

PERSONAL INFORMATION



Radu Gabriel PÎRNĂU

 Iași, Șos. Păcurari, nr. 35, bl. 543 A, et. 6, ap. 22, 700535, Iași County, Romania

 +40723503262

 radu.pirnaeu@acadiasi.ro ; radupirnaeu@yahoo.com

| Date of birth 27/05/1977 | Nationality Romanian

JOB POSITION

ROMANIAN ACADEMY IASI BRANCH

Geographic Research Center

WORK EXPERIENCE

01/08/2014 - Present

Scientific Researcher

Romanian Academy – Iasi Branch, Geographic Research Center

01/06/2000 – 15/06/2012

Soil surveyor

Office for Pedological and Agrochemical Studies, Iași, Romania

EDUCATION AND TRAINING

2004-2010

PhD in Geography

“Alexandru Ioan Cuza” University, Iași, Romania

2000-2002

Master in Soil Science

“Alexandru Ioan Cuza” University, Iași, Romania

1995-1999

BSc in Environmental Science - Geography

“Alexandru Ioan Cuza” University, Iași, Romania

PERSONAL SKILLS

Mother tongue

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

- good command of GIS software (ArcGIS, TNTMips)
- good command of photo editing software (Adobe suite)

Driving licence

B

ADDITIONAL INFORMATION

Selected Publications

- Cristian Valeriu Patriche, Bogdan Roșca, **Radu Gabriel PÎRNĂU**, Ionuț Vasiliniuc, 2023. *Spatial modelling of topsoil properties in Romania using geostatistical methods and machine learning*. PLoS ONE 18(8): e0289286. <https://doi.org/10.1371/journal.pone.0289286> (Q1)
- Cristian Valeriu Patriche, Bogdan Roșca, **Radu Gabriel PÎRNĂU**, Ionuț Vasiliniuc, Liviu Irimia, 2023. *Simulation of Rainfall Erosivity Dynamics in Romania under Climate Change Scenarios*. SUSTAINABILITY, 15 (2), 1469. <https://doi.org/10.3390/su15021469> (Q2)
- **Radu Gabriel PÎRNĂU**, Cristian Valeriu Patriche, Bogdan Roșca, Dragoș Alexandru Mirea, Vasile Diaconu, Cristina Oana Stan, Elena Diana Bobric, Ionuț Vasiliniuc, Cristian Mănăilescu, Constantin Rusu, 2022. *Insights into the Phaeozems pedogenesis using total elemental composition analysis. A case study from north-eastern Romania*. GEODERMA 409, 115604. <https://doi.org/10.1016/j.geoderma.2021.115604> (Q1)
- **Radu Gabriel PÎRNĂU**, Simina Margareta Stanc, Bogdan Roșca, Luminița Bejenaru, Mihaela Danu, 2022. *A Multidisciplinary Approach to Human–Environmental Interactions at the Roman-Byzantine Ibida Fortress (Dobrogea, South-Eastern Romania)*. ENVIRONMENTAL ARCHAEOLOGY. <https://doi.org/10.1080/14614103.2022.2058685>. (Q2)
- Felix Adrian Tencariu, Andrei Asăndulesei, Angela Simalscik, Casandra Mihaela Brașoveanu, Ozana-Maria Petraru, Luminita Bejenaru, Mihaela Aurelia Danu, Ana Drob, Radu Alexandru Brunchi, **Radu Gabriel PÎRNĂU**, George Bodi, Maria-Cristina Ciobanu, Radu Stefan Balaur, 2022. *A bolt from the blue: investigations of a singular Bronze Age grave from the Chalcolithic site Ruginoasa (north-eastern Romania)*, ARCHAEOLOGICAL AND ANTHROPOLOGICAL SCIENCES, vol. 14, 81, <http://doi.org/10.1007/s12520-022-01525-2> (Q2).
- Cristina-Oana Stan, **Radu Gabriel PÎRNĂU**, Bogdan Roșca, Doina Smaranda Sirbu-Rădășanu, 2022. *Risk of Salinization in the Agricultural Soils of Semi-Arid Regions: A Case Study from Moldavian Plain (NE Romania)*, SUSTAINABILITY, 14, 17056. <https://doi.org/10.3390/su142417056>. (Q2)
- **Radu Gabriel PÎRNĂU**, Cristian Valeriu Patriche, Bogdan Roșca, Ionuț Vasiliniuc, Nicoleta Vornicu, Simina Margareta Stanc, 2020. *Soil spatial patterns analysis at the ancient city of Ibida (Dobrogea, SE Romania), via portable X-ray fluorescence spectrometry and multivariate statistical methods*. CATENA 189, 104506. <https://doi.org/10.1016/j.catena.2020.104506> (Q1)
- Cristian Valeriu Patriche, **Radu Gabriel PÎRNĂU**, Bogdan Roșca. 2020. *Reconstructing the spatial distribution of large vegetation formations during the mid-Holocene in Romania: a predictive modeling approach*, JOURNAL OF QUATERNARY SCIENCE 1-8. <https://doi.org/10.1002/qs.3243> (Q3)
- Cristian Valeriu Patriche, **Radu Gabriel PÎRNĂU**, Adrian Grozavu, Bogdan Roșca, 2016. *A comparative analysis of binary logistic regression and analytical hierarchy process for landslide susceptibility assessment in the Dobrovăț river basin, Romania*. PEDOSPHERE, 26(3): 335-350. [https://doi.org/10.1016/S1002-0160\(15\)60047-9](https://doi.org/10.1016/S1002-0160(15)60047-9) (Q1)
- Cristian Patriche, **Radu Gabriel PÎRNĂU**, Bogdan Roșca, 2013. *Statistical spatial models for soil parameters: A comparative analysis of several methods applied to Dobrovăț basin (Eastern Romania)*. COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, Volume 44, Issue 1 - 4, Special Issue: SI, 104-112. <https://doi.org/10.1080/00103624.2013.736139> (Q3)

