

FACULTATEA DE GEOGRAFIE

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**JUSTIFICAREA ÎNDEPLINIRII CRITERIILOR STABILITE PRIN O.M. nr.  
6129/2016**

Lector. univ. dr. **PRĂVĂLIE Remus**

Nr. crt.	Criteriu	Criteriu minimal	Punctaj criteriu realizat	Îndeplinit/ neîndeplinit
1.	Articole științifice	5 articole ca autor principal în reviste ISI cu factor de impact și AIS cumulat mai mare de 3,5	26 articole publicate, ca ca autor principal, în reviste ISI (19 articole publicate în zona roșie / Q1 în <i>Web of Sciences</i> ) cu AIS cumulat de 27,411	ÎNDEPLINIT
		3 articole în reviste BDI	22 articole BDI	ÎNDEPLINIT
2.	Vizibilitatea articolelor științifice	H-index mai mare ca 4	H-index 21	ÎNDEPLINIT
3.	Capacitatea de susținere a activităților de cercetare	Director/lider de proiect/grant în 2 proiecte naționale sau responsabil în 3 proiecte naționale sau director 1 proiect internațional sau responsabil 2 proiecte cercetare internaționale	Director/lider de proiect/grant în 2 proiecte naționale	ÎNDEPLINIT

## I.1. ARTICOLE ISI PUBLICATE CA AUTOR PRINCIPAL – AIS (ÎN ANUL PUBLICĂRII):

1. **Prăvălie R.**, Nita, I.A., Patriche, C., Niculiță, M., Birsan, M.V., Roșca, B., Bandoc, G., 2021. *Global changes in soil organic carbon and implications for land degradation neutrality and climate stability*. **Environmental Research**, 201, <https://doi.org/10.1016/j.envres.2021.111580>, **Q1**, AIS 1,344;
2. **Prăvălie R.**, 2021. *Exploring the multiple land degradation pathways across the planet*. **Earth-Science Reviews**, 220, <https://doi.org/10.1016/j.earscirev.2021.103689>, **Q1**, AIS 3,769;
3. **Prăvălie R.**, Patriche C., Borrelli P., Panagos P., Roșca B., Dumitrașcu M., Nita I.A., Săvulescu I., Birsan M.V., Bandoc G., 2021. *Arable lands under the pressure of multiple land degradation processes. A global perspective*. **Environmental Research**, 194, <https://doi.org/10.1016/j.envres.2020.110697>, **Q1**, AIS 1,344;
4. **Prăvălie R.**, Patriche C., Tișcovschi A., Dumitrașcu M., Săvulescu I., Sîrodoev I., Bandoc G., 2020. *Recent spatio-temporal changes of land sensitivity to degradation in Romania due to climate change and human activities: An approach based on multiple environmental quality indicators*. **Ecological Indicators**, 118, <https://doi.org/10.1016/j.ecolind.2020.106755>, **Q1**, AIS 1,036;
5. **Prăvălie R.**, Patriche C., Săvulescu I., Sîrodoev I., Bandoc G., Sfică L., 2020. *Spatial assessment of land sensitivity to degradation across Romania. A quantitative approach based on the modified MEDALUS methodology*. **Catena**, 187, <https://doi.org/10.1016/j.catena.2019.104407>, **Q1**, AIS 0,995;
6. **Prăvălie R.**, Sîrodoev I., Patriche C., Roșca B., Piticar A., Bandoc G., Sfică L., Tișcovschi A., Dumitrașcu M., Chifiriuc C., Mănoiu V., Iordache Ș., 2020. *The impact of climate change on agricultural productivity in Romania. A country-scale assessment based on the relationship between climatic water balance and maize yields in recent decades*. **Agricultural Systems**, 179, <https://doi.org/10.1016/j.agry.2019.102767>, **Q1**, AIS 1,175;
7. **Prăvălie R.**, Bandoc G., 2019. *Response to “Regarding nuclear energy: Between global electricity demand, worldwide decarbonisation imperativeness, and planetary environmental implications”*. **Journal of Environmental Management**, 247: 776–779, <https://doi.org/10.1016/j.jenvman.2019.06.108>, **Q1**, AIS 0,925;
8. **Prăvălie R.**, Bandoc G., Patriche C., Sternberg T., 2019. *Recent changes in global drylands: Evidences from two major aridity databases*. **Catena**, 178: 209–231, <https://doi.org/10.1016/j.catena.2019.03.016>, **Q1**, AIS 0,886;
9. **Prăvălie R.**, Patriche C., Bandoc G., 2019. *Spatial assessment of solar energy potential at global scale. A geographical approach*. **Journal of Cleaner Production**, 209: 692–721, <https://doi.org/10.1016/j.jclepro.2018.10.239>, **Q1**, AIS 0,972;
10. **Prăvălie R.**, Piticar A., Roșca B., Sfică L., Bandoc G., Tiscovschi A., Patriche C., 2019. *Spatio-temporal changes of the climatic water balance in Romania as a response to precipitation and reference evapotranspiration trends during 1961–2013*. **Catena**, 172: 295–312, <https://doi.org/10.1016/j.catena.2018.08.028>, **Q1**, AIS 0,886;
11. **Prăvălie R.**, 2018. *Major perturbations in the Earth’s forest ecosystems. Possible implications for global warming*. **Earth-Science Reviews**, 185: 544–571, <https://doi.org/10.1016/j.earscirev.2018.06.010>, **Q1**, AIS 3,613;
12. Bandoc G., **Prăvălie R.\***, Patriche C., Degeratu M., 2018. *Spatial assessment of wind power potential at global scale. A geographical approach*. **Journal of Cleaner Production**, 200: 1065–1086, <https://doi.org/10.1016/j.jclepro.2018.07.288>, (\*autor cu o contribuție egală cu a primului autor), **Q1**, AIS 0,863;
13. **Prăvălie R.**, Bandoc G., 2018. *Nuclear energy: Between global electricity demand, worldwide decarbonisation imperativeness, and planetary environmental implications*. **Journal of Environmental Management**, 209: 81–92, <https://doi.org/10.1016/j.jenvman.2017.12.043>, **Q1**, AIS 0,868;

