mQYdUu2qrtqLmhTi/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1ny9xFQHI1jfCd9XWp_l-h1Hu-nPFA5wK/view?usp=drive_link	5.3	10	5.3
24	Al Yeamin, A; Mia, MY; Khan, SR; Rahman, MS; Senapathi, V; Islam, AMT; Choudhury, TR (2025). *Innovative strategies for pollution assessment in Northern Bangladesh: Mapping pollution areas and tracing metal(loid)s sources in various soil types*. Plos One, 20(2), e0311270. http://doi.org/10.1371/journal.pone.0311270; WOS:001426772400031 **Dovada citare – WOS (poziția 24 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Ki-fO8i9pfG4V9jS56xxp_0pbBBUENSb/view?usp=drive_link	2.6	10	2.6
25	Ma, L; Wang, J; Liu, X (2026). *Quantitative Source Identification of Heavy Metals in Soil via Integrated Data Mining and GIS Techniques*. Processes, 14(2), 248. http://doi.org/10.3390/pr14020248; WOS:001670457600001 **Dovada citare – WOS (poziția 25 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1ar7ZXiRyDyqAj2UFJJOwKLbgLfqIL5aJ/view?usp=drive_link	2.8	10	2.8
26	Uddin, R; Hopke, PK; Van Impe, J; Sannigrahi, S; Salauddin, M; Cummins, E; Nag, R (2024). *Source identification of heavy metals and metalloids in soil using open-source Tellus database and their impact on ecology and human health*. Science of The Total Environment, 953, 175987. http://doi.org/10.1016/j.scitotenv.2024.175987; WOS:001314114600001 **Dovada citare – WOS (poziția 26 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1XC8d5Pe6wd9B0iSCvyNtF3vQqkW4MIFA/view?usp=drive_link	8	10	8
27	Zhao, JY; Cao, CY; Chen, X; Zhang, WY; Ma, TQ; Irfan, M; Zheng, LG (2024). *Source-specific ecological risk analysis and critical source identification of heavy metal(loid)s in the soil of typical*	8	10	8

	abandoned coal mining area. Science of The Total Environment, 947, 174506. http://doi.org/10.1016/j.scitotenv.2024.174506; WOS:001267654100001 **Dovada citare – WOS (poziția 27 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1W6BiAk9S2hlamROtFy4OZxhkqwwpPS_s/view?usp=drive_link			
28	Liu, YF; Xu, F; Wang, HJ; Huang, XM; Wang, DJ; Fan, ZQ (2024). *Optimizing health risk assessment for soil trace metals under low-precision sampling conditions: A case study of agricultural soil*. Science of The Total Environment, 944, 173797. http://doi.org/10.1016/j.scitotenv.2024.173797; WOS:001259078500001 **Dovada citare – WOS (poziția 28 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1zGi0TvPUBTrX57B1voNtxgMbbXeEj7B2/view?usp=drive_link	8	10	8
29	Öncü, T; Yazman, MM; Ustaoglu, F; Hristova, E; Yüksel, B (2025). *Source dynamics and environmental risk of street dust as a vector of human exposure to potentially toxic elements in Istanbul, Turkiye*. Scientific Reports, 15(1), 30550. http://doi.org/10.1038/s41598-025-11472-2; WOS:001658210500003 **Dovada citare – WOS (poziția 29 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1My8_v7-B2kFWsXILXiVmZuuNAhHQFVHP/view?usp=drive_link	3.9	10	3.9
30	Song, J; Gao, ZJ; Jiang, B (2025). *Assessment of Soil Heavy Metal Pollution: Characteristics, Health Risks, and Source Apportionment in Shouguang City, China*. Soil & Sediment Contamination, 34(8), 2249-2273. http://doi.org/10.1080/15320383.2025.2490624; WOS:001473092500001 **Dovada citare – WOS (poziția 30 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1Xd1k-vDxg_AJ3904ygIX9oX4t8RzveSp/view?usp=drive_link	1.5	10	1.5
31	Li, C; Chen, X; Cheng, H; Zheng, LG (2025). *Identification of Heavy Metal Sources and Health Risk Assessment in Coal Mining Area Soils Using Mercury Isotopes and Positive Matrix Factorization (PMF) Model*. Sustainability, 17(10), 4334. http://doi.org/10.3390/su17104334; WOS:001496857400001 **Dovada citare – WOS (poziția 31 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1Q-8t06s77T3FjnEKHkZSMvnh0P_V5R-U/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/18FDqeh1YUghusxbB73HbmuNflM8ND1ZS/view?usp=drive_link	3.3	10	3.3
				Total puncte: 165.5

