

Aurel Perşoiu

Emil Racoviță Institute of Speleology, Romanian Academy
Clinicilor 5, Cluj Napoca 400006, România

Education

PhD	Geology (palaeoclimatology)	2011	University of South Florida, Tampa, USA
MSc	Dynamic and Experimental Geomorphology	2002	Babeş - Bolyai University, Cluj Napoca, Romania
BSc	Geography (major in geomorphology)	2000	Babeş - Bolyai University, Cluj Napoca, Romania

Honors and Awards

2010	Richard A Davis jr. Fellowship for best PhD student, Dept of Geology, University of South Florida, USA
2008	Ralph W Stone Graduate Fellowship, National Speleological Society, USA
2008, 2009	Fred L & Helen M Tharp Endowed Fellow, University of South Florida, USA
2007	Samuel Y Fustukjian Memorial Scholarship, University of South Florida Library, Tampa, USA
2006, 2007	Dean's Excellency Award, College of Arts and Science, University of South Florida, USA
2006	Best Poster Award, HOLIVAR 2006 Open Science Meeting, London, UK
2001	Best Paper Award, 8 th National Congress of Student Geographers, Bucharest, Romania
2000	Best Paper Award, 7 th National Congress of Student Geographers, Bucharest, Romania
1999	Best Paper Award, National Congress of Student Geographers, Târgoviște, Romania
1998-1999	Babeş-Bolyai University Performance Fellowship for Outstanding Research (BSc student)

Research grants awarded (as PI or co-PI)

07.2020-06.2022	<i>Dual (oxygen and strontium) stable isotope-based wood provenancing</i> (PI, Romanian Ministry of Research and Innovation, €125,000)
10.2019-12.2023	<i>Imprint of large-scale atmospheric circulation patterns on the stable isotope composition of precipitation in Eastern Europe</i> (PI, International Atomic Energy Agency, CRP on Isotope variability of rain for assessing climate change impacts, €12,000)
10.2018-12.2018	Mining activities in Eastern Europe during the last 2500 years, reconstructed using Hg measurements in cave ice deposits (PI, Romanian Ministry of Research and Innovation, €4,707)
09.2018-08.2021	<i>Preserving the climate memory of vanishing Eastern Mediterranean subterranean glaciers</i> (PI, International Union of Speleology, €2,000)
06.2018-04.2022	<i>Isotope hydrology of the drinking water supply system of Cluj-Napoca, NW Romania</i> (International Atomic Energy Agency, CRP on Isotope Techniques for the Evaluation of Water Sources for Domestic Supply in Urban Areas, co-PI with Traian Brad, Emil Racoviță Institute of Speleology, €15,000)
06.2018-06.2022	<i>Isotope-based investigation of water resources for irrigation systems in the East-European Plain</i> (PI, International Atomic Energy Agency, CRP on Isotope techniques for the evaluation of water sources in irrigation systems, €15,000)
05.2018-04.2020	<i>Reconstruction and analysis of patterns of winter temperature and North Atlantic Oscillation variability in Europe during the past millennium: an underground glaciers perspective</i> (PI, Romanian Ministry of Research and Innovation, €100,000)
10.2017-03.2018	<i>Assessment of the palaeoclimatic potential of the stable isotope composition of Pinus Mugo tree ring cellulose</i> (PI, Romanian Ministry of Research and Innovation, €4,640)
10.2015-09.2017	<i>Crossing the Carpathians: environmental and cultural controls of the expansion of Neolithic cultures in SE Europe</i> (PI, Romanian Ministry of Education, €125,000)
01.2015-12.2016	<i>Quantification of the climate – speleothem stable isotopes relationships on a W-E European transect</i> (CNRS France and Romanian Ministry of Education, co-PI with Dominique Genty, LSCE, €15,000)
07.2014-10.2017	<i>Water stable isotope study of the climate-river discharge relationship(s) in the Lower Danube Watershed</i> (PI, International Atomic Energy Agency, CRP on Stable Isotopes in Large Rivers, €12,000)
01.2013-12.2014	<i>$\delta^{18}O$ in precipitation, tree rings, climate relationship in Hungary and Romania along a West-East humidity gradient</i> (Romanian Ministry of Education, co-PI with Zoltán Kern, Hungarian Academy, €15,000)
10.2011-09.2014	<i>Rolsoscapes - understanding the link between climate and stable isotopes in precipitation, drip water and newly precipitated cave calcite, in Romania</i> (PI, Romanian University Research Council, €225,321)
09.2009-08.2010	<i>Late Holocene climate changes recorded in perennial ice accumulation in caves</i> (PI, Cave Conservancy Foundation, \$15,000)
01.2008-12.2008	<i>Assessment of the palaeoclimatic records preserved in perennial ice accumulations in caves</i> (PI, National Speleological Society, \$483)
03.2007-02.2008	<i>Testing and validating the palaeoclimatic significance of perennial ice accumulations in caves</i> (PI, Geological Society of America, \$3,200)
01.2007-12.2007	<i>Reconstruction of past climate changes using ice in caves as source of palaeoclimatic data</i> (PI, Sigma XI - Grant-in-aid of research, \$400)
01.2006-12.2007	<i>Establishment of relations between stable isotopes - palaeoclimatic information in ice from caves</i> (PI, Romanian University Research Council, €3,600)