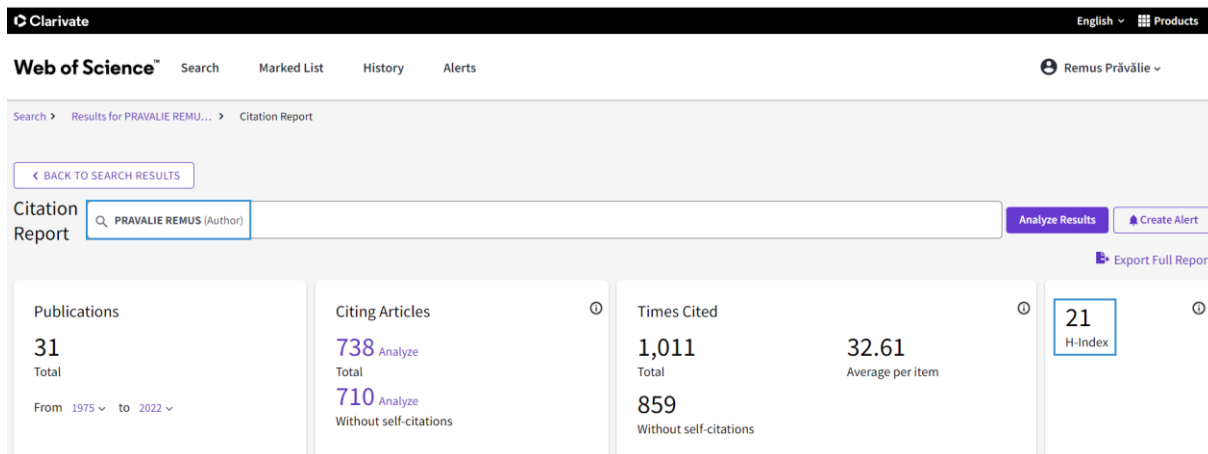
14. Bandoc G., **Prăvălie R.\***, Patriche C., Dragomir E., Tomescu M., 2018. *Response of phenological events to climate warming in the southern and south-eastern regions of Romania*. **Stochastic Environmental Research and Risk Assessment**, 32: 1113–1129, <https://doi.org/10.1007/s00477-017-1452-6>, (\*autor cu o contribuție egală cu a primului autor), **Q1, AIS 0,655**;
15. **Prăvălie R.**, Patriche C., Bandoc G., 2017. *Quantification of land degradation sensitivity areas in Southern and Central Southeastern Europe. New results based on improving DISMED methodology with new climate data*. **Catena**, 158: 309–320, <https://doi.org/10.1016/j.catena.2017.07.006>, **Q1, AIS 0,826**;
16. **Prăvălie R.**, Săvulescu I., Patriche C., Dumitrașcu M., Bandoc G., 2017. *Spatial assessment of land degradation sensitive areas in southwestern Romania using modified MEDALUS method*. **Catena**, 153: 114–130, <https://doi.org/10.1016/j.catena.2017.02.011>, **Q1, AIS 0,826**;
17. **Prăvălie R.**, Bandoc G., Patriche C.V., Tomescu M., 2017. *Spatio-temporal trends of mean air temperature during 1961–2009 and impacts on crop (maize) yields in the most important agricultural region of Romania*. **Stochastic Environmental Research and Risk Assessment**, 31: 1923–1939, <https://doi.org/10.1007/s00477-016-1278-7>, **Q1, AIS 0,608**;
18. **Prăvălie R.**, 2016. *Drylands extent and environmental issues. A global approach*. **Earth-Science Reviews**, 161: 259–278, <https://doi.org/10.1016/j.earscirev.2016.08.003>, **Q1, AIS 3,386**;
19. **Prăvălie R.**, Zaharia L., Bandoc G., Petrișor A., Ionuș O., Mitof I., 2016. *Hydroclimatic dynamics in southwestern Romania drylands over the past 50 years*. **Journal of Earth System Science**, 125: 1255–1271, <https://doi.org/10.1007/s12040-016-0730-x>, **AIS 0,368**;
