

Adina-Eliza Croitoru

Toată activitatea

Criteriul 1:

Articole WOS

5 articole ca autor principal in reviste cu factor de impact, in baza de date Web of Science, cu AIS cumulate $\geq 3,5$; 3 articole in reviste BDI

a. Articole publicate în reviste cu AIS calculat sau echivalat:

1. **Croitoru Adina Eliza**, Holobaca Iulian Horia, Lazar Catalin, Moldovan Florin, Imbroane Alexandru (2012), Air temperature trend and the impact on winter wheat phenology in Romania, *Climatic Change*. 111(2), 393-410. DOI: 10.1007/s10584-011-0133-6. (AIS 2012: 1,778)
2. **Croitoru Adina-Eliza**, Piticar Adrian (2013) Changes in daily extreme temperatures in the extra-Carpathians regions of Romania, *International Journal of Climatology*, 33(8), 1987–2001. DOI: 10.1002/joc.356. (AIS 2013: 1,425)
3. **Croitoru Adina Eliza**, Chiotoroiu Brindusa Cristina, Ivanova Todorova Veneta, Torica Vasile (2013), Changes in precipitation extremes on the Black Sea Western Coast. *Global and Planetary Change*, 102, 10-19. DOI: 10.1016/j.gloplacha.2013.01.004. (AIS 2013: 1,695)
4. **Croitoru Adina-Eliza**, Pititcar Adrian, Dragotă Carmen Sofia, Burada Doina Cristina (2013), Recent changes in reference evapotranspiration in Romania, *Global and Planetary Change*, 111 (December), 127-137. DOI: 10.1016/j.gloplacha.2013.09.004 (AIS 2013: 1,695).
5. **Croitoru Adina-Eliza**, Piticar Adrian, Ciupertea Flavius-Antoniou, Rosca Cristina Florina (2016) Changes in heat wave indices in Romania over the period 1961-2015. *Global and Planetary Changes* 146(November): 109–121. <http://dx.doi.org/10.1016/j.gloplacha.2016.08.016> (AIS 2017: 1,554).

Total AIS: 8,147 (Standard minimal AIS ≥ 3.5)

Articole BDI:

1. **Croitoru, Adina-Eliza**, Drignei, D., Holobaca, I.H., Dragota, Carmen Sofia (2012), Change-Point Analysis for Serially-Correlated Summit Temperatures in the Romanian Carpathians, *Theoretical and Applied Climatology*, Volume 108, Issue 1-2, pp 9-18. DOI:10.1007/s00704-011-0508-7.(indexat WOS; AIS 2012: 0.807).
2. **Croitoru Adina-Eliza**, Piticar Adrian, Imbroane Alexandru Mircea, Burada Doina Cristina (2013), Spatiotemporal distribution of aridity indices based on temperature and precipitation in the extra-Carpathian regions of Romania, *Theoretical and Applied Climatology*, May 2013, Volume 112, Issue 3-4, pp 597-607. DOI 10.1007/s00704-012-0755-2. (indexat WOS; AIS 2013: 0.762)
3. **Croitoru Adina-Eliza**, Chiotoroiu Brindusa-Cristina, Todorova Ivanova Veneta, Torica Vasile (2013), Changes in seasonal and annual precipitation on the Western Coast of the Black Sea. *Energy and Clean Technology, Conference proceedings*, volume: Renewable energy sources, Recycling, Air pollution and Climate changes, 13th International Multidisciplinary Scientific Geoconference SGEM 2013, Albena, Bulgaria, p. 551-558. DOI:10.5593/SGEM2013/BD4/S19.006 (indexat WOS)
4. Chiotoroiu Brindusa-Cristina, Todorova Ivanova Veneta, **Croitoru Adina-Eliza**, Torica Vasile (2013), Blizzard consequences in the Eastern parts of Bulgaria and Romania in January 2010. A comparative study. *Energy and Clean Technology, Conference proceedings*, volume: Renewable energy sources, Recycling, Air pollution and Climate