Articol citat:

8. Haider S., Masood M.U., Rashid M., Alshehri F., Pande C.B., Katipoğlu O.M., **Costache R.** (2023) *Simulation of the Potential Impacts of Projected Climate and Land Use Change on Runoff under CMIP6 Scenarios*, Water, 15(19), 3421, DOI: https://doi.org/10.3390/w15193421. WOS:001081169800001 **ISI I.F. = 3 (Q2).**
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1	Liu, T; Liu, Y; Si, ZJ; Wang, LF; Zhao, YS; Wang, J (2025). *Future Streamflow and Hydrological Drought Under CMIP6 Climate Projections*. Atmosphere, 16(6), 691. http://doi.org/10.3390/atmos16060691; WOS:001515072600001 **Dovada citare – WOS (poziția 1 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 7) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1G8Q81Huy2dGWYmrwEJ8I28AyKwPWHmp_/view?usp=drive_link	2.3	7	3.29
2	Mahmood, S; Khan, AU; Babur, M; Ghanim, AAJ; Al-Areeq, AM; Khan, D; Najeh, T; Gamil, Y (2024). *Divergent path: isolating land use and climate change impact on river runoff*. Frontiers in Environmental Science, 12, 1338512. http://doi.org/10.3389/fenvs.2024.1338512; WOS:001161535500001 **Dovada citare – WOS (poziția 2 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1DuEfsXDjRvTQx0_UHykieW7iBWhtQ-EN/view?usp=drive_link	3.7	7	5.29
3	Guddeti, SS; Kurakalva, RM; Karuppannan, S (2024). *Identification of vulnerable areas using geospatial technologies in the lower Manair River basin of Telangana, Southern India*. Geomatics Natural Hazards & Risk, 15(1), 2296379. http://doi.org/10.1080/19475705.2023.2296379; WOS:001133466900001 **Dovada citare – WOS (poziția 3 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1bhpMTo8FiPXY1M5BT29RDmLy26DhfZtO/view?usp=drive_link	4.6	7	6.57
4	Pande, CB; Diwate, P; Orimoloye, IR; Sidek, LM; Mishra, AP; Moharir, KN; Pal, SC; Alshehri, F; Tolche, AD (2024). *Impact of land use/land cover changes on evapotranspiration and model accuracy using Google Earth engine and classification and regression tree modeling*. Geomatics Natural Hazards & Risk, 15(1), 2290350. http://doi.org/10.1080/19475705.2023.2290350; WOS:001129019000001 **Dovada citare – WOS (poziția 4 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1bGY4TV07WHLyOuBRfdvJ4h4Z-MouY-fh/view?usp=drive_link	4.6	7	6.57
5	Mirshekari, S; Yaghoubi, F; Hashemi, SA (2025). *Climate Change Impacts on Wheat Yields in Arid Regions of Iran: A Multimodel Approach for Adaptation Strategies*. International Journal of Plant Production, 19(3), 491-506. http://doi.org/10.1007/s42106-025-00350-6; WOS:001497692300001 **Dovada citare – WOS (poziția 5 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link	2.2	7	3.14

	Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS): https://drive.google.com/file/d/1M1fXbwcA4_tZu5rv58e0XttpvczBxVwY/view?usp=drive_link			
6	Kadirgama, K; Samylingam, L; Aslfattahi, N; Kiai, MS; Kok, CK (2026). *Nanocoolant for electric vehicles: Overview, importance, limitations, and future directions*. Journal of Energy Storage, 143, 119719. http://doi.org/10.1016/j.est.2025.119719; WOS:001637146400001 **Dovada citare – WOS (poziția 6 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1wRhwfAxA85FUTpZXknHJL_ziyOcNrXpG/view?usp=drive_link	9.8	7	14.00
7	Loukika, KN; Keesara, VR; Buri, ES; Sridhar, V; Dzwairo, B; Montenegro, S (2025). *Integrated impacts of land use changes and climate dynamics on hydrological components in the Munneru River basin, India*. Journal of Environmental Management, 380, 125096. http://doi.org/10.1016/j.jenvman.2025.125096; WOS:001460023600001 **Dovada citare – WOS (poziția 7 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1qmRTN7KoRBqmBwEhI9oSh9-_N1snx9PJ/view?usp=drive_link	8.4	7	12.00
8	Zhang, LH; Deng, C; Wei, J; Zou, JC (2025). *Assessing the impacts of climate change and land use/land cover data characteristics on streamflow using the SWAT model in the Upper Han River Basin*. Journal of Hydrology-Regional Studies, 61, 102764. http://doi.org/10.1016/j.ejrh.2025.102764; WOS:001568805300001 **Dovada citare – WOS (poziția 8 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1r70nLr3imqKMoTdiI5AFSVl9w-lZe9aj/view?usp=drive_link	5	7	7.14
9	Haider, S; Rashid, M; Tariq, MAUR; Nadeem, A; Haider, MA; Arshed, A (2025). *Seasonal variability in hydrologic responses due to climate and land-cover changes in the Pothohar plateau, Pakistan*. Journal of Water and Climate Change, 16(8), 2407-2428. http://doi.org/10.2166/wcc.2025.527; WOS:001565167700001 **Dovada citare – WOS (poziția 9 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1GFa8zUs9mmdNH6iQrWyGqjJ9qq7Gi_Qc/view?usp=drive_link	3.1	7	4.43
10	Bitew, AB; Minale, AS (2025). *Evaluation of past and future trends of temperature and rainfall under CMIP6 scenarios in the Ayehu watershed, Upper Blue Nile Basin, Ethiopia*. Journal of Water and Climate Change, 16(6), 2153-2184. http://doi.org/10.2166/wcc.2025.032; WOS:001519778300004 **Dovada citare – WOS (poziția 10 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1uzwR3tDxHNPyomz1k3PgX9OFKBv3xNok/view?usp=drive_link	3.1	7	4.43
11	Liu, JP; Li, MZ; Li, RZ; Shalamzari, MJ; Ren, YQ; Silakhori, E (2025). *Comprehensive Assessment of Drought Susceptibility Using Predictive Modeling, Climate Change Projections, and Land Use Dynamics for Sustainable Management*. Land, 14(2), 337. http://doi.org/10.3390/land14020337; WOS:001431029200001	3.2	7	4.57

	Dovada citare – WOS (poziția 11 în lista de citări din exportul PDF): https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1rL-5zdgQRa66aEp6BnZPuPfRPfjFHaHz/view?usp=drive_link			
12	Bukhari, SAS; Shafi, I; Ahmad, J; Villar, SG; Villena, EG; Khurshaid, T; Ashraf, I (2025). *Review of flood monitoring and prevention approaches: a data analytic perspective*. Natural Hazards, 121(5), 5103-5128. http://doi.org/10.1007/s11069-024-07050-w; WOS:001375734600001 **Dovada citare – WOS (poziția 12 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1lTV7xrY-Mxeert0dICShuldWtG1rBtko/view?usp=drive_link	3.7	7	5.29
13	Khosravi, Y; Ouarda, TBMJ; Homayouni, S (2025). *Developing an ensemble machine learning framework for enhanced climate projections using CMIP6 data in the Middle East*. Npj Climate and Atmospheric Science, 8(1), 174. http://doi.org/10.1038/s41612-025-01033-9; WOS:001485478500002 **Dovada citare – WOS (poziția 13 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/173epKWiJ8THPkqxVxi4f0EUbWjAzRgAz/view?usp=drive_link	8.4	7	12.00
14	Acharki, S; Raza, A; Vishwakarma, DK; Amharref, M; Bernoussi, AS; Singh, SK; Al-Ansari, N; Dewidar, AZ; Al-Othman, AA; Mattar, MA (2025). *Comparative assessment of empirical and hybrid machine learning models for estimating daily reference evapotranspiration in sub-humid and semi-arid climates*. Scientific Reports, 15(1), 2542. http://doi.org/10.1038/s41598-024-83859-6; WOS:001402018000015 **Dovada citare – WOS (poziția 14 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1lyIxUdR4RJcVQcUoux4oHyXBSFZtj1pl/view?usp=drive_link	3.9	7	5.57
15	Ullah, S; Ali, U; Rashid, M; Haider, S; Kisi, O; Vishwakarma, DK; Raza, A; Alataway, A; Dewidar, AZ; Mattar, MA (2024). *Evaluating land use and climate change impacts on Ravi river flows using GIS and hydrological modeling approach*. Scientific Reports, 14(1), 22080. http://doi.org/10.1038/s41598-024-73355-2; WOS:001354536300231 **Dovada citare – WOS (poziția 15 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1c3fgLC94VnU_agPHD5dQ-CA9EP3WJ-Ui/view?usp=drive_link	3.9	7	5.57
16	Behbahani, MRM; Mazarei, M; Bagtzoglou, AC (2024). *Improving deep learning-based streamflow forecasting under trend varying conditions through evaluation of new wavelet preprocessing technique*. Stochastic Environmental Research and Risk Assessment, 38(10), 3963-3984. http://doi.org/10.1007/s00477-024-02788-y; WOS:001283262500001 **Dovada citare – WOS (poziția 16 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/16YSuR7wZ3ebuk9G4V8YU-wIEYWHSr47j/view?usp=drive_link	3.6	7	5.14

