

## CURRICULUM VITAE

### Personal information:

Name: **ONAC**, Petroniu Bogdan  
Work address: School of Geosciences, University of South Florida, Tampa, USA  
4202 E. Fowler Ave., NES 107, Tampa, FL 33620

**Courtesy Affiliations:** Emil G. Racovita Institute, Babes-Bolyai University  
(Adjunct Research Professor)

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### Education:

1969-1977: Elementary and Secondary School, Satu-Mare, Romania  
1977-1981: High School of Chemistry, Satu-Mare, Romania  
1982-1987: Faculty of Geology, University "Babes-Bolyai" (UBB), Cluj, Romania

**Academic degree:** B.Sc. from University of Cluj in 1987  
Ph.D. from University of Cluj in 1996.  
The Ph.D. thesis: *Speleothems from caves in Padurea Craiului Mountains: a mineralogic, crystallographic, and paleoclimatic study.*

**Position held:** Oct. 2005- present: **Professor** - School of Geosciences, Univ. South Florida, USA  
2018 – present: **Courtesy Professor** - Dept. of Geology, UBB Cluj  
2001 – 2005: **Professor** - Dept. of Geology, UBB Cluj  
1999 – 2001: **Reader** - Dept. of Geology, UBB Cluj  
1996 – 1999: **Lecturer** - Dept. of Geology, UBB Cluj  
2005 – present: **Associate Researcher**, *Speleological Institute in Cluj*  
1991 – 2005: **Senior Researcher**, *Speleological Institute in Cluj*

**Courses taught:** Crystallography, Soil Geology, Sedimentary Petrology, Karst Geology, Geochemistry, Isotopic geochemistry, Soil Geology

**Interests:** Paleoclimate and sea-level reconstruction based on cave deposits;  
Mineralogy & Geochemistry; Karst geomorphology & speleogenesis

### Work experience:

1987–1991 *Senior Geologist*, Suncuius Mining Enterprise, Romania.  
1991–2011 *Senior Scientists*, Romanian Academy, Speleological Institute, Cluj  
1996–10/2005 UBB Cluj-Napoca, Quaternary Research Group, Dept. of Geology.  
1993–94 (4 months) *Junior Research Fellow*, Dept. of Quaternary Geology, Bergen University, Norway  
1995 (9 months) *Ph.D. student*, Dept. of Quaternary Geology, Bergen University, Norway  
1996–97 (4 months) *Visiting Fellow*, Dept. of Quaternary Geology, Bergen University, Norway

1998–99 (6 months) *Fulbright Fellow (Postdoctoral)*, MRL, Penn State University, USA.  
1999 (9 months) *Postdoctoral Fellow*, Dept. of Quaternary Geology, Lund University, Sweden  
2000 (1 month) *Visiting Fellow*, Dept. of Geology, University of Copenhagen, Denmark  
2002 (5 months) *Visiting Professor*, Dept. of Geology, University of Bergen, Norway  
2004, 2016 (2 mo) *Visiting Professor*, Dept. of Earth Sciences, Balearic Islands University, Palma de Mallorca, Spain

**Publications:** see the list attached after my CV

**Membership:** I am member of the American Geophysical Union, Geological Society of America, European Geosciences Union, American Mineralogical Society, Romanian Geological Society, *Cave Mineralogy Commission* within the International Union of Speleology, National Speleological Society, and European Society for Isotope Research.

I am evaluating grant proposals for the: Italian Ministry for Education University and Research (MIUR), Austrian, UK, Croatian, Czech, and Hungarian Science Foundations and I have been requested to evaluate grant proposals submitted to the NSF (USA), European Science Foundation, National Geographic, and Romanian Council for University Research.