Mentoring

University of Suceava

Carmen Bădăluță, PhD thesis committee member (2014-2019)
Viorica Nagavciuc, PhD thesis committee member (2014-2019)
Carmen Bădăluță, MSc, major adviser (2012-2014)
Viorica Nagavciuc, MSc, major adviser (2012-2014)

West University of Timișoara

Renata Feher, PhD thesis committee member (2017-2020)
Renata Feher, MSc, co-adviser (2015-2017)

Babeș-Bolyai University, Cluj Napoca

Anisia Domide, MSc, co-adviser (2016-2018)
Andreea Filip, BSc, co-adviser (2017-2018)

Professional activities

- 2020 Guest associate editor, *Frontiers in Earth Science*
- 2011-2019 I regularly (15-20 reviews/year) act as reviewer for grants submitted to *ERC, NSF (US); FONDECYT (Chile)* and research articles for *Global and Planetary Change; Earth and Planetary Science Letters; Atmospheric Chemistry and Physics; Scientific Reports; Journal of Hydrology; The Holocene; Climate of the Past; The Cryosphere; Hydrology and Earth System Sciences; Hydrological Processes; Progress in Physical Geography; Science of the Total Environment; Theoretical and Applied Climatology; Isotopes in Environmental and Health Studies; Water; Geografiska Annaler; Geological Society (UK); Arctic, Antarctic, and Alpine Research; Water Science and Technology; International Journal of Speleology; Geochronometria, Geografia Fisica e Dinamica Quaternaria; Annales Societatis Geologorum Poloniae.*
- 2018- National representative for Geosciences at SCAR (Scientific Committee on Antarctic Research)
- 2018 Member of the scientific committee, 8th International Workshop On Ice Caves, Potes, Spain, June 11-16, 2018
- 2018 Co-convenor *Isotopic and multi-proxy continental, atmospheric and marine records*, EGU, Vienna, Austria
- 2017 Member of the Romanian National Research Council (CNCS), Earth Science Commission
- 2017 Convener, *Stable isotopes in the atmosphere – from vapor to precipitation*, EGU, Vienna, Austria
- 2016 Member of the 2nd Romanian expedition in Antarctica
- 2016 Convener, *Stable isotopes in the atmosphere – from vapor to precipitation*, EGU, Vienna, Austria
- 2016- Member of the editorial board, *Romanian Journal of Geomorphology*
- 2013-2015 Guest Editor, *Quaternary International* (Climate change and impacts between 8 and 60 ka in Central and Eastern Europe)
- 2014- Member of the steering group of the *INTegrating Ice core, MARine and TERrestrial records* network
- 2015 Convener, *Stable isotopes in the atmosphere – from vapor to precipitation*, EGU, Vienna, Austria
- 2014 Co-convenor, *Past and present climate: the continental isotopic record*, EGU, Vienna, Austria
- 2013- Vice-president, *Glacier, Firn and Ice Caves Commission, International Speleological Union*
- 2012-2014 Romanian coordinator, EU-COST action INTIMATE (INTegrating Ice core, MARine and TERrestrial records - 60,000 to 8000 years ago)
- 2012- Member of the National Commission for Antarctic Research, Romanian Academy
- 2012-2013 Member of the Romanian National Research Council (CNCS), Earth Science Commission
- 2012 Member of the Scientific Committee, 5th International Workshop on Ice Caves, Barzio, Italy
- 2012 Co-convenor, *IG5/CL5.8/SSP5.3 Stable isotopes as a tool in (palaeo-)climate studies in different environments and by multi-proxy approaches*, EGU General Assembly, Vienna, Austria
- 2011 Program committee member, 19th International Karstological School, Postojna, Slovenia.
- 2011 Co-convenor, *Ice deposits in caves: formation, evolution and climate-environment assessment*, EGU, Vienna, Austria
- 2010 Program committee member, 18th International Karstological School, Postojna, Slovenia
- 2007-2009 President, Working Group on Ice Caves, International Speleological Union
- 2006-2010 Co-organizer, “Best of Karst” Events, University of South Florida, Tampa, USA
- 2006-2007 Romanian coordinator, Agreement of Scientific Cooperation in the field of karstology, palaeokarstology, speleology and cave environment, between the Emil Racoviță Institute of Speleology (Romania) and the Institute of Geology - Czech Academy of Science
- 2006 Co-organizer, 18th International Symposium of Biospeleology Cluj Napoca, Romania
- 2006 Co-organizer, 4th Climate Change: the Karst Record Conference, Băile Herculane, Romania
- 2004 Co-organizer, 10th European meeting of Environmental Science Students, Sibiu, Romania
- 2004 Co-organizer, 1st International Workshop on Ice Caves, Căpuș, Romania