17	Khan, SU; Zhao, QH; Wisal, M; Shah, KA; Shah, SS (2025). *A Data-Driven Bayesian Belief Network Influence Diagram Approach for Socio-Environmental Risk Assessment and Mitigation in Major Ecosystem- and Landscape-Modifier Projects*. Sustainability, 17(8), 3537. http://doi.org/10.3390/su17083537; WOS:001475793900001 **Dovada citare – WOS (poziția 17 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1FoMgN-BZslgPFoefdvrwUPNP8oBJBGyw/view?usp=drive_link	3.3	7	4.71
18	Khan, AA; Xue, X; Hussain, H; Hussain, K; Muhammad, A; Mukhtar, MA; Butt, AQ (2024). *Study of Land Surface Changes in Highland Environments for the Sustainable Management of the Mountainous Region in Gilgit-Baltistan, Pakistan*. Sustainability, 16(23), 10311. http://doi.org/10.3390/su162310311; WOS:001378810900001 **Dovada citare – WOS (poziția 18 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 5) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1KFTDzIl6wAKzeRumcJR0Bda_-rSb_pRa/view?usp=drive_link	3.3	7	4.71
19	Abdelkareem, M; Abdalla, F; Alshehri, F; Pande, CB (2023). *Mapping Groundwater Prospective Zones Using Remote Sensing and Geographical Information System Techniques in Wadi Fatima, Western Saudi Arabia*. Sustainability, 15(21), 15629. http://doi.org/10.3390/su152115629; WOS:001099411400001 **Dovada citare – WOS (poziția 19 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/1OcQA7uK4XabySUEmRrCy_D13BPNIfCX3/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1Z2rTffKCALRLEh15KlDilgXFUITrDRsR/view?usp=drive_link	3.3	7	4.71
20	Masood, MU; Haider, S; Rashid, M; Aldlemy, MS; Pande, CB; Durin, B; Homod, RZ; Alshehri, F; Elkhrachy, I (2023). *Quantifying the Impacts of Climate and Land Cover Changes on the Hydrological Regime of a Complex Dam Catchment Area*. Sustainability, 15(21), 15223. http://doi.org/10.3390/su152115223; WOS:001099486900001 **Dovada citare – WOS (poziția 20 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/1K3pQm5clYqCzJk2DpwIfBagutSRtkDQ2/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1Z2rTffKCALRLEh15KlDilgXFUITrDRsR/view?usp=drive_link	3.3	7	4.71
21	Kumar, NS; Teja, TC; Upendra, B; Madipally, R (2026). *Assessing the hydrological response of the Vamanapuram river basin to climate change and land use alterations using SWAT model: A case of tropical mountainous Western Ghats River, Southern India*. Theoretical and Applied Climatology, 157(3), 133. http://doi.org/10.1007/s00704-026-06097-y; WOS:001690457900004 **Dovada citare – WOS (poziția 21 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1WhWb-p80rw9cDlf9q14D2eCKT8_ucrB8/view?usp=drive_link	2.7	7	3.86

