

Lista de lucrări științifice

Conf. Dr. habil Daniel Constantin DIACONU

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a) Lista celor maximum 10 lucrări relevante pentru realizările profesionale proprii

1. Diaconu Daniel Constantin, Bretcan P., Peptenatu D., Tanislav D., Mailat E. The importance of the number of points, transect location and interpolation techniques in the analysis of bathymetric measurements, *Journal of Hydrology*, volume 570, pp. 774-785 (<https://doi.org/10.1016/j.jhydrol.2018.12.070>) (IF 3,72; AIS 1,09)
2. Daniel Constantin Diaconu, Romulus Costache, Abu Reza Md. Towfiqul Islam, Manish Pandey, Subodh Chandra Pal, Arun Pratap Mishra, Chaitanya Baliram Pande, Developing flood mapping procedure through optimized machine learning techniques. Case study: Prahova river basin, Romania, *Journal of Hydrology: Regional Studies*, Volume 54, 2024, 101892, ISSN 2214-5818, <https://doi.org/10.1016/j.ejrh.2024.101892> (IF 4,7; AIS 0,943)
3. Popa MC, Simion AG, Peptenatu D, Dima C, Drăghici CC, Florescu M-S, Dobrea RC, Diaconu Daniel Constantin. Spatial assessment of flash-flood vulnerability in the Moldova river catchment (N Romania) using the FFPI. *J Flood Risk Management*. 2020; e12624. <https://doi.org/10.1111/jfr3.12624> (FI 3,06, AIS 0,607) * (*autor corespondent)
4. Diaconu Daniel Constantin, Paschalis D. Koutalakis, Georgios T. Gkiatas, Gabriel Vasile Dascalu, and George N. Zaimis. 2023. River Sand and Gravel Mining Monitoring Using Remote Sensing and UAVs. *Sustainability* 15, no. 3: 1944. <https://doi.org/10.3390/su15031944> (FI=3,9)
5. Fractal drainage model – a new approach to determinate the complexity of watershed, *Acta Montanistica Slovaca*, Volume 22, number 1, p. 12-21. Daniel Constantin Diaconu, Ion Andronache, Helmut Ahammer, Ana-Maria Ciobotaru, Martina Zelenakova, Roxana Dinescu, Aleksandr Vasilievici Pozdnyakov and Svetlana Alekseevna Chupikova. <http://actamont.tuke.sk/pdf/2017/n1/2diaconu.pdf>. (IF 0.938; AIS 0,065)
6. Mitigation of the Adverse Consequences of Floods for Human Life, Infrastructure, and the Environment. M. Zeleňáková, L. Gaňová, P. Purcz, M. Horský, L. Satrapa; P. Blišťan; and Daniel Constantin Diaconu, *Nat. Hazards Rev.*, 2017, 18(4): -1--15, DOI: 10.1061/(ASCE)NH.1527-6996.0000255. <file:///C:/Users/Dan/Downloads/%2528ASCE%2529NH%252E1527-6996%252E0000255.pdf>
7. Romulus Costache, Quoc Bao Pham, Alireza Arabameri, Daniel Constantin Diaconu, Iulia Costache, Anca Crăciun, Nicu Ciobotaru, Manish Pandey, Aman Arora, Sk Ajim Ali, Binh Thai Pham, Hoang Nguyen, Hoang Anh Tuan & Mohammadtaghi Avand (2021) Flash-flood propagation susceptibility estimation using weights of evidence and their novel ensembles with multicriteria decision making and machine learning, *Geocarto International*, DOI: [10.1080/10106049.2021.2001580](https://doi.org/10.1080/10106049.2021.2001580) (FI 2.186, AIS 0,607)

8. Diaconu Daniel Constantin, Andronache I, Gruia AR, Bazac T and Băloi AM (2024) Evaluation of forest loss data using fractal algorithms: case study Eastern Carpathians–Romania. *Front. For. Glob. Change.* 7:1432739. doi: 10.3389/ffgc.2024.1432739 (IF=2.7 AIS 1,040 Q1)
9. Daniel Constantin Diaconu (2023) *Force Majeure in the Hydropower Industry*. Springer, Cham., 156 pp, https://doi.org/10.1007/978-3-031-27402-2_4, ISBN 978-3-031-27401-5, ISBN 978-3-031-27402-2 (e-Book)

b) Teza de doctorat

Sinteze hidrologice privind scurgerea lichidă și de aluviuni în bazinul hidrografic Buzău – Diploma de doctor emisă în data de 07.05.2005 în baza ordinului Ministerului Educației și Cercetării nr. 3184, Seria A nr. 0000461, cu distincția MAGNA CUM LAUDE.