- changes, 13th International Multidisciplinary Scientific Geoconference SGEM 2013, Albena, Bulgaria, p. 543-550. DOI:10.5593/SGEM2013/BD4/S19.005(indexat WOS)
5. Tudose Traian, **Croitoru Adina-Eliza**, Haidu Ionel (2013), Some Aspects on Rainfall Maximum Intensity in Northwestern Romania. *Energy and Clean Technology, Conference proceedings*, volume: Renewable energy sources, Recycling, Air pollution and Climate changes, 13th International Multidisciplinary Scientific Geoconference SGEM 2013, Albena, Bulgaria, p. 771-778. DOI:10.5593/SGEM2013/BD4/S19.034 (indexat WOS)
 6. **Croitoru Adina-Eliza**, Drignei Dorin, Dragotă Carmen Sofia, Imecs Zoltan, Burada Doina Cristina (2014), Sharper Detection of Winter Temperature Changes in the Romanian Higher-Elevations, *Global and Planetary Change*. Volume 122, November, 122–129. DOI: 10.1016/j.gloplacha.2014.08.011(indexat WOS);).
 7. **Croitoru Adina-Eliza**, Minea Ionuț (2015) The impact of climate changes on rivers discharge in Eastern Romania, *Theoretical and Applied Climatology*. 120, 563–573. DOI 10.1007/s00704-014-1194-z. (indexat WOS; AIS 2013: 0.790)
 8. Beldean-Galea Mihail Simion, Mihăiescu Radu, Arghiuș Viorel, **Croitoru Adina**, Horvath Csaba, Coman Virginia (2016), Occurrence and Sources of Polycyclic Aromatic Hydrocarbons in the Tisza River and its Romanian Tributaries, *Water, Air, and Soil Pollution*, 227:377. DOI 10.1007/s11270-016-3088-4 (indexat WOS;)
 9. **Croitoru Adina-Eliza**, Piticar Adrian, Burada Doina Cristina (2016), Changes in precipitation extremes in Romania, *Quaternary International*, 415, 10 September: 325–335, doi:10.1016/j.quaint.2015.07.028. (indexat WOS;)
 10. **Croitoru Adina-Eliza**, Drignei Dorin, Burada Doina Cristina, Dragotă Carmen Sofia, Imecs Zoltan (2016), Altitudinal changes of summer air temperature trends in the Romanian Carpathians based on serially correlated models, *Quaternary International*, 415, September, 336–343. doi:10.1016/j.quaint.2015.05.075 (indexat WOS;).
 11. Rosca Cristina Florina, Harpa Gabriela Victoria, **Croitoru Adina-Eliza**, Herbel Ioana, Imbroane Alexandru Mircea, Burada Doina Cristina (2017), The impact of climatic and non-climatic factors on land surface temperature in Southwestern Romania, *Theoretical and Applied Climatology*. Online first: DOI 10.1007/s00704-016-1923-6 (indexat WOS;; AIS 2017: 0693). Volume 130, Issue 3–4, pp 775–790.
 12. Sfică Lucian, **Croitoru Adina-Eliza**, Iordache Iulian, Ciupertea Antoniu-Flavius (2017) Synoptic Conditions Generating Heat Waves and Warm Spells in Romania, *Atmosphere*, 8, 50; doi:10.3390/atmos8030050 (indexat WOS; AIS: 0.512).
 13. Minea Ionuț, **Croitoru Adina-Eliza** (2017), Groundwater response to changes in precipitation in Northeastern Romania, *Environmental Engineering and Management Journal*, 16, 3 (March), 643-651. (indexat WOS; AIS 2017: 0.086).
 14. Herbel Ioana, **Croitoru Adina-Eliza**, Rus Adina Viorica, Roșca Cristina Florina, Harpa Gabriela Victoria, Ciupertea Antoniu-Flavius, Rus Ionuț (2018) The impact of heat waves on surface urban heat island and on local economy in Cluj-Napoca City, Romania. *Theoretical and Applied Climatology*, Volume 133, Issue 3–4, pp 681–695. DOI: 10.1007/s00704-017-2196-4. (indexat WOS; AIS 2017: 0.693)
 15. Piticar Adrian, Ciupertea Flavius-Antoniou, **Croitoru Adina-Eliza**, Harpa Gabriela-Victoria (2018) Recent changes in heat waves and cold waves detected based on excess heat factor and excess cold factor in Romania, *International Journal of Climatology*. 38(4), 1777-1793. DOI: 10.1002/joc.5295 (indexat WOS; AIS 2017: 1.230). 30 March 2018.
 16. **Croitoru, Adina-Eliza**, Ungureanu Mădălina Genoveva, Horvath Csaba (2018), Weather-Lore Associated with Religious and Folklore Holidays in Romania, *Revista de Etnografie și Folclor/Journal of Ethnography and Folklore*, New series, 1-2, p. 251-262 (indexat WOS; Art and Humanities, AIS: 0.800).