20. **Prăvălie R.**, Patriche C.V., Sîrodoev I., Bandoc G., Dumitrașcu M., Peptenatu D., 2016. *Water deficit and corn productivity during the post-socialist period. Case study: Southern Oltenia drylands, Romania*. **Arid Land Research and Management**, 30: 239–257, <https://doi.org/10.1080/15324982.2015.1091399>, **AIS 0,238**;
21. **Prăvălie R.**, Bandoc G., 2015. *Aridity variability in the last five decades in the Dobrogea region, Romania*. **Arid Land Research and Management**, 29: 265–287, <https://doi.org/10.1080/15324982.2014.977459>, **AIS 0,217**;
22. **Prăvălie R.**, Sîrodoev I., Patriche C.V., Bandoc G., Peptenatu D., 2014. *The analysis of the relationship between climatic water deficit and corn agricultural productivity in the Dobrogea plateau*. **Carpathian Journal of Earth and Environmental Sciences**, 9: 201–214, <http://www.cjees.ro/viewTopic.php?topicId=485>, **AIS 0,102**;
23. **Prăvălie R.**, Sîrodoev I., Peptenatu D., 2014. *Detecting climate change effects on forest ecosystems in South-Western Romania using Landsat TM NDVI data*. **Journal of Geographical Sciences**, 24: 815–832, <https://doi.org/10.1007/s11442-014-1122-2>, **AIS 0,349**;
24. **Prăvălie R.**, 2014. *Nuclear weapons tests and environmental consequences: A global perspective*. **AMBIO**, 43: 729–744, <https://doi.org/10.1007/s13280-014-0491-1>, **Q1, AIS 1,023**;
25. **Prăvălie R.**, Sîrodoev I., Peptenatu D., 2014. *Changes in the forest ecosystems in areas impacted by aridization in South-Western Romania*. **Journal of Environmental Health Science and Engineering**, 12:2, <https://doi.org/10.1186/2052-336X-12-2>, **AIS 0,071**;
26. **Prăvălie R.**, Peptenatu D., Sîrodoev I., 2013. *The impact of climate change on the dynamics of agricultural systems in South-Western Romania*. **Carpathian Journal of Earth and Environmental Sciences**, 8: 175–186, <http://www.cjees.ro/viewTopic.php?topicId=358>, **AIS 0,066**.