#### **Grants (ongoing and finalized: PI = principal investigator)**

2020-2023: **NSF (Paleoclimate):** Exploring the paleoenvironmental data archived in ice deposits from lava tubes before its imminent loss to ice melting **(PI) - \$181,309**

2021-2022: **NCKRI:** Late Holocene climate variability from ice caves in Hawaii **(PI) - \$25,000**

*I have completed the following grants:*

(1) 2016-2020 **NSF (P2C2)-** *A 5-million-year record of western Mediterranean Sea level variability (PI) - \$614,854;*

(2) 2016-2019: **National Park Service** - Climate and vegetation reconstructions using ice and guano cores in lava tubes at El Malpais, NM **(PI) - \$38,317;**

(3) 2011-2016 **CNCS** - Stable isotope signature in cave guano as archive of past environments (PN-II-ID-PCE- 2011-3-0588) **(PI);**

(4) 2011-2015 **NSF (P2C2)** - *Sea-level variability over the past 200,000 years precisely reconstructed from carbonate deposits in Mallorca caves (PI) - \$237,841;*

(5) 2008-2011 **NSF (P2C2)** - Northern Annular Mode (NAM) variability during the Little Ice Age and Medieval Warm Period in a cave ice core record from northwestern Romania **(PI);**

(6) 2007-2010 **CNCS** *Identification of hypogene caves on Cerna Valley (Romania) based on stable isotope analysis (PI)*

(7) 2007 **USF Division of Sponsored Research** - *Sea-level changes in western Mediterranean recorded on unusual cave deposits from Mallorca, Spain (PI) - \$25,000;*

(8) 2008-2009 **NSF** - *US-Spain Planning Visit: Collaborative Research on Sea-Level Changes Recorded in Coastal Caves of Mallorca (PI) - \$25,000;*

(9) 2008-2010 CNCS - *Chemical reactions within the cave environment: mineralogical, geochemical, and geochronological aspects* (Ministry of Education and Research, Romania **(PI)**)

(10) 2006 USF - CAS - *150,000-years climate reconstruction in the Caribbean region based on cave deposits* **(PI)**;

(11) 2005-2007 CNCS - *Paleoclimate reconstructions based on interdisciplinary studies of ice deposits from caves in Romania* **(PI)**;

(12) 2005-2007 CNCS - *Study of rapid climate changes during the Late Pleistocene based on speleothems from caves in Southern and Western Carpathians: reference-profiles for the paleoclimate* **(co-PI)**;

(13) 2000 **World Bank Grant** - *Mineralogy, dating and soil pollution* **(PI) - \$50,000**;

(14) 2002-2004 CNCS - *Interference between karst and geothermal fields* (Ministry of Education and Research, Romania **(PI)**);

(15) 2001-2002 **Grant HPRI-CT-1999-00008 (UK)** - *Extreme climatic events during the last 25,000 years recorded in cave deposits from NW Romania* **(PI) - £10,000**

(16) 1997-1999 CNCS - *Quaternary paleoclimate reconstruction in NW Romania based on cave deposits* (Ministry of Education and Research, Romania **(PI)**);

- Languages:** English (speak, read and write fluently), French (speak and read fluently).
- Congresses:** I have presented 157 papers (oral or poster) in different Speleological and Geological meetings in Brazil, Mexico, China, South Africa, USA, England, Portugal, Italy, Switzerland, Norway, Sweden, Poland, Slovenia, Belgium, Spain, and Austria.
- Field work:** I have participated on various Karst or Quaternary Geology field trips (pre- and post-congress or thematic courses) and field activities in:  
Roraima, Venezuela (sandstone karst)  
Arctic Ocean (August-October 2012)  
Sweden (Abisko and surroundings, Kullaberg, Skane)  
Norway (Andoya, Glomdal, Spitsbergen, Tromso, etc.)  
USA (Arizona, New Mexico, Kentucky, Texas, Pennsylvania, Colorado, West Virginia, Florida, Alabama, Utah)  
San Salvador (Bahamas)  
Cuba (Bellamar, Vinales)  
South Africa (Transvall, Karroo, Sterkfontain, Cape region)  
China (Yunan, Guilin, Guangzou)  
Switzerland (Innerbergli, Beatenberg, Interlaken, Swiss Jura)  
Mallorca & Tenerife Islands (Spain)  
Slovenia (classical karst region)  
Italy (Frasassi and Monte Cucco caves)  
and on various routes in Poland, Austria, France, Belgium, Island, Peru, Brazil, Mexico, and Greenland.
- Other activities:** Editor-in-Chief: *International Journal of Speleology* **(ISI-ranked)**;  
<http://scholarcommons.usf.edu/ijs/>  
*Studia Universitatis Babes-Bolyai, Geologia*  
<http://scholarcommons.usf.edu/geologia/>  
Guest Editor: *Quaternary International* **(2008)**, *Isotopes in Environmental and Health Studies* **(2008)**