17. Dogaru Gabriela, Scripcă Andreea-Sabina, **Croitoru Adina-Eliza**, Motricală Marieta, Bulboacă Adriana, Stănescu Ioana (2018), A clinical study regarding the improvement of symptoms and the time efficacy of treatments performed in Băile Tușnad balneoclimatic resort, *Balneo Research Journal*, vol. 9, no. 2, p. 76-81, DOI: <http://dx.doi.org/10.12680/balneo.2018.177>. (indexat WOS)
18. Minea Ionuț, **Croitoru Adina-Eliza**, (2015) Climate changes and their impact on the variation of groundwater level in the Moldavian Plateau (Eastern Romania), *International Multidisciplinary Scientific Geoconferences, SGEM 2015 Proceedigs* (ISBN: 978-619-7105-13-1), p. 137-145. (indexat WOS)
19. Herbel Ioana, **Croitoru Adina-Eliza**, Rus Ionuț, Harpa Gabriela Victoria, Ciupertea Antoniu-Flavius (2016), Detection of Atmospheric Urban Heat Island through Direct Measurements in Cluj-Napoca City, Romania, *Hungarian Geographical Bulletin*, vol. 67, 2: 117-128. (indexat WOS)
20. Tudose Traian, **Croitoru Adina-Eliza**, Harpa Gabriela Victoria, Scripcă Sabina Andreea (2016) Some Characteristics of Maximum Annual and Seasonal Quantities of Rainfall Registered in 24 hours in Romania, *Proceedings of SGEM-2016, Book4 Vol. 2*, 555-562 pp. (indexat WOS)
21. Mihaiescu Radu, Arghius Viorel-Ilie, Beldean-Galea Mihail-Simion, **Croitoru Adina-Eliza**, Horvath Csaba (2016), The assessment of some priority substances in the Tisza River and its tributary, *The 16th International Multidisciplinary Scientific GeoConference SGEM 2016*. STEF92 Technology Ltd, p. 711-718, ISBN 978-619-7105-61-2. (indexat WOS)
22. **Croitoru Adina-Eliza**, Dogaru Gabriela, Man Titus Cristian, Mălăescu Simona, Motricală Marieta, Scripcă Andreea-Sabina (2019) Perceived Influence of Weather Conditions on Rheumatic Pain in Romania, *Advances in Meteorology*, Research Article (9 pages), Article ID 9187105, Volume 2019. <https://doi.org/10.1155/2019/9187105>. (IF 2019: 1.491; AIS 2019:0.419)
23. Harpa Gabriela-Victoria, **Croitoru Adina-Eliza**, Djurdjevic Vladimir, Horvath Csaba (2019) Future changes in five extreme precipitation indices in the lowlands of Romania, *International Journal of Climatology*, 39, 15, 5720-5740, <https://doi.org/10.1002/joc.6183>. (IF 2019: 3.928; AIS 2019: 1.332).
24. **Croitoru Adina-Eliza**, Man Titus Cristian, Vâtcă Sorin Daniel, Kobulniczky Bela, Stoian Vlad (2020), Refining the Spatial Scale for Maize Crop Agro-Climatological Suitability Conditions in an Area with Complex Topography towards a Smart and Sustainable Agriculture. Case Study: Central Romania (Cluj County), *Sustainability* 2020, 12(7), 2783; <https://doi.org/10.3390/su12072783>. (AIS 2020: 0.462, IF 2020: 3.251; JCI 2020: 0.56)
25. Banc Ștefana, **Croitoru Adina-Eliza**, David Nicoleta Afrodita, Scripcă Andreea-Sabina (2020) Changes Detected in Five Bioclimatic Indices in Large Romanian Cities over the Period 1961–2016, *Atmosphere* 11(8), 819; <https://doi.org/10.3390/atmos11080819> (2020 IF: 2.686; AIS 2020: 0.625; JCI 2020: 0.55). autor corespondent
26. Sidău Mugurel Raul, **Croitoru Adina-Eliza**, Alexandru Diana-Elena (2021) Comparative Analysis between Daily Extreme Temperature and Precipitation Values Derived from Observations and Gridded Datasets in North-Western Romania. *Atmosphere*, 12(3), 361; <https://doi.org/10.3390/atmos12030361> (2021 IF:3.110; AIS 2021: 0.625; JCI 2020: 0.55). autor corespondent
27. Bartok Blanka, Telcian Adrian-S, Săcărea Christian, Horvath Csaba, **Croitoru Adina-Eliza**, Stoian Vlad (2021) Regional Climate Models Validation for Agroclimatology in Romania. *Atmosphere*, 12, 978. <https://doi.org/10.3390/atmos12080978>. (IF 2021: 3.110, AIS: 0.625)
28. Török, I., **Croitoru, A.-E.**, Man, T.-C. (2021) Assessing the Impact of Extreme Temperature Conditions on Social Vulnerability. *Sustainability* 13, 8510. <https://doi.org/10.3390/su13158510>.