Lucrarea de doctorat a fost publicată sub numele *Resursele de apă din bazinul râului Buzău*, la Editura Universitară, ISBN 973-7787-57-9, 238 pagini, și ulterior publicată și ediția a II-a.

- c) Brevete de invenție –
- d) Cărți și capitole în cărți

Cărți publicate la Edituri Internaționale

1. Martina Zelenáková, Lenka Gaňová, Daniel Constantin Diaconu (2021) *Flood Damage Assessment and Management*, Springer International Publishing, ISBN 978-3-030-50053-5, DOI 10.1007/978-3-030-50053-5, hardcover ISBN 978-3-030-50052-8, Series ISSN 0921-092X, Number of Pages 160.
2. Daniel Constantin Diaconu (2023) *Force Majeure in the Hydropower Industry*. Springer, Cham., 156 pp, https://doi.org/10.1007/978-3-031-27402-2_4, ISBN 978-3-031-27401-5, ISBN 978-3-031-27402-2 (e-Book)

Capitole publicate în volume la Edituri Internaționale

1. Peptenatu D., Grecu A., Simion A.G., Gruia K.A., Andronache I., Drăghici C.C., Diaconu D.C. (2020) Deforestation and Frequency of Floods in Romania. In: Negm A., Romanescu G., Zelenáková M. (eds) *Water Resources Management in Romania*. Pp. 279-306. Springer Water. Springer, Cham. https://doi.org/10.1007/978-3-030-22320-5_9, Print ISBN 978-3-030-22319-9, Online ISBN 978-3-030-22320-5.
2. Diaconu D.C. (2020) Particularities of Drain Liquid in the Small Wetland of Braila Natural Park, Romania. In: Negm A., Romanescu G., Zelenáková M. (eds) *Water Resources Management in Romania*. Springer Water. Springer, Cham. Pp. 437-464. DOI https://doi.org/10.1007/978-3-030-22320-5_13. Print ISBN 978-3-030-22319-9. Online ISBN 978-3-030-22320-5.
3. Daniel Constantin Diaconu, Răzvan Mihail Papuc, Daniel Peptenatu, Ion Andronache, Marian Marin, Răzvan Cătălin Dobrea, Cristian Constantin Drăghici, Radu-Daniel Pintilii and Alexandra Grecu (May 11th 2020). Use of Fractal Analysis in the Evaluation of Deforested Areas in Romania [Online First],