Member in the Scientific Board of *Carbonates and Evaporites* and *Acta Carsologica* (ISI-ranked)

**Reviewer** for: *Nature*, *Nature Geoscience*, *Geology*, *Holocene*, *Mineralogical Magazine*, *American Mineralogist*, *Canadian Mineralogist*, *Cave and Karst Science*, *Quaternary Science Reviews*, *Acta Carsologica*, *Karstologia*, *Endins*, *Journal of Sedimentary Petrology*, *Earth and Planetary Science Letters*, *International Journal of Climatology*, *International Journal of Speleology*, *Spectroscopy Letters*, *National Geographic*, *Paleo3*, *Sedimentology*, *Quaternary Research*, *Scientific Reports*, *Science of Total Environment*, etc.

Past President & Vice-President of the ***European Society of Isotope Research***

President of the *Cave Minerals Commission* within *UIS* (since 2006)

Guest Professor at Department of Quaternary Geology, Lund University (1999 and 2002) – graduate/PhD course *Paleoclimate from cave deposits*.

- Member in the Organizing Committee of the 1<sup>st</sup> Conference on *Climate Change: the Karst Record* (Bergen, Norway, 1996).

- I organized 5 international meetings on Karst, Quaternary Geology, Isotope Geology, and Mineralogy at Cluj and Baile Herculane, Romania in 2000, 2003, 2006, and 2007.

- Awards:** 1998      ***Certificate of Excellence*** (Filer, Idaho) for the best scientific paper dedicated to a show cave (coauthored by W.B. White and G. Veni);
- 2003      ***Diploma of Scientific Excellence*** (received from the President of the “Babes-Bolyai” University in Cluj, Romania);
- 2004      **Romanian Academy “Emil Racovita” Award** for the best scientific book;
- 2004      ***Best Scientific Book of the year*** (presented by the President of the “Babes-Bolyai” University in Cluj, Romania);
- 2010      ***Best Scientific ISI Paper of the year*** (presented by the CNCS, Romania).

**List of selected published papers**  
(\* *corresponding author; italic = student advised*)

**Books:**

1. Ponta, G., **Onac, B.P.** (Eds.) 2019: *Caves and karst systems of Romania*. Springer, International, Cham, 544 p.
2. Ginés, A., Ginés, J., Gómez-Pujol, L., **Onac, B.P.**, Fornós, J.J. (Eds.) 2012: *Mallorca: a Mediterranean benchmark for Quaternary studies*. Monografies de la Societat d'Història Natural de les Balears, 18, 220 p.
3. **Onac, B.P.**, Racoviță, G., Brad, T. (Eds.) 2010: *Atlasul pesterilor din Munții Apuseni. Munții Bihor - I. Bazinul Arieșului Mare*. University of South Florida Karst Studies Series, 2, 90 p.
4. **Onac, B.P.**, Sumrall, J., Mylroie, J. E., Kearns, J. 2008: *Cave minerals of San Salvador Island, Bahamas*. USF Library Press, 70 p.
5. **Onac, B.P.**, Perșoiu, A., Racoviță, G., Tămaș, T., Viehmann, I. 2007: *Scărișoara*. Studia, Cluj, 84 pp.
6. **Onac, B.P.** 2004: *Introduction in isotopic geochronology* Ed. Presa Universitară Clujeană, Cluj-Napoca, 176 p. (in Romanian).
7. Racoviță, G., Moldovan, O., **Onac, B.P.** (Eds.) *Karst monography of the Padurea Craiului Mountains*. Ed. Presa Universitară Clujeană, Cluj-Napoca, 264 p.
8. Racoviță, Gh., **Onac, B.P.** 2002: *Peștera Ghețarul de la Scărișoara. Studiu monografic* Ed. Presa Universitară Clujeană, Cluj-Napoca, 156 p.
9. **Onac, B.P.** 2001: *Principles of Crystallography* Ed. Presa Universitară Clujeană, Cluj-Napoca, 340 p. (in Romanian)
10. **Onac, B.P.** 2000: *Geology of Karst Terrains* Editura Didactică și Pedagogică, București, 400 p. (in Romanian with extended abstracts after each chapter)
11. **Onac, B.P.** 1998: *Formațiuni stalagmitice în peșterile Pădurii Craiului*. Editura Academiei Române, București, 176 pp.
12. Racoviță, G., **Onac, B.P.** 2000: *Scărișoara Glacier Cave. Monographic study*. Ed. Carpatica, Cluj-Napoca, 140 p.