29. Scripcă Andreea-Sabina, Acquattro Fiorella, **Croitoru Adina-Eliza**, Fratianni Simona (2022) The impact of extreme temperatures on human mortality in the most populated cities of Romania. *International Journal of Biometeorology*, 66 (1), pp.189-199. DOI: 10.1007/s00484-021-02206-w. (IF 2021: 3.738.; AIS 2021:0.705)
30. Cheval Sorin, Bulai Ana, **Croitoru Adina-Eliza**, Dorondel Stefan, Micu Dana, Mihaila Dumitru, Sfca Lucian, Tiscovschi, Adrian (2022) Climate change perception in Romania. *Theoretical and Applied Climatology*, 149 (1-2), 253-272. DOI:10.1007/s00704-022-04041-4 (IF 2021: 3.410; AIS 2021: 0.632).
31. Horvath Csaba, **Croitoru Adina-Eliza** (2023), Analysis of precipitation extremes related to agriculture and water resources sectors based on gridded daily data in Romania. *Theor Appl Climatol* 151, 355–373 (2023). <https://doi.org/10.1007/s00704-022-04271-6> (IF 2021: 3.410; AIS 2021: 0.632)
32. Magyari-Sáska, Z., **Croitoru, A.-E.**, Horváth, C. & Dombay, Ş. (2023) ClimShift – A new toolbox for the detection of climate change. *Geoscience Data Journal*, 00, 1–15. Available from: <https://doi.org/10.1002/gdj3.234>.
33. **Croitoru Adina-Eliza**, Banc Stefana, Scripcă Andreea Sabina, Rus Adina Viorica (2024), Climatic Suitability for Outdoor Tourism in Romania's Big Cities. *Atmosphere*, 15, 996. <https://doi.org/10.3390/atmos15080996>.
34. Magyari-Sáska Zsolt, Horvath Csaba, Pop Sorin, **Croitoru Adina-Eliza** (2024), A New Approach for Identification and Analysis of Urban Heat Island Hotspots, *Journal of Settlements and Spatial Planning*, 15(2):89-96, DOI: 10.24193/JSSP.2024.2.01
35. Zirbo SG.V., Hoszu B.S., Dioşan L.S., Coroiu A.M., **Croitoru A.E.** (2024), Predicting Health Outcomes using Weather Data: A Dual Machine Learning Approach, *Procedia Computer Science*, 246, 1399-1408, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2024.09.721>. <https://www.sciencedirect.com/science/article/pii/S187705092402790X>
36. Falcescu, Vladut, Cheval, Sorin, **Croitoru, Adina-Eliza**, Hossu, Constantina Alina, Ioja, Ioan-Cristian (2025), A framework-based assessment of climate adaptation readiness in Romanian cities, *Climate Policy*, DOI: <https://doi.org/10.1080/14693062.2025.2570741>
37. MALAIRAU Victor, URSU Cosmina-Daniela, TABARA Roxana, CROITORU Adina-Eliza (2025), Assessment of Spatio-temporal Climate Suitability for Outdoor Tourism Using the Enhanced Tourism Climate Index in the Black Sea Coastal Region, *PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT*, 19(2), <https://doi.org/10.47743/pesd2025192007>
38. Stoian VA, **Croitoru AE**, Horvath C, Paraschiv AN, Diaconu A, Copaciu F, Stoian V, Vâtca, SD (2026), Ecophysiological Assessment of Sweet Potato Flowering and Tuber Development for Yield Optimization and Climate-Adaptive Cultivation in Romania, *HORTICULTURAE*, 12(1), DOI: 10.3390/horticulturae12010115

Total: 38 (standard minimal: 3)

Criteriul 2: Vizibilitatea articolelor științifice

Indicele Hirsch >= 4.