## I.2. ARTICOLE BDI PUBLICATE:

1. Bandoc G., Florescu A.M.S., Degeratu M., **Prăvălie R.**, 2016. *Use of hybrid renewable energy systems for small communities*. **Renewable Energy and Environmental Sustainability**, 1: 1–5 (DOAJ, Crossref ș.a.);
2. **Prăvălie R.**, 2015. *Cuantification of land degradation sensitivity areas in Romania using European DISMED data*. **Present Environment and Sustainable Development**, 9: 73–86 (DOAJ, EBSCO ș.a.);

3. **Prăvălie R.**, 2014. *Analysis of temperature, precipitation and potential evapotranspiration trends in southern Oltenia in the context of climate change.* **Geographia Technica**, 9: 68–84 (SCOPUS, GEOBASE ș.a.);
4. Mitof I., **Prăvălie R.**, 2014. *Temporal trends of hydroclimatic variability in the lower Buzău catchment.* **Geographia Technica**, 9: 87–100 (SCOPUS, GEOBASE ș.a.);
5. **Prăvălie R.**, Costache R., 2014. *The potential of water erosion in Slănic River basin.* **Revista de Geomorfologie**, 16: 79–88 (WorldCat, EBSCO ș.a.);
6. **Prăvălie R.**, Costache R., 2014. *Assessment of socioeconomic vulnerability to floods in the Bâsca Chiojdului catchment area.* **Romanian Review of Regional Studies**, 10: 103–111 (DOAJ, EBSCO ș.a.);
7. **Prăvălie R.**, Costache R., 2014. *The analysis of the susceptibility of the flash-floods' genesis in the area of the hydrographical basin of Bâsca Chiojdului river.* **Forum Geografic**, 13: 39–49 (DOAJ, Scimago ș.a.);
8. 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 Technica**, 8: 47–56 (SCOPUS, GEOBASE ș.a.);
9. **Prăvălie R.**, 2013. *Considerations about the reduction of marshes in Southern Oltenia.* **Geographia Technica**, 8: 71–79 (SCOPUS, GEOBASE ș.a.);
10. Costache R., **Prăvălie R.**, 2013. *The potential of surface runoff manifestation obtained on the basis of the digital elevation model. Case study: The Subcarpathian Sector of Buzău Catchment.* **Studia Universitatis**, 58: 39–47 (EBSCO, GEOREF ș.a.);
11. **Prăvălie R.**, 2013. *Considerations on spatial and temporal dynamics of forest ecosystems from Southern Oltenia.* **Studia Universitatis**, 58: 179–188 (EBSCO, GEOREF ș.a.);
12. **Prăvălie R.**, Sîrodoev I., 2013. *Land use change in Southern Oltenia in postcommunist period: Evidences from CORINE Land Cover.* **Geographica Timisiensis**, 22: 47–56 (EBSCO, Ulrichsweb ș.a.);
13. **Prăvălie R.**, 2013. *Aspects regarding spatial and temporal dynamic of irrigated agricultural areas from Southern Oltenia in the last two decades.* **Present Environment and Sustainable Development**, 7: 133–143 (DOAJ, EBSCO ș.a.);
14. **Prăvălie R.**, Costache R., 2013. *The vulnerability of the territorial-administrative units to the hydrological phenomena of risk (flash-floods). Case study: The subcarpathian sector of Buzău catchment.* **Analele Universității din Oradea, Seria Geografie**, 1: 91–98 (DOAJ, SCPIO ș.a.);
15. Costache R., **Prăvălie R.**, 2013. *The analysis of may 29 2012 flood phenomena in the lower sector of Slănic drainage basin (case of Cernătești locality area).* **GEOREVIEW – Analele Universității Ștefan cel Mare Suceava, Seria Geografie**, 22: 78–87 (DOAJ, WorldCat ș.a.);
16. **Prăvălie R.**, 2013. *Spatio-temporal changes of forest and vineyard surfaces in areas with sandy soils from Southern Oltenia.* **GEOREVIEW – Analele Universității Ștefan cel Mare Suceava, Seria Geografie**, 22: 30–37 (DOAJ, WorldCat ș.a.);
17. **Prăvălie R.**, 2013. *Climate issues on aridity trends of Southern Oltenia in the last five decades.* **Geographia Technica**, 1: 70–79 (SCOPUS, GEOBASE ș.a.);
18. **Prăvălie R.**, 2012. *The abolition of the nuclear weapons. A geopolitical and geostrategic problem in the last five decades.* **Revista Română de Geografie Politică**, 2: 143–154 (EBSCO, SCPIO ș.a.);
19. Costache R., **Prăvălie R.**, 2012. *The use of GIS techniques in the evaluation of the susceptibility of the floods' genesis in the hydrographical basin of Bâsca Chiojdului river.* **Analele Universității din Oradea, Seria Geografie**, 2: 284–293 (DOAJ, SCPIO ș.a.);
20. Costache R., **Prăvălie R.**, 2012. *The temporal dynamic of the precipitations regime in the Bâsca Chiojdului basin and its impact on the surface flow regime.* **Cinq continents**, 2: 269–280 (DOAJ, EBSCO ș.a.);
21. **Prăvălie R.**, 2012. *The dynamics of land use changes and their impacts on the quality of the environment in the area of Brăduleț and Mușătești communes.* **Present Environment and Sustainable Development**, 6: 193–206 (DOAJ, EBSCO ș.a.);
22. **Prăvălie R.**, 2011. *Vidraru tourist region in the context of sustainable development.* **Cinq Continents**, 1: 288–299 (DOAJ, EBSCO ș.a.).