**Proceedings edited:**

1. **Onac, B.P.**, Fornós, J.J. 2012: *Proceedings of the NSF Workshop on Sea level changes into MIS 5e: from observations to predictions*. *Studia UBB Geologia*, Special Issue, 65 p.
2. **Onac, B.P.**, Tămaș, T., Constantin, S., Perșoiu, A. (eds.) 2006: *Archives of Climate Change in Karst*. Karst Waters Institute Spec. Publ., 10, Charles Town WV, 246 pp.
3. **Onac, B.P.**, Tămaș, T. (Eds.) 2000: *Karst Studies and Problems: 2000 and Beyond*. Proceedings of the joint meeting of Friends of Karst, Theoretical and Applied Karstology and IGCP 448 (Cluj-Napoca, 14-16 iulie 2000). Ed. Presa Universitară Clujeană, Cluj-Napoca, 196 pp.
4. **Onac, B.P. (Ed.)** 2000: *Realizări și perspective în studiul Cuaternarului din România*. Ed. Presa Universitară Clujeană, Cluj-Napoca, 64 pp.

**Chapters in books**

1. **Onac, B.P.**, van Beynen, P. 2021: *Caves & Karst*. In: *Encyclopedia of Geology* (2<sup>nd</sup> ed.), Alderton, D. & Elias, S. (eds.), vol. 6, Academic Press, London, p. 495-509. <https://doi.org/10.1016/B978-0-12-409548-9.12437-6>.
2. **Onac, B.P.**, Veres, D.S., Stringer, C. 2021: *Hominin footprints in caves from Romanian Carpathians*. In: *Reading prehistoric human tracks* (Pastoors, A., Ed.). Springer, p. 201-210.
3. **Onac, B.P.** 2019: *Minerals in caves*. In: *Encyclopedia of Caves* (3<sup>rd</sup> ed., White, W.B., Culver, D.C., Pipan, T., Eds.), Academic Press, New York, 699-709.
4. Perșoiu, A., **Onac, B.P.** 2019: *Ice in Caves*. In: *Encyclopedia of Caves* (3<sup>rd</sup> ed., White, W.B., Culver, D.C., Pipan, T., Eds.), Academic Press, New York, 553-558.
5. Zak, K., **Onac, B.P.**, Kadebskaya, O.I., Filippi, M., Dublyansky, Y., Luetscher, M. 2018: *Cryogenic mineral formation in caves*. In: *Ice caves* (Perșoiu, A., Lauritzen, S.E., Eds.). Elsevier, Amsterdam, pp. 123-162; <https://doi.org/10.1016/B978-0-12-811739-2.00035-8>
6. **Onac, B.P.**, Dragusin, V. 2017: *Hypogene caves of Romania*. In: *Hypogene Karst Regions and Caves of the World* (Klimchouk et al., Eds.), Springer International Publishing, Berlin, p. 257-265.
7. Ginés, J., Fornós, J.J., Gràcia, F., Merino, A., **Onac, B.P.**, Ginés, A. 2017: *Hypogene imprints in coastal karst caves from Mallorca Island (Western Mediterranean): morphological features and*