Indice Hirsch: 17 (standard minimal 4)

Criteriul 3: Capacitatea de a susține activități de cercetare

A. Director/Lider de proiect/grant în 2 proiecte/granturi naționale sau responsabil de proiect/grant în 3 proiecte/granturi naționale.

Director de proiect :

1. *Fenomene meteorologice extreme asociate temperaturii aerului și precipitațiilor atmosferice în România PN-II-RU-TE-2014-4-0736*, finanțat de UEFISCDI, perioada 1 octombrie 2015-30 septembrie 2017, Buget : 522.000 ron.
2. *Redefining agro-climatic favourability zones for maize and winter wheat crops towards smart climate change-oriented agriculture in Romania (AGROCLIMRO)*. Proiect experimental – demonstrativ (PED), finanțat de UEFISCDI, 1 august 2020-29 iulie 2022, Budget: 662.910,00 lei (Buget public: 596.245,00 lei, Cofinanțare: 66.665,00 lei).

Responsabil de proiect:

1. *Schimbările climatice – Plan de acțiuni pentru atenuare și măsurile necesare pentru adaptare în județul Sibiu (SC-PAAMA-CJS-2021)*, Finanțat de SEE-Ministerul Mediului. Perioada: 16 decembrie 2021-15 decembrie 2022. Budget: 609.198 ron (buget total), 276.088 ron (buget UBB).
2. *Îmbunătățirea Calității Vieții prin Evaluarea Insulei de Căldură Urbană (INTEGRATE) Cod proiect: PN-III-P2-2.1-PTE-2021-0147*. Contract finanțare: 70PTE/2022, Finanțat de UEFISCDI. Perioada: 21 iunie 2022-20 iunie 2024. Buget: 1401808 ron (buget total), 550.000 ron (buget UBB contractat).
3. *EXplorarea Oportunităților Climatice și evaluaRea favoRabilității teRitoriului României pentru agRicultură Optimizată și Performantă*, Transfer la Operatorul Economic, PN IV P7-7.1-PTE-2024-0006, Transfer la Operatorul Economic 16 PTE / 08.01.2025. Finanțat de UEFISCDI, Buget proiect: 1.788.650 lei din care 1.498.212 din bugetul public și 290.438 cofinanțare a partenerilor private, 368587,00 ron (budget UBB)

Total : 2 proiecte naționale ca director de proiect 3 proiecte naționale ca responsabil de proiect (standard minimal 2 proiecte ca director sau 3 proiecte ca responsabil)

B. Director/Lider de proiect/grant în 1 proiect/grant internaționale sau responsabil de proiect/grant în 2 proiecte/granturi internaționale.

Director de proiect:

1. *Strengthening the Research Capacities for Extreme Weather Events in Romania (SCEWERO)*, Nr contract: 101159497. Finanțat de Comisia Europeană- Orizont Europa, Tip program: Horizon Europe, Tip proiect: Widening participation and spreading excellence. Perioada : 1 octombrie 2024 – 30 septembrie 2027. Buget: 1.494.802,50 EUR.
2. *Pathways to Resilience for Teleorman County (P2R-TR) (sub-grant al Pathways to Resilience)*, Finanțat de Comisia Europeană - Horizon Europa, Tip proiect: RIA (Pilonul II). Grant Agreement: P2R-TR-101093942(P0000470-C2502). 2026-2027. Buget: 210.000 EUR

Responsabil de proiect:

1. *Climate-Neutral and Smart Cities: Planning, Piloting, Inspiring/Orase inteligente si neutre climatic: planificare, pilotare, Inspiratie (M100CITIES)*. Finanțat prin mecanismul SEE (RO-

Cercetare). Nr contract: 2320/19.07.2024. Perioada: 19 iulie 2024 – 30 aprilie 2025. Buget UBB: 65920,00 EUR.

2. *Comunități biocentrice: navigarea în natură, îmbrățișarea ecosistemelor, promovarea tehnologiei (B-CONNECT)*. Finantat de European Urban Initiative. Perioada de implementare: 1 decembrie 2024-septembrie 2028. Buget UBB: 220.000 EUR.

Total: 2 proiecte ca director și 2 proiecte ca responsabil (standard minimal 1 proiect internațional ca director de proiect sau 2 proiecte internaționale ca responsabil de proiect)

Cluj-Napoca,
02.02.2026

Semnătura,