22	Haider, S; Rashid, M; Saleem, J (2026). *Evaluation of climate change and land-use impacts on groundwater dynamics in the bari doab canal system*. Theoretical and Applied Climatology, 157(2), 106. http://doi.org/10.1007/s00704-026-06022-3; WOS:001676591300001 **Dovada citare – WOS (poziția 22 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1OZPZ1AdCn4lj_YyE6qb-M-kU2FlRqRtc/view?usp=drive_link	2.7	7	3.86
23	Yilmaz, B; Aras, E; Nacar, S (2024). *A CMIP6-ensemble-based evaluation of precipitation and temperature projections*. Theoretical and Applied Climatology, 155(8), 7377-7401. http://doi.org/10.1007/s00704-024-05066-7; WOS:001255239400001 **Dovada citare – WOS (poziția 23 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1dloKqkr8MQoyTSsdpL6iPaFtTEdouh4n/view?usp=drive_link	2.7	7	3.86
24	Haider, S; Masood, MU; Rashid, M; Ali, T; Pande, CB; Alshehri, F; Elkhrachy, I (2023). *Assessment of rainwater harvesting potential for urban area under climate and land use changes using geo-informatics technology*. Urban Climate, 52, 101721. http://doi.org/10.1016/j.uclim.2023.101721; WOS:001112187700001 **Dovada citare – WOS (poziția 24 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/137_kovR4koLgEMdysMkSgRIdWIta1Scs/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1J7he0VyloADUhEuqMPzBfzH95mXuEQ6r/view?usp=drive_link	6	7	8.57
25	Zhu, ZZ; Zhou, ZY (2024). *Experimental Study for the Matching of Explosives and Rocks Based on Rock Hydrophysical Properties*. Water, 16(13), 1807. http://doi.org/10.3390/w16131807; WOS:001266582400001 **Dovada citare – WOS (poziția 25 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 3) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1o5vp-VDw2mof2NFyXq6zoqNp_lGvvU4a/view?usp=drive_link	3	7	4.29
26	Masood, MU; Rashid, M; Haider, S; Naz, I; Pande, CB; Heddam, S; Alshehri, F; Elkhrachy, I; Ahsan, A; Sammen, SS (2024). *Exploring Groundwater Quality Assessment: A Geostatistical and Integrated Water Quality Indices Perspective*. Water, 16(1), 138. http://doi.org/10.3390/w16010138; WOS:001140610900001 **Dovada citare – WOS (poziția 26 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 6) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1kJvZgUifWM6MF7zf3x1oH4umHEYtSBDS/view?usp=drive_link	3	7	4.29
27	Masood, MU; Haider, S; Rashid, M; Lodhi, MUK; Pande, CB; Alshehri, F; Ahmed, KO; Scholz, M; Sammen, SS (2023). *The Effect of the El Nino Southern Oscillation on Precipitation Extremes in the Hindu Kush Mountains Range*. Water, 15(24), 4311. http://doi.org/10.3390/w15244311; WOS:001131213600001 **Dovada citare – WOS (poziția 27 în lista de citări din exportul PDF):**	3	7	4.29

	https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/1iW_iqLLbJ_RmQYvImUV6xXKK9obtATJV/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1KNzu8fFFDKdlOFoUtiwAKeVQqDZJHye1/view?usp=drive_link			
28	Sánchez-Quispe, ST; Madrigal, J; Rodríguez-Licea, D; Domínguez-Mota, FJ; Domínguez-Sánchez, C; Lara-Ledesma, B (2023). *Development of a Low-Cost Automated Hydrological Information System for Remote Areas in Morelia, Mexico*. Water, 15(22), 3888. http://doi.org/10.3390/w15223888; WOS:001113478100001 **Dovada citare – WOS (poziția 28 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare:** https://drive.google.com/file/d/1o6SFHjZs3Dzeo1cx6o4XpRLfb2Hs1zRX/view?usp=drive_link **Dovada factor impact 2023 (JCR-WOS 2023):** https://drive.google.com/file/d/1KNzu8fFFDKdlOFoUtiwAKeVQqDZJHye1/view?usp=drive_link	3	7	4.29
29	Devkota, N; Lamichhane, S; Bhattarai, PK (2025). *Navigating Uncertainties in Quantifying Water Availability Amidst the Climate and Land Use Changes*. Water Resources Management, 39(13), 6791-6821. http://doi.org/10.1007/s11269-025-04275-7; WOS:001512264200001 **Dovada citare – WOS (poziția 29 în lista de citări din exportul PDF):** https://drive.google.com/file/d/1zkzcwikhMuWASSAv5TL5nP1NTTmJGT2H/view?usp=drive_link **Dovada indexare WOS, factor impact 2024 (pag. 4) (ultima ediție JCR-WOS):** https://drive.google.com/file/d/1fTvTa6V8Y6jRUquHgixKA7clUgBr4wf1/view?usp=drive_link	4.7	7	6.71
			Total puncte	167.86

Data: 20.04.2026

Candidat:

CS. dr. Romulus-Dumitru COSTACHE