- speleogenetic approach. In: *Hypogene Karst Regions and Caves of the World* (Klimchouk et al., Eds.), Springer International Publishing, Berlin, p. 99-112.
8. Mitrofan, H., Marin, C., Povara, I., **Onac, B.P.** 2016: Hercules and Diana hypogene caves (Herculane Spa, Romania): dissimilar chemical evolutions documented by their present-day thermal water discharge. In: *Proceedings of DeepKarst 2016: Origins, resources, and management of hypogene karst* (Chavez, T., Reeling P., Eds.), NCKRI Symposium 6, p. 145-150.
  9. van Hengstum, P., Richards, D., **Onac, B.P.**, Dorale, J.A. 2015: *Coastal Caves and Sinkholes* In: *Handbook for Sea-level Research* (Shennan, I., Long, A., Horton, B., eds.), John Wiley & Sons, Oxford, p. 83-103.
  10. **Onac, B.P.** 2012: *Minerals*. In: *Encyclopedia of Caves* (ed. 2), (Culver, D., White, W.B., Eds.), Academic Press, New York, 499-508.
  11. **Onac, B.P.**, Ginés, A., Ginés, J., Fornós, J.J., Dorale, J.A. 2012: Late Quaternary sea-level history: a speleothem perspective. In: *Mallorca: a Mediterranean benchmark for Quaternary studies* (Ginés et al., eds.), Monografies de la Societat d'Història Natural de les Balears, 18: 147-162.
  12. Ginés, J., Ginés, A., Fornós, J.J., Tuccimei, P., **Onac, B.P.**, Gràcia, F. 2012: Phreatic overgrowths on speleothems (POS) from Mallorca: updating forty years of research. In: *Mallorca: a Mediterranean benchmark for Quaternary studies* (Ginés et al., Eds.), Monografies de la Societat d'Història Natural de les Balears, 18: 111-146.
  13. Persoiu, A., **Onac, B.P.** 2012: *Ice in Caves*. In: *Encyclopedia of Caves* 2nd ed., (Culver, D., White, W.B., Eds.), Academic Press, New York, 399-404.
  14. **Onac, B.P.**, Vereş, D., Tămaş, T., C.S. Montana Baia-Mare, Todoran, V. 2010: The hydrogeology of Cuciulat-Purcuret-Boiu Mare karst area, northern part of the Somes Plateau, Romania. In *Karst Hydrogeology of Romania* (Oraseanu, I., Iurkiewicz, A., Eds.), Belvedere, Oradea, 329-341.
  15. Gabrian, I., Tămaş, T., Sahy, D., **Onac, B.P.** 2010: Ponor Plateau (south-eastern Plopiş Mountains). In *Karst Hydrogeology of Romania* (Oraseanu, I., Iurkiewicz, A., eds.), Belvedere, Oradea, 325-328.
  16. **Onac, B.P.** 2007: *Caves of Romania. A worthy treasure* (Selişcan, D., ed.). SING, 3-23.
  17. **Onac, B.P.** 2005: *Minerals*. In: *Encyclopedia of Caves* (Culver, D., White, W.B., Eds.), Academic Press, New York, p. 371-378.
  18. **Onac, B.P.**, Constantin, S. 2003: *Europe, Balkans and Carpathians*. In: *Encyclopedia of Caves and Karst Science* (Gunn, J., Ed.), Fitzroy Dearborn, New York, p. 328-331.
  19. Dorale, J. E., Edwards, R. L., **Onac, B.P.** 2002: Stable isotopes as environmental indicators in speleothems. In: *Karst Processes and the Carbon Cycle. Final Report of IGCP 379* (Yuan, D., Zhang, C., Eds.), Geological Publishing House, Beijing, 107-120.
  20. **Onac, B.P.** 1997: *Crystallography of speleothems*. In *Cave Minerals of the World* (ed. 2, Hill, C.A., Forti, P., Eds.) NSS, Huntsville, Alabama, 230-236.