- IntechOpen, DOI: 10.5772/intechopen.87525, ISBN: 978-1-83968-307-7, Print ISBN: 978-1-83968-306-0, eBook (PDF) ISBN: 978-1-83968-308-4.
4. Nicoleta Cristache, Daniel Constantin Diaconu, Razvan Catalin Dobrea, Cristina Dima, Cristian Constantin Draghici, Daniel Peptenatu. The Role of CSR Reporting Instruments in Increasing the Organization's Management Performance, In: Sustainability Reporting, Ethics, and Strategic Management Strategies for Modern Organizations, Ionica Oncioiu, Sorinel Căpușneanu, Dan Ioan Topor and Dana Maria (Oprea) Constantin (2021), Pages: 320, ISBN13: 9781799846376|ISBN10: 1799846377|EISBN13: 9781799846383|DOI: 10.4018/978-1-7998-4637, IGI Global, Pages: 23, DOI: 10.4018/978-1-7998-4637-6.ch006. Available from: <https://www.igi-global.com/chapter/the-role-of-csr-reporting-instruments-in-increasing-the-organizations-management-performance/259217>
 5. The Danube River Delta, Editors Abdelazim M. Negm, Daniel Constantin Diaconu. Series Title: Earth and Environmental Sciences Library, DOI <https://doi.org/10.1007/978-3-031-03983-6>. Publisher Springer Cham. Series ISSN 2730-6674, Series E-ISSN 2730-6682. Edition Number 1, Number of Pages XII, 403, Number of Illustrations 5 b/w illustrations, 197 illustrations in colour. <https://link.springer.com/book/10.1007/978-3-031-03983-6>
 6. Diaconu, D.C., Popa, M.C., Peptenatu, D., Negm, A.M. (2022). Danube Delta Integrated Sustainable Development Strategy. In: Negm, A.M., Diaconu, D.C. (eds) The Danube River Delta. Earth and Environmental Sciences Library. Springer, Cham. https://doi.org/10.1007/978-3-031-03983-6_14
 7. Daniel Constantin Diaconu Alexandra Grecu, Conflicts and Natural Disasters, Sources of Migration in the Twenty-First Century in The Handbook of Environmental Chemistry, Springer, Berlin, Heidelberg. DOI: 10.1007/698_2023_972, pp 1-26, April 2023
 8. Beatrice Mahler, Daniel Peptenatu, Aurel Mihail Băloi, Răzvan Mihail Papuc, Andreea Karina Gruia, Alexandra Grecu, Daniel Constantin Diaconu, Andrei Rafael Gruia, Răzvan Cătălin Dobrea, Silviu Gabriel Vlăsceanu, Adelina Neniu, Cristian Constantin Drăghici & Octavian Andronic (2025). The Impact of Environmental Contamination on Lung Cancer Incidence in Romania. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/698_2025_1241
 9. Daniel Peptenatu, Aurel Mihail Băloi, Octavian Andronic, Andreea Karina Gruia, Alexandra Grecu, Ioana Munteanu, Daniel Constantin Diaconu, Silviu Gabriel Vlăsceanu, Cristian Constantin Drăghici & Beatrice Mahler (2025). Environmental Contamination and Distribution of Tuberculosis in Romania. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/698_2025_1243 ISSN 1867-979X, ISSN 1616-864X (electronic), The Handbook of Environmental Chemistry, ISBN978-3-032-12410-4 Abdelazim Negm, Department of Water and Water Structures Engineering, Faculty of Engineering, Zagazig University, Zagazig, Egypt; ISBN 978-3-032-12411-1 (eBook), <https://doi.org/10.1007/978-3-032-12411-1>