Public outreach

Interviewed/featured: Science, BBC, American Scientist, Climatefeedback.org, Radio France International, Seeker, Romanian National Radio, Romanian National TV, Earth Magazine, Magyar Tudomány, various Romanian media outlets (ProTV, Antena1 TV, Unirea de Alba, Ziarul Financiar, Monitorul de Suceava, Mediafax, Ecoromania etc).

Scientific advisor to National Geographic Romania on glaciology

Publications

A. Peer-reviewed articles (* denotes graduate students)

36. Vystavna Y, Schmidt SI, Kopáček J, Hejzlar J, Holko L, Matiatos I, Wassenaar L, **Perşoiu A**, *Bădăluță C-A, Huneau F, 2020, Small-scale chemical and isotopic variability of hydrological pathways in a mountain lake catchment, *Journal of Hydrology*, 585: 124834, <https://doi.org/10.1016/j.jhydrol.2020.124834>.
35. Kern Z, Demény A, **Perşoiu A**, Hatvani IG, 2019, Speleothem records from the Eastern part of Europe and Turkey - discussion on stable oxygen and carbon isotopes, *Quaternary*, 2(3): 31, <https://doi.org/10.3390/quat2030031>.
34. *Păun VI, Icaza G, Lavin P, Marin C, Tudorache A, **Perşoiu A**, Dorador C, Purcărea C, 2019, Total and potentially active bacterial communities entrapped in a Late Glacial through Holocene ice core from Scărișoara Ice Cave, Romania, *Frontiers in Microbiology*, 10: 1193, <https://doi.org/10.3389/fmicb.2019.01193>.
33. *Nagavciuc V, Ioniță M, **Perşoiu A**, Popa I, Loader N, McCarroll D, 2019, Stable oxygen isotopes in Romanian oak tree rings record summer droughts and associated large-scale circulation patterns over Europe, *Climate Dynamics*, 52 (11): 6557-6568, <https://doi.org/10.1007/s00382-018-4530-7>.
32. **Perşoiu A**, Ioniță M, Weiss H, 2019, Atmospheric blocking induced by the strengthened Siberian High led to drying in the Middle East during the 4.2 ka event – a hypothesis, *Climate of the Past*, 15 (2): 781-793, <https://doi.org/10.5194/cp-2018-161>.
31. Bini M, Zanchetta G, **Perşoiu A**, Cartier R, Català A, Cacho I, Dean JR, Di Rita F, Drysdale RN, Finnè M, Isola I, Jalali B, Lirer F, Magri D, Masi A, Marks L, Mercuri AM, Peyron O, Sadori L, Sicre M-A, Welc F, Zielhofer C, Brisset E, 2019, The 4.2 ka BP event in the Mediterranean region: an overview, *Climate of the Past*. 15 (2): 555-577, <https://doi.org/10.5194/cp-2018-147>.
30. *Bădăluță C-A, **Perşoiu A**, Ionita M, *Nagavciuc V, *Bistricean P-I, 2019, Stable H and O isotope-based investigation of moisture sources and their role in river and groundwater recharge in the NE Carpathian Mountains, East-Central Europe, *Isotopes in Health and Environmental Studies*. 55 (2): 161-178, <https://doi.org/10.1080/10256016.2019.1588895>.
29. Perşoiu I, **Perşoiu A**, 2019, Flood events in Transylvania during the Medieval Warm Period and the Little Ice Age, *The Holocene*, 29 (1): 85-96. <https://doi.org/10.1177/095968361804632>.
28. *Mondini A, Donhauser J, *Ițcuș C, Marin C, **Perşoiu A**, Frey B, Purcărea C, 2018, High-throughput sequencing of fungal communities across the perennial ice block of Scărișoara Ice Cave, *Annals of Glaciology*, 59 (77): 134-146, <https://doi.org/10.1017/aog.2019.6>.
27. *Ițcuș C, *Pascu M-D, **Perşoiu A**, Iancu L, Lavin P, Purcărea C, 2018, Bacterial and archaeal community structures in perennial cave ice, *Scientific Reports*, 8, 15671, <https://doi.org/10.1038/s41598-018-34106-2>.