**Articles in peer-review (ISI) journals (\*corresponding author; in italic student)**

1. Titus, T.N., Wynne, J.J. et al. (**Onac, B.P.**), 2021: A road map for planetary cave science and exploration. *Nature Astronomy*, **5**: 524-525.
2. Dumitru, O.A., Polyak, V.J., Asmerom, Y., **Onac, B.P.** 2021: Last interglacial (sensu lato, ~130 to 75 ka) sea level history from cave deposits: a global standardized database. *Earth System Science Data*, **13**: 2077-2094.
3. Dumitru, O.A., Austermann, J., Polyak, V.J., Fornós, J.J., Asmerom, Y., Ginés, J., Ginés, A., **Onac, B.P.\*** 2021: Sea-level stands from Western Mediterranean over the past 6.5 million years. *Scientific Reports*, **11**: 261; <https://doi.org/10.1038/s41598-020-80025-6>.
4. Lucia, G., Polyak, V.J., Ginés, J., Fornós, J.J., Ginés, A., Asmerom, Y., **Onac, B.P.\*** 2020: Chronology of middle Pleistocene coastal karst evolution and relative sea-level changes in Mallorca. *Journal of Coastal Research*, **37 (2)**: 408-420; DOI: 10.2112/JCOASTRES-D-20-00082.1
5. Smith, M.E., Wynn, J.G., Scharping, R.J., Moore, E.W., Garey, J.R., **Onac, B.P.\*** 2021: Source of saline groundwater on tidally influenced blue holes from San Salvador Island, Bahamas. *Hydrogeology Journal*, **29**: 429-441.
6. **Onac, B.P.**, Baumann, S.M., Parmenter, D.S., Weaver, E., Sava, T.B. 2020: Late Holocene droughts and cave ice harvesting by Ancestral Puebloans. *Scientific Reports*, **10**: 20131, <https://doi.org/10.1038/s41598-020-76988-1>
7. Cleary, D.M., **Onac, B.P.** 2020: Using isotopic ratios in cave guano to assess past environmental changes. *Geological Society, London, Special Publication*, **507**; <https://doi.org/10.1144/SP507-2020-13>