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1. Compendious dictionary and hydrological and hydrogeological terminology (2001) Danubius Publishing House, Bucharest, 48 pg.. Ștefan Grigorescu, Daniel Diaconu.
2. Hidrologie (2005), Editura Universitară, Bucharest, ISBN 973-749-002-9, 255 pg., Ion, Pișota, Liliana Zaharia, Daniel Diaconu.
3. Limnologie (2007), editura Credis, București, ISBN 978-973-734-190-7, 90 pg. Daniel Constantin Diaconu
4. Prognoze hidrologice (2009), Editura Matrix Rom, Bucharest, ISBN 978-973-755-494-9, 187 pg., Daniel Constantin Diaconu, Ortansa Jude.
5. Hidrologie (2010), (2nd edition), Editura Universitară, Bucharest, ISBN 978-606-591-046-1, 256 pg., Ion, Pișota, Liliana Zaharia, Daniel Diaconu.
6. Dicționar de termeni hidro-geografici (2012), Editura Univerității din București, ISBN 978-606-16-0194-3, 213., Diaconu Daniel, Grigorescu Ștefan, Marin Marian.
7. Hidro – meteorologie Aplicată (2014), Editura Transversal, Targoviste, ISBN 978-606-605-085-2, 66 pg. Adrian Tișcovschi, Daniel Diaconu.
8. Analiza spațio-temporală a resurselor de apă din Bazinul Argeș (2015), Editura Transversal, Targoviste, ISBN 978-606-605-140-8, Daniel Constantin Diaconu (coordonator).
9. Odesa, pas cu pas (2016), Editura Universitară, București, ISBN 978-606-28-0487-9, DOI: 10.5682/9786062804879, 217 pag., Tino Neacșu, Daniel Diaconu.
10. Evaluarea ecosistemelor și a serviciilor ecosistemice din România (2017), ISBN 978-606-8038-21-6, 207 pag., Iuliana Florentina Gheorghe, Florian Bodescu, Monia MARTINI, Corina GHEORGHIU, Valeria Abaza, Daniel Constantin Diaconu, Dan BĂLTEANU, Monica DUMITRAȘCU, Vladimir GANCZ, Petre GÂȘTESCU, Cristian Ioja, Manu Minodora, Teodor MARUȘCA, Răzvan MATEESCU, Mircea MIHALACHE, Mirela Mădălina MOLDOVEANU, Marilena Onete, Oliviu Grigore POP, Cristina RADNEA, Diana Silaghi, Gabriel - Ovidiu VÂNĂU, Ruxandra VINTILĂ, Virsta Ana.
11. Procesul MAES în România. Natura în deciziile publice (N4D) (2017), ISBN 978-606-8038-22-3, 90 pag., Iuliana Florentina Gheorghe, Florian Bodescu, Monia MARTINI, Corina GHEORGHIU, Valeria Abaza, Daniel Constantin Diaconu, Dan BĂLTEANU, Monica DUMITRAȘCU, Vladimir GANCZ, Petre GÂȘTESCU, Cristian Ioja, Manu Minodora, Teodor MARUȘCA, Răzvan MATEESCU, Mircea MIHALACHE, Mirela Mădălina MOLDOVEANU, Marilena Onete, Oliviu Grigore POP, Cristina RADNEA, Diana Silaghi, Gabriel - Ovidiu VÂNĂU, Ruxandra VINTILĂ, Virsta Ana.
12. MAES process in Romania. Nature for Decision-Making (N4D) englis version (2017), ISBN 978-606-8038-24-7, 89 pp., Iuliana Florentina Gheorghe, Florian Bodescu, Monia MARTINI, Corina GHEORGHIU, Valeria Abaza, Daniel Constantin Diaconu, Dan BĂLTEANU, Monica DUMITRAȘCU, Vladimir GANCZ, Petre GÂȘTESCU, Cristian Ioja, Manu Minodora, Teodor MARUȘCA, Răzvan MATEESCU, Mircea MIHALACHE, Mirela Mădălina MOLDOVEANU, Marilena Onete, Oliviu Grigore POP, Cristina RADNEA, Diana Silaghi, Gabriel - Ovidiu VÂNĂU, Ruxandra VINTILĂ, Virsta Ana.
13. Apa din perspectivă geografică (2018), Editura Transversal, Târgoviște, ISBN 978-606-605-183-5, 161 pag. Daniel Constantin DIACONU. <https://www.agir.ro/carte/apa-din-perspectiva-geografica-123305.html>

14. Diaconu Daniel Constantin. Conectivitatea longitudinală a râurilor. Măsurile structurale (2020). Editura Transversal, Târgoviște, ISBN 978-606-605-206-1, pages 204
<https://www.agir.ro/carte/conectivitatea-longitudinala-a-raurilor-masuri-structurale-123622.html>
15. Alimentații cu apă. Suport de curs, Editura Transversal, ISBN 978-606-605-235-1, pag. 140.