26. Vystavna Y, Holko L, Hejzlar J, **Perşoiu A**, Graham ND, Juras R, Huneau F, Gibson J, 2018, Isotopic response of runoff to forest disturbance in small mountain catchments, *Hydrological Processes*, 32 (24): 3650-3661, <https://doi.org/10.1002/hyp.1328>.
25. Ersek V, Onac BP, **Perşoiu A**, 2018, Kinetic processes and stable isotopes in cave dripwaters as indicators of winter severity, *Hydrological Processes*, 32(18): 2856-2862. <https://doi.org/10.1002/hyp.13231>.
24. Brad T, *Ițcuș C, *Pascu M-D, **Perşoiu A**, Hillebrand-Voiculescu A, Purcărea C, 2018, Fungi in perennial ice from Scărișoara Ice Cave (Romania), *Scientific Reports*, 8, 10096. <https://doi.org/10.1038/s41598-018-28401-1>.
23. *Nagavciuc V, Kern Z, **Perşoiu A**, Kesjár D, Popa I, 2018, Brown-rot decay influence on the stable isotope composition of tree ring cellulose, *Dendrochronologia*, 49: 110-117. <https://doi.org/10.1016/j.dendro.2018.03.007>.
22. **Perşoiu A**, Onac BP, Wynn JG, Blaauw M, Ioniță M, Hansson M, 2017, Holocene winter climate variability in Central and Eastern Europe, *Scientific Reports*, 7, 1196. <https://doi.org/10.1038/s41598-017-01397-w>.
21. Feurdean A, Munteanu C, Kuemmerle T, Nielsen AB, Hutchinson SM, Ruprecht E, Parr CL, **Perşoiu A**, Hickler T, 2017, Long-term land-cover/use change in a traditional farming landscape in Romania inferred from pollen data, historical maps, and satellite images, *Regional Environmental Change*, 17 (8): 2193–2207. <https://doi.org/10.1007/s10113-016-1063-7>.
20. Drăgușin V, Balan S, Blamart D, Forray FL, Marin C, Mirea I, Nagavciuc V, **Perşoiu A**, Tîrlă L, Tudorache A, Vlaicu M, 2017, Transfer of environmental signals from surface to the underground at Ascunsă Cave, Romania, *Hydrology and Earth System Sciences*, 21: 5357-5373. <https://doi.org/10.5194/hess-2016-625>.
19. Iepure S, Feurdean A, Bădăluță C-A, Nagavciuc V, **Perşoiu A**, 2016, Groundwater copepods and ostracods in the Eastern Carpathians, Romania: a distributional pattern and palaeoenvironmental perspective, *Biological Journal of the Linnean Society*. 119: 593-608, <https://doi.org/10.1111/bij.12686>.
18. *Ițcuș C, *Pascu M-D, Brad T, **Perşoiu A**, Purcărea C, 2016, Diversity of cultured bacteria from the perennial ice block of Scărișoara Ice Cave, Romania, *International Journal of Speleology*, 45 (1): 89-100. <https://doi.org/10.5038/1827-806X.45.1.1948>.
17. **Perşoiu A**, Feurdean A, Wim HZ, 2015, Closing and exposing the gaps in knowledge: INTIMATE workshop on terrestrial records from Central and Eastern Europe for the Last Glacial–Interglacial transition, *Quaternary International*, 388: 1-3. <https://doi.org/10.1016/j.quaint.2015.09.003>.
16. Mulec J, Oarga A, Schiller E, **Perşoiu A**, Holko L, Šebela S, 2015, Assessment of the physical environment of epigean invertebrates in a unique habitat according to water temperature, chemistry and isotopic composition: the case of a karst sulphidic spring, Slovenia. *Ecohydrology*, 8 (7): 1326-1334. <https://doi.org/10.1002/eco.1585>.
15. Feurdean A¹, **Perşoiu A**¹, Tanțău I, Stevens T, Markovic S, Magyari EK, Onac BP, Andric M, Connor S, Galka M, Hoek WZ, Lamentowicz M, Sümegi P, Perşoiu I, Kolaczek P, Kunes P, Marinova E, Slowinski M, Michczynska D, Stancikaite M, Svensson A, Veski S, Fărcaș S, Tămaș T, Zernitskaya V, Timar A, Tonkov S, Toth M, Willis KJ, Plóciennik M,

