

CURRICULUM VITAE

Informații personale:

Nume: **ONAC, Petroniu Bogdan**
Locul de muncă: School of Geosciences, University of South Florida, Tampa, USA
4202 E. Fowler Ave., NES 107, Tampa, FL 33620

Alte afilieri: Institutul Emil G. Racovita, Universitatea Babes-Bolyai (Adjunct Research Professor)

E-mail: bonac@usf.edu; bogdan.onac@ubbcluj.ro

Pregătire profesională:

1969-1977: Scoala Generală, Satu-Mare
1977-1981: Liceu Nr. 2, Profil Chimie, Satu-Mare
1982-1987: Facultatea de Geologie, Universitatea Babes-Bolyai, Cluj-Napoca

Titluri academice: Licența - Universitatea Babes-Bolyai, Cluj-Napoca (1987)
Doctorat - Universitatea Babes-Bolyai, Cluj-Napoca (1996)
Titlul tezei de doctorat: *Speleoteme din pesterile Munților Padurea Craiului: studiu mineralogic, cristalografic și paleoclimatic*

Poziții academice: Oct. 2005- prezent: **Profesor** - School of Geosciences, Univ. South Florida, USA
2020 – prezent: **Adjunct Research Profesor** - UBB Cluj
<https://www.cvs.com/content/delivery> 2001 – 2005: **Profesor** - Departamentul de Geologie, UBB Cluj
1999 – 2001: **Conferențiar** - Departamentul de Geologie, UBB Cluj
1996 – 1999: **Șef lucrări** - Departamentul de Geologie, UBB Cluj
2005 – 2011: **Associate Researcher**, *Institutul de Speleologie, Cluj*
1991 – 2005: **Senior Researcher**, *Institutul de Speleologie, Cluj*

Cursuri predate: Cristalografie, Geologia carstului, Geochimie, Geologie izotopică, Petrologie sedimentară, Geologia solurilor,

Domenii de interes: Reconstituiri paleoclimatice și de schimbări ale nivelului mării pe baza depozitelor din peșteri;
Mineralogie și Geochemie;
Morfologie carstice și speogeneza

Experiență profesională:

1987-1991 *Geolog*, Exploatarea Minieră Suncuius.

1991–2011	<i>Cercetător Științific</i> , Academia Romana, Institutul de Speologie, Cluj
1996–10/2005	Departamentul de Geologie, UBB Cluj
1993-94 (4 months)	<i>Junior Research Fellow</i> , Dept. of Quaternary Geology, Bergen University, Norway
1995 (9 months)	<i>Ph.D. student</i> , Dept. of Quaternary Geology, Bergen University, Norway
1996-97 (4 months)	<i>Visiting Fellow</i> , Dept. of Quaternary Geology, Bergen University, Norway
1998-99 (6 months)	<i>Fulbright Fellow (Postdoctoral)</i> , Pennsylvania State University, USA.
1999 (9 months)	<i>Postdoctoral Fellow</i> , Dept. of Quaternary Geology, Lund University, Sweden
2000 (1 month)	<i>Visiting Fellow</i> , Dept. of Geology, University of Copenhagen, Denmark
2002 (5 months)	<i>Visiting Professor</i> , Dept. of Geology, University of Bergen, Norway
2004, 2016, 2021	<i>Visiting Professor</i> , Dept. of Earth Sciences, Balearic Islands University, Palma de Mallorca, Spain (2 luni in fiecare an)

Publicatii: vezi lista atașata la CV

Membru: Sunt membru al American Geophysical Union, Geological Society of America, European Geosciences Union, American Mineralogical Society, Societatea Geologica Romana, *Comisia de Mineralogie* din cadrul Uniunii Internationale de Speologie, National Speleological Society si Societatea Europeana pentru Cercetări Izotopice.

Evaluez periodic propuneri de grant pentru UEFISCDI, si organizatii similare din Italia (MIUR), Austria, Marea Britanie, Croatia, Cehia, Ungaria, USA (National Science Foundations; NSF), European Science Foundation si National Geographic.

Granturi (în derulare și finalizate): PI = Director proiect

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**

Am finalizat următoarele proiecte de cercetare:

(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);**

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(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, geochemic, 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);*

Limbi cunoscute: Engleză, Franceză (vorbesc, scriu, citesc fluent).

Congresses: Am prezentat 157 lucrări (oral sau poster) la diferite manifestări științifice în Brazilia, Mexic, China, Africa de Sud, USA, Anglia, Portugalia, Italia, Elveția, Norvegia, Suedia, Polonia, Slovenia, Belgia, Spania și Austria.

Field work: Am participat la diferite excursii și activități de teren pre- și post-congres în:

Roraima, Venezuela (carst în gresii)

Oceanul Arctic (August-Octombrie 2012)

Suedia (Abisko și împrejurimi, Kullaberg, Skane)

Norvegia (Andoya, Glomdal, Spitsbergen, Tromsø, etc.)

USA (Arizona, New Mexico, Idaho, Kentucky, Texas, Pennsylvania, Colorado, West Virginia, Florida, Alabama, Utah)

San Salvador (Bahamas)

Cuba (Bellamar, Vinales)

Africa de Sud (Transvaal, Karroo, Sterkfontain, Cape Bunei Speranțe)

China (Yunan, Guilin, Guangzhou)

Elveția (Innerbergli, Beatenberg, Interlaken, Swiss Jura)

Mallorca & Tenerife (Spain)

Slovenia

Italia (Frasassi and Monte Cucco caves)
si diferite regiuni din Polonia, Austria, Franta, Belgia, Islanda, Peru,
Brazil, Mexic, Groenlanda.

Alte activități:

Editor Șef: ***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)***

Membru in Comitetul Editorial al revistelor *Carbonates and Evaporites*
și *Acta Carsologica (ISI-ranked)*

Referent pentru: *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.*

Presedinte si vice-president al ***European Society of Isotope Research***

Președinte al Comisiei *Cave Minerals din UIS (din 2006)*

Guest Professor la Department of Quaternary Geology, Lund University
(1999 and 2002) – curs doctoral *Paleoclimate from cave deposits*.

- Membru in Comitetul de Organizare al primei Conference de *Climate Change: the Karst Record* (Bergen, Norvegia, 1996).

- Am organizat 5 manifestări internaționale de Carst, Geologia Cuaternarului, Geologie izotopică și Mineralogie la Cluj și Baile Herculane, Romania in 2000, 2003, 2006 și 2007.

Premii: 1998

Certificat de Excelență (Filer, Idaho) pentru cea mai bună lucrare dedicată peșterilor protejate (coautori W.B. White și G. Veni);

2003

Diploma pentru Cercetare de Excelență (Rectorul Universității “Babes-Bolyai” Cluj-Napoca);

2004

“Emil Racoviță” al Academiei Române pentru cea mai bune carte științifică;

2004

Cartea științifică a anului (Rectorul Universității “Babes-Bolyai” Cluj-Napoca);

2010

Lucrarea științifică a anului (din parte CNCS, Romania).

Lista Publicațiilor

(* *autor corespondent italic = student indrumat*)

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 peșterilor 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* (2nd 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* (3rd 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* (3rd 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 Pueblons. *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., Burghele, 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
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., Furray, 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., Furray, 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., Furray, 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., Burgehele, 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
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