e) Articole în extenso, publicate în reviste din fluxul internațional

Articole publicate în Reviste de Specialitate indexate ISI

- 01.** Creative economies in Romania - spatial projections and trends By: Pintilii, RD; Peptenatu, D; Ciobotaru, AM; Toma, SG; Grigore, AM; Draghici, CC ; Dobrea, RC; Simion, AG; Andronache, I; Teodorescu, C; Diaconu DC. View Web of Science ResearcherID and ORCID (provided by Clarivate) BULLETIN OF GEOGRAPHY-SOCIO-ECONOMIC SERIES, Volume 37, Issue 37, Page 95-108, DOI10.1515/bog-2017-0027, Published SEP 2017, Indexed 2017-11-19, Document Type: Article.
- 02.** Risks Associated of the Waters from Hydric Systems Urban's The case of the rio Barigui, south of Brazil By: da Silva, PRB; Makara, CN; Munaro, AP; Schnitzler, DC; Diaconu, DC ; Sandu, I ; Poletto, C (2017) View Web of Science ResearcherID and ORCID (provided by Clarivate) REVISTA DE CHIMIE, Volume 68, Issue 8, Page 1834-1842, Published AUG 2017, Indexed 2017-10-16, Document Type Article.
- 03.** Assessment of Textural Differentiations in Forest Resources in Romania Using Fractal Analysis By: Andronache, I ; Fensholt, R ; Ahammer, H ; Ciobotaru, AM ; Pintilii, RD ; Peptenatu, D ; Draghici, CC ; Diaconu, DC ; Radulovic, M ; Pulighe, G ; ...More View Web of Science ResearcherID and ORCID (provided by Clarivate) FORESTS, Volume 8, Issue 3, Article Number 54, DOI10.3390/f8030054, Published MAR 2017, Indexed 2017-04-26, Document Type Article
- 04.** Study of Utilization of Agricultural Waste as Environmental Issue in Romania By: Ungureanu, G; Ignat, G ; Vintu, CR ; Diaconu, DC ; Sandu gabriel (2017) View Web of Science ResearcherID and ORCID (provided by Clarivate) REVISTA DE CHIMIE, Volume 68, Issue 3, Page 570-575, Published MAR 2017, Indexed 2017-05-24, Document Type Article
- 05.** Impact of Agriculture Upon the Chemical Quality of Groundwaters within the Saharian Atlas Steppe El-Meita (Khenchela-Algeria) By: Sedrati, A; Houha, B ; Romanescu, G ; Sandu, IG ; Diaconu, DC ; Sandu, I (2017), View Web of Science ResearcherID and ORCID (provided by Clarivate) REVISTA DE CHIMIE, Volume 68, Issue 2, Page 420-423, Published FEB 2017, Indexed 2017-04-06, Document Type Article
- 06.** Fractal drainage model - a new approach to determinate the complexity of watershed By: Diaconu, DC; Andronache, I ; Ahammer, H ; Ciobotaru, AM ; Zelenakova, M ; Dinescu, R ; Pozdnyakov, AV ; Chupikova, SA (2017) View Web of Science ResearcherID and ORCID (provided by Clarivate) ACTA MONTANISTICA SLOVACA, Volume 22, Issue1, Page 12-21, Published 2017, Indexed 2018-12-28, Document Type Article
- 07.** THE RESTRICTIONS IMPOSED UPON THE URBAN DEVELOPMENT BY THE PIEZOMETRIC LEVEL. CASE STUDY: OTOPENI-TUNARI-CORBEANCA By: Diaconu,

DC ; Peptenatu, D ; Simion, AG ; Pintilii, RD ; Draghici, CC ; Teodorescu, C ; Grecu, A ; Gruia, AK ; Ilie, AM (2017) View Web of Science ResearcherID and ORCID (provided by Clarivate) URBANISM ARCHITECTURE CONSTRUCTIONS, Volume 8, Issue 1, Page 27-36, Published 2017, Indexed 2016-12-21, Document Type Article

08. Spatial evolution of forest areas in the northern Carpathian Mountains of Romania By: Draghici, CC ; Andronache, I ; Ahammer, H ; Peptenatu, D ; Pintilii, RD ; Ciobotaru, AM; Simion, AG; Dobrea, RC; Diaconu, DC; Visan, MC ; ...More (2017). View Web of Science ResearcherID and ORCID (provided by Clarivate) ACTA MONTANISTICA SLOVACA, Volume 22, Issue 2, Page 95-106, Published 2017, Indexed 2018-12-28, Document Type Article

09. Using Fractal Analysis in Modeling the Dynamics of Forest Areas and Economic Impact Assessment: Maramures County, Romania, as a Case Study By: Pintilii, RD ; Andronache, I ; Diaconu, DC; Dobrea, RC; Zelenakova, M; Fensholt, R; Peptenatu, D; Draghici, CC ; Ciobotaru, AM (2017) View Web of Science ResearcherID and ORCID (provided by Clarivate) FORESTS, Volume 8, Issue 1, Article Number 25, DOI10.3390/f8010025, Published JAN 2017, Indexed 2017-03-29, Document Type Article