- Gaudeny T, 2014, Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 8 and 60 kyrs ago, *Quaternary Science Reviews*, 106: 206-224. <https://doi.org/10.1016/j.quascirev.2014.06.003>,
 †Authors with equal contribution
14. Moreno A, Svensson A, Brooks SJ, Connors S, Engels S, Fletcher W, Genty D, Heiri O, Labuhn I, **Perşoiu A**, Peyron O, Sadori L, Valero-Garcés B, Wulf S, Zanchetta G and data contributors, 2014, A compilation of Western European terrestrial records 60-8 ka BP: towards an understanding of latitudinal climatic gradients, *Quaternary Science Reviews*, 106: 167-185. <https://doi.org/10.1016/j.quascirev.2014.06.030>.
 13. Hillebrand-Voiculescu A, Iţcuş C, Ardelean I, Pascu MD, **Perşoiu A**, Rusu A, Brad T, Popa E, Onac BP, Purcărea C, 2014, Searching for cold-adapted microorganisms in the underground glacier of Scărişoara Ice Cave, Romania, *Acta carsologica*, 43 (2-3): 117-127. <https://doi.org/10.3986/ac.v43i2-3.604>.
 12. Hillebrand-Voiculescu A, Rusu A, Iţcuş C, **Perşoiu A**, Brad T, Pascu MD, Ardelean I, Onac BP, Purcărea C, 2013, Bacterial 16S-rRNA gene clone library from recent ice stalagmites of Scărişoara Cave, *Romanian Journal of Biochemistry*, 50 (2): 109-118.
 11. Žák K, Orvošová M, Filippi M, Vlček L, Onac BP, **Perşoiu A**, Rohovec J, Světlík I, 2013, Cryogenic cave pearls in the periglacial zones of ice caves, *Journal of Sedimentary Research*, 83: 207-220. <https://doi.org/10.2110/j.sr.2013.16>.
 10. Kern Z, **Perşoiu A**, 2013, Cave ice - the imminent loss of untapped mid-latitude cryospheric palaeoenvironmental archives, *Quaternary Science Reviews*, 67: 1-7. <https://doi.org/10.1016/j.quascirev.2013.01.008>.
 9. Moldovan O, Meleg I, **Perşoiu A**, 2012, Habitat fragmentation and its effects on groundwater populations, *Ecohydrology*, 5 (4): 445-452. <https://doi.org/10.1002/eco.237>.
 8. **Perşoiu A**, Onac BP, Perşoiu I, 2011, The interplay between air temperature and ice dynamics in Scărişoara Ice Cave, Romania, *Acta Carsologica*, 40 (3): 445-456. <http://dx.doi.org/10.3986/ac.v40i3.4>.
 7. Feurdean A, **Perşoiu A**, Pazdur A, Onac BP, 2011, Evaluating the palaeoecological potential of pollen recovered from ice in caves: a case study from Scărişoara Ice Cave, Romania, *Review of Palaeobotany and Palynology*, 165 (1-2): 1-10. <https://doi.org/10.1016/j.revpalbo.2011.01.007>.
 6. **Perşoiu A**, Pazdur A, 2011, Ice genesis and its long-term mass balance and dynamics in Scărişoara Ice Cave, Romania, *The Cryosphere*, 5 (1): 45-53. <https://doi.org/10.5194/tc-5-45-2011>.
 5. **Perşoiu A**, Onac BP, Wynn J, Bojar A-V, Holmgren K, 2011, Stable isotopes behavior during cave ice formation by water freezing in Scărişoara Ice Cave, *Journal of Geophysical Research - Atmospheres*, 116, D02111. <https://doi.org/10.1029/2010JD014477>.
 4. Bojar A-V, Ottner F, Bojar H-P, Grigorescu D, **Perşoiu A**, 2009, Stable isotope and mineralogical investigations on clays from the Late Cretaceous sequences, Haţeg Basin, Romania, *Applied Clay Science*, 45 (3): 155-163. <https://doi.org/10.1016/j.clay.2009.04.005>.
 3. Kern Z, Molnár M, Svingor É, **Perşoiu A**, Nagy B, 2009, High resolution, well preserved tritium record in the ice of Borţig Ice Cave (Bihor Mts., Romania), *The Holocene*, 19 (5): 729-736. <https://doi.org/10.1177/0959683609105296>.
 2. Žák K, Onac BP, **Perşoiu A**, 2008, Cryogenic carbonates in cave environments: a review, *Quaternary International*, 187 (1): 84-96. <https://doi.org/10.1016/j.quaint.2007.02.022>.
 1. Holmlund P, Onac BP, Hansson M, Holmgren K, Mörth M, Nyman M, **Perşoiu A**, 2005, Assessing the palaeoclimate potential of cave glaciers: the example of Scărişoara Ice Cave (Romania), *Geografiska Annaler*, 87 A (1): 193-201. DOI: <https://doi.org/10.1111/j.0435-3676.2005.00252.x>.