Projects

- Research team member – Project PN-III-P4-PCE-2021-1350 (2022-2024), *Modelling current and future land suitability for crops in Romania under climate change scenarios*, funded by UEFISCDI (<http://roccrop.ro>).
- Research team member - PN-III-P2-2.1-PED-2019-5436 (2020-2022), *Open-Source Spatial Data Infrastructure for Soil Mapping and Land Management*, funded by UEFISCDI (<https://osdisol.ro/>).
- Member in the Management Committee of COST Action CA17131 (2018-2022), *The Soil Science & Archaeo-Geophysics Alliance: going beyond prospection* (SAGA), funded by the European Cooperation in Science and Technology (<https://www.saga-cost.eu/list-of-participants.php>).
- Research team member - PN-III-P4-ID-PCE-2016_0852 (2017-2019), *Colonizing the periphery (Moesia Inferior and Scythia Minor - 1st-6th c.AD): a bioarchaeological approach of Romanization*, funded by UEFISCDI (<https://bioarheoroman.webnode.ro/>).
- Research team member - Partnerships in priority areas grant - PN-II-PT-PCCA-2013-4-2234, no. 314/2014 (2014-2016), *Non-destructive investigations in complex archaeological sites. An integrated model of applied research of the immobile cultural patrimony*, funded by UEFISCDI (<http://arheoinvest.uaic.ro/research/prospect/research/prospect/project-presentation/>).
- Research team member - TE 407/2010-2013 grant –*Integrated analysis of archaeological, pedological, palinologic and archeozoological data from Neo-Eneolithic sites in eastern Romania*, funded by UEFISCDI <https://sites.google.com/site/tecod172/home>
- Research team member - Project 10.819.07.01.F/ 2010-2011 grant – *Archaeological research of Lozova rural settlement from the formation period of the Moldavian medieval state*, funded by the

Academy of Sciences of the Republic of Moldova.

- Research team member - AT 156/2007-2008 grant – *Archaeozoological research regarding the 1st millennium AD communities from the territory between the Danube and the Black Sea and the connections with the central and south-eastern European space*, funded by UEFISCDI <http://old.uefiscdi.ro/Public/cat/377/Granturi/pagina-2.html>
- Research team member - AT 1350/2007-2008 grant – *Multimedia atlas of anthropic soils. GIS application in the hilly Moldavian Plain*, funded by UEFISCDI http://old.uefiscdi.ro/articole/1302/COMISIA_4_A_NOI_FINANTATE.html
- Project leader -TD 479/2007-2009 grant– *The study of soil resources as a decisional support for the sustainable management of Dobrovăț basin in the context of its integration in Iași Metropolitan Area*, funded by UEFISCDI.

Professional affiliations

- Member in *International Union of Soil Sciences* (IUSS)
- Member in *European Society for Soil Conservation* (ESSC)
- Member in *European Association of Archaeologists* (EAA)

Professional platforms

- Orchid: <https://orcid.org/0000-0003-3368-6662>
- BrainMap: <https://www.brainmap.ro/radu-gabriel-pirnaeu>
- WoS: <https://www.webofscience.com/wos/author/record/175919>
- Google Scholar: <https://scholar.google.com/citations?Radu>