10. Trends in Precipitation and Temperatures in Eastern Slovakia (1962-2014) By: Zelenakova, M ; Purcz, P ; Blist'an, P ; Vranayova, Z ; Hlavata, H ; Diaconu, DC ; Portela, MM (2018) View Web of Science ResearcherID and ORCID (provided by Clarivate) WATER, Volume 10, Issue 6, Article Number 727, DOI10.3390/w10060727, Published JUN 2018, Indexed 2018-12-28, Document Type Article

11. Environmental Impact of Small Hydro Power Plant-A Case Study By: Zelenakova, M ; Fijko, R ; Diaconu, DC ; Remenakova, I (2018) View Web of Science ResearcherID and ORCID (provided by Clarivate) ENVIRONMENTS, Volume 5, Issue 1, Article Number 12, DOI10.3390/environments5010012, Published JAN 2018, Indexed 2018-02-20, Document Type Article

12. Flood Hazard Mapping Using the Flood and Flash-Flood Potential Index in the Buzau River Catchment, Romania By: Popa, MC ; Peptenatu, D ; Draghici, CC ; Diaconu, DC . View Web of Science ResearcherID and ORCID (provided by Clarivate) WATER, Volume 11, Issue 10, Article Number 2116, DOI10.3390/w11102116, Published OCT 2019, Indexed 2019-11-28, Document Type Article

13. Dynamics of Forest Fragmentation and Connectivity Using Particle and Fractal Analysis By: Andronache, I ; Marin, M; Fischer, R; Ahammer, H; Radulovic, M; Ciobotaru, AM ; Jelinek, HF; Di Ieva, A; Pintilii, RD ; Draghici, CC; Diaconu DC...More. View Web of Science ResearcherID and ORCID (provided by Clarivate) SCIENTIFIC REPORTS, Volume 9, Article Number 12228, DOI10.1038/s41598-019-48277-z, Published AUG 22 2019, Indexed 2019-09-05, Document Type Article

14. USING FRACTAL FRAGMENTATION AND COMPACTION INDEX IN ANALYSIS OF THE DEFORESTATION PROCESS IN BUCEGI MOUNTAINS GROUP, ROMANIA By: Diaconu, DC ; Andronache, I ; Pintilii, RD ; Bretcan, P ; Simion, AG ; Draghici, CC; Gruia, KA; Grecu, A; Marin, M ; Peptenatu, D . View Web of Science ResearcherID and ORCID (provided by Clarivate) CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, Volume 14, Issue 2, Page 431-438,

16. New neural fuzzy-based machine learning ensemble for enhancing the prediction accuracy of flood susceptibility mapping By: Costache, R ; Tincu, R ; Elkhachy, I ; Pham, QB ; Popa, MC ; Diaconu, DC ; Avand, M ; Costache, I ; Arabameri, A ; Bui, DT . View Web of Science ResearcherID and ORCID (provided by Clarivate) HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, Volume 65, Issue16, Page 2816-2837, DOI10.1080/02626667.2020.1842412, Published DEC 9 2020, Early Access NOV 2020, Indexed 2020-12-03, Document Type Article

17. MITIGATING FLASH FLOODS WITH THE USE OF NEW TECHNOLOGIES: A MULTI-CRITERIA DECISION ANALYSIS TO MAP FLOOD SUSCEPTIBILITY FOR ZAKYNTHOS ISLAND, GREECE By: Stavropoulos, S; Zaimis, GN; Filippidis, E ; Diaconu, DC ; Emmanouloudis, D. View Web of Science ResearcherID and ORCID (provided by Clarivate) JOURNAL OF URBAN AND REGIONAL ANALYSIS, Volume 12, Issue 2, Page 233-248, DOI10.37043/JURA.2020.12.2.7, Published AUG 2020, Indexed 2020-12-11, Document Type Article

18. Spatial predicting of flood potential areas using novel hybridizations of fuzzy decision-making, bivariate statistics, and machine learning By: Costache, R ; Popa, MC ; Bui, DT ; Diaconu, DC ; Ciobotaru, N ; Minea, G ; Pham, QB . View Web of Science ResearcherID and ORCID (provided by Clarivate) JOURNAL OF HYDROLOGY, Volume 585, Article Number 124808, DOI10.1016/j.jhydrol.2020.124808, Published JUN 2020, Indexed 2020-07-14, Document Type Article