B. Book and chapters in books

12. **Perşoiu A**, Onac BP, 2019, *Ice in caves*. In White, W.B., Culver, D.C., Pipan, T. (eds.), *Encyclopedia of Caves*, 3rd Edition, Academic Press, p. 553-558. <https://doi.org/10.1016/B978-0-12-814124-3.00066-2>.
11. **Perşoiu A**, Onac BP, 2019, *Ice caves in Romania*. In Ponta, G.M.L., Onac, B.P. (eds.), *Cave and Karst Systems of Romania*, Springer, 455-465. https://doi.org/10.1007/978-3-319-90747-5_52.
10. **Perşoiu A**, Lauritzen S-E (eds.), 2018, *Ice caves*, Elsevier, 752 p.
9. Brad, T., Bădăluţă, C., **Perşoiu, A.**, 2018, *Ice caves in Romania*. In Perşoiu, A., Lauritzen, S.-E. (eds.), *Ice caves*, Elsevier, p. 511-528. <https://doi.org/10.1016/B978-0-12-811739-2.00025-5>.
8. **Perşoiu A**, 2018, *Paleoclimatic significance of cave ice*. In Perşoiu, A., Lauritzen, S.-E. (eds.), *Ice caves*, Elsevier, p. 189-198. <https://doi.org/10.1016/B978-0-12-811739-2.00009-7>.
7. **Perşoiu A**, 2018, *Ice dynamics in caves*. In Perşoiu, A., Lauritzen, S.-E. (eds.), *Ice caves*, Elsevier, p. 97-108. <https://doi.org/10.1016/B978-0-12-811739-2.00034-6>.
6. **Perşoiu A**, 2018, *Ice caves climate*. In Perşoiu, A., Lauritzen, S.-E. (eds.), *Ice caves*, Elsevier, p. 21-32. <https://doi.org/10.1016/B978-0-12-811739-2.00003-6>.
5. **Perşoiu A**, 2017, *Climate evolution during the Late Glacial and the Holocene*. In Rădone, M., Vespremeanu-Stroe, A. (eds.) *Landform dynamics and evolution in Romania*, Springer, pp. 57-66. https://doi.org/10.1007/978-3-319-32589-7_3.
4. Chirienco M, **Perşoiu A**, 2015, *Cave*. In Hargitai, H., Kereszturi, Á. (eds.) *Encyclopedia of Planetary Landforms*, Springer, pp. 227-231. https://doi.org/10.1007/978-1-4614-3134-3_32.
3. **Perşoiu A**, Onac BP, 2012, *Ice in caves*. In White, W., Culver, D.C. (eds.) *Encyclopedia of Caves*, Elsevier, pp. 399-404.
2. Onac BP, **Perşoiu A**, Racoviţă G, Tămaş T, Viehmann I, 2007, *Scărişoara Ice Cave and its surroundings*. Studia, Cluj Napoca, 88 p.
1. Onac BP, Tămaş T, Constantin S, **Perşoiu A** (Eds.), 2006, *Archives of climate change in karst*. Karst Waters Institute Special Publication 10, Charles Town, 246 p.