8. Polyak, V.J., Dillon, J.R., Asmerom, Y., **Onac, B.P.** 2020: Chronology of young basalt flows from lava tube gypsum U-series ages. *Quaternary Geochronology*, **59**: 101083; <https://doi.org/10.1016/j.quageo.2020.101083>.
9. Davis, M.C., Messina, M.A., Nicolosi, G., Petralia, S., Baker, M.D., Mayne, C.K.S., Dinon, C.M., Moss, C.J., **Onac, B.P.**, Garey, J.R. 2020: Surface runoff alters cave microbial community structure and function. *PLoS ONE* **15** (5): e0232742; <https://doi.org/10.1371/journal.pone.0232742>.
10. Dumitru, O.A., Austermann, J., Polyak, V.J., Fornós, J.J., Asmerom, Y., Ginés, J., Ginés, A., **Onac, B.P.\*** 2019: Constraints on global mean sea level during Pliocene warmth. *Nature*, **574**: 233-236; <http://dx.doi.org/10.1038/s41586-019-1543-2>
11. Smith, M.E., Dumitru, O.A., Burghel, B.D., Cucos (Dinu), A., **Onac, B.P.\*** 2019: Radon concentration in three Florida caves: Florida, Jennings, and Ocala. *Carbonates and Evaporites*, **34** (2): 433-439; doi: 10.1007/s13146-018-0473-7
12. Polyak, V.J., **Onac, B.P.**, Fornós, J.J., Asmerom, Y., Hay, C., Dorale, J.A., Ginés, J. Tuccimei, P., Ginés, A. 2018: A highly resolved record of relative sea-level in the western Mediterranean Sea during the Last Interglacial period. *Nature Geoscience*, **11**: 860-864; <https://doi.org/10.1038/s41561-018-0222-5> (cover article).
13. Staubwasser, M., Dragusin, V., **Onac, B.P.**, Assanov, S., Ersek, V., Hoffmann, D.L., Veres, D., 2018: Climate change impact on the transition of Neanderthals to modern humans in Europe. *PNAS*, **115** (37): 9116-9121; [www.pnas.org/cgi/doi/10.1073/pnas.1808647115](http://www.pnas.org/cgi/doi/10.1073/pnas.1808647115)
14. Ersek, V., **Onac, B.P.**, Persoiu, A. 2018: Kinetic processes and stable isotopes in cave dripwaters as indicators of winter severity. *Hydrological Processes*, **32**: 2856-2862; DOI: 10.1002/hyp.13231
15. Cleary, D.M., **Onac, B.P.\*** Tantau, I., Wynn, J.G., Forray, F.L., Ionita, M., Tamas, T. 2018: A guano-derived  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  record of climate since the Medieval Warm Period in NW. *Journal of Quaternary Science*, **33** (6): 677-688; doi: 10.1002/jqs.3044
16. Dumitru, O.A., **Onac, B.P.**, Polyak, V.J., Wynn, J.G., Asmerom, Y., Fornós, J.J. 2018: Climate variability in the western Mediterranean between 121 to 67 ka derived from a Mallorcan speleothem record. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **506**: 128-138.
17. van Hengstum, P.J., Maale, G., Donnelly, J.P., Albury, N.A., **Onac, B.P.**, Sullivan, R.M., Winkler, T.S., Tamalagave, A.E., MacDonald, D. 2018: Drought in the northern Bahamas from 3300 to 2500 years ago. *Quaternary Science Reviews*, **186**: 169-185.
18. Cleary, D.M., Wynn, J.G., Ionita, M., Forray, F.L., **Onac, B.P.\*** 2017: Evidence of long-term NAO influence on East-Central Europe winter precipitation from a guano-derived  $\delta^{15}\text{N}$  record. *Scientific Reports* **7**: 14095; doi:10.1038/s41598-017-14488-5
19. Teehera, K.B., Jungbluth, S.P., **Onac, B.P.**, Acosta-Maeda, T.E., Hellebrand, E., Misra, A.K., Pflitsch, A., Rappé, M.S., Smith, S.M., Telus, M., Schorghofer, N. 2017: Cryogenic minerals in Hawaiian lava tubes: A geochemical and microbiological exploration. *Geomicrobiology Journal*, **35**: 227-241.
20. Persoiu, A., **Onac, B.P.**, Wynn, J.G. Blaauw, M., Ionita, M., Hansson, M. 2017: Holocene winter climate variability in Central and Eastern Europe. *Scientific Reports*, **7**: 1196; doi:10.1038/s41598-017-01397-w
21. Boop, L.M., Wynn, J.G., Thompson, G., Fornós, J.J., **Onac, B.P.** 2017: Interactions between surface conditions, the Mediterranean Sea, and cave climate within two littoral caves in Mallorca: controls on the formations of the phreatic overgrowths on speleothems. *Journal of Cave and Karst Studies*, **79** (1): 59-72; doi:10.4311/2016ES0114
22. Dumitru, O.A., Forray, F.L., Fornós, J.J., Ersek, V., **Onac, B.P.\*** 2017: An assessment of stable isotopes variability in precipitation, cave drip, and groundwater from Mallorca Island, Western Mediterranean. *Hydrological Processes*, **31**: 104-116; doi: 10.1002/hyp.10978
23. Cucos (Dinu), A., Calugar, M.I., Burghel, B.D., Dumitru, O.A., Cosma, C., **Onac, B.P.\*** 2017: Radon levels in Romanian caves: An occupational survey. *Environmental Geochemistry and Health*, **39** (5): 1085-1099; doi: 10.1007/s10653-016-9878-1
24. Dumitru, O.A., **Onac, B.P.**, Cosma, C. 2016: Radon levels in caves from San Salvador, The Bahamas: A reconnaissance survey. *Carbonates & Evaporites*, **31**: 153-161; doi: 10.1007/s13146-015-0251-8
25. Cleary, D.M., **Onac, B.P.**, Forray, F.L., Wynn, J.G. 2016: Controls on  $\delta^{15}\text{N}$  values of cave bat guano: an assessment for reconstructing paleoclimate and environmental changes. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **461**: 87-97, <http://dx.doi.org/10.1016/j.palaeo.2016.08.012>.
26. Forti, P., **Onac, B.P.** 2016: Caves and mineral deposits. *Zeitschrift für Geomorphologie (Suppl. X)*, **60**: 55-101; doi: 10.1127/zfg\_suppl/2016/S-60X04
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