19. Spatial assessment of flash-flood vulnerability in the Moldova river catchment (N Romania) using the FFPI By: Popa, MC ; Simion, AG ; Peptenatu, D ; Dima, C ; Draghici, CC; Florescu, MS ; Dobrea, CR ; Diaconu, DC .View Web of Science ResearcherID and ORCID (provided by Clarivate) JOURNAL OF FLOOD RISK MANAGEMENT, Volume 13, Issue 4, Article Number 12624, DOI10.1111/jfr3.12624, Published DEC 2020, Early Access MAY 2020, Indexed 2020-06-04, Document Type Article

20. Using GIS, Remote Sensing, and Machine Learning to Highlight the Correlation between the Land-Use/Land-Cover Changes and Flash-Flood Potential By: Costache, R ; Pham, QB ; Corodescu-Rosca, E ; Cimpianu, C ; Hong, HY ; Linh, NTT ; Fai, CM ; Ahmed, AN ; Vojtek, M ; Pandhiani, SM ; Minea, G ; Ciobotaru, N ; Popa, MC , [15] ; Diaconu, DC; Pham, BT . View Web of Science ResearcherID and ORCID (provided by Clarivate) REMOTE SENSING, Volume 12, Issue 9, Article Number 1422, DOI10.3390/rs12091422, Published MAY 2020, Indexed 2020-07-16, Document Type Article

21. Flash-flood propagation susceptibility estimation using weights of evidence and their novel ensembles with multicriteria decision making and machine learning By: Costache, R ; Pham, QB ; Arabameri, A ; Diaconu, DC; Costache, I ; Craciun, A ; Ciobotaru, N; Pandey, M ; Arora, A ; Ali, SA; ...More. View Web of Science ResearcherID and ORCID (provided by Clarivate) GEOCARTE INTERNATIONAL, DOI10.1080/10106049.2021.2001580, Early Access NOV 2021, Indexed 2021-11-24, Document Type Article

22. The Use of the Kahoot! Learning Platform as a Type of Formative Assessment in the Context of Pre-University Education during the COVID-19 Pandemic Period By: Toma, F ;

Diaconu, DC; Popescu, CM . View Web of Science ResearcherID and ORCID (provided by Clarivate) EDUCATION SCIENCES, Volume 11, Issue 10, Article Number 649, DOI10.3390/educsci11100649, Published OCT 2021, Indexed 2021-11-14, Document Type Article

23. An Overview of Flood Risk Analysis Methods By: Diaconu, DC ; Costache, R; Popa, MC. View Web of Science ResearcherID and ORCID (provided by Clarivate) WATER, Volume 13, Issue 4, Article Number 474, DOI10.3390/w13040474, Published FEB 2021, Indexed 2021-03-21, Document Type Review

24. Diaconu, Daniel Constantin, Paschalis D. Koutalakis, Georgios T. Gkiatas, Gabriel Vasile Dascalu, and George N. Zaimes. 2023. River Sand and Gravel Mining Monitoring Using Remote Sensing and UAVs. *Sustainability* 15, no. 3: 1944. <https://doi.org/10.3390/su15031944>

25. Yavuz, Mehmet, Paschalis Koutalakis, Daniel Constantin Diaconu, Georgios Gkiatas, George N. Zaimes, Mustafa Tufekcioglu, and Maria Marinescu. 2023. "Identification of Streamside Landslides with the Use of Unmanned Aerial Vehicles (UAVs) in Greece, Romania, and Turkey" *Remote Sensing* 15, no. 4: 1006. <https://doi.org/10.3390/rs15041006>

26. Constantin, D.M.; Mincu, F.I.; Diaconu, D.C.; Burada, C.D.; Băltăţeanu, E. Water Management in Wheat Farming in Romania: Simulating the Irrigation Requirements with the CROPWAT Model. *Agronomy* **2025**, *15*, 61. <https://doi.org/10.3390/agronomy15010061> (FI = 3,3; Q1 AIS)

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