## II. VIZIBILITATEA ARTICOLELOR ȘTIINȚIFICE (H-INDEX ÎN WEB OF SCIENCES):



## III. CAPACITATEA DE SUSȚINERE A ACTIVITĂȚILOR DE CERCETARE:

1. **Director** proiect PN III 20/2020 (*Impactul schimbărilor climatice recente asupra productivității ecologice a pădurilor din România*), proiect postdoctoral câștigat prin competiție la nivel național și finanțat de UEFISCDI, România, în perioada 2020 – 2022 (valoare proiect 245,870 RON);
2. **Director** proiect PN III 107/2018 (*Analiza spațială a susceptibilității terenurilor la degradare în România utilizând metodologia multicriterială MEDALUS*), proiect postdoctoral câștigat prin competiție la nivel național și finanțat de UEFISCDI, România, în perioada 2018 – 2020 (valoare proiect 232,190 RON).



MINISTERUL EDUCAȚIEI

EVoC:: Management Proiecte::

Manager Contractare

Listă Proiecte

**Lista Proiectelor Finanțate**

Nr. Crt.	Nr. contract / Data (Cod Depunere)	Director Proiect Titlu Proiect
[1] [found 2 item(s)]		
1 (866883) ~165229~	PD 20 din 05/08/2020 (PN-III-P1-1.1-PD-2019-0064)	REMUS PRĂVĂLIE IMPACTUL SCHIMBĂRILOR CLIMATICE RECENTE ASUPRA PRODUCTIVITĂȚII ECOLOGICE A PADURILOR DIN ROMÂNIA [CLIMFOREST] UNIVERSITATEA BUCUREȘTI
2 (617420) ~71680~	107 din 02/05/2018 (PN-III-P1-1.1-PD-2016-0953)	REMUS PRĂVĂLIE ANALIZA SPAȚIALĂ A SUSCEPTIBILITĂȚII TERENURILOR LA DEGRADARE ÎN ROMÂNIA UTILIZÂND METODOLOGIA MULTICRITERIALĂ MEDALUS [LANDERSER] UNIVERSITATEA BUCUREȘTI

Data:  
15.03.2022

Semnătură:  
Prăvălie Remus