

## List of published papers

(underlined: student advised; \* corresponding author)

### Books:

1. Ponta, G.M.L, **Onac, B.P.** (Eds.) 2019: *Cave 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 Muntii Apuseni. Muntii Bihor - 1. Bazinul Ariesului Mare*. University of South Florida Karst Studies Series, 2, 90 p.
4. **Onac, B.P.**, Sumrall, J., Myroie, J. E., Kearns, J. 2008: *Cave minerals of San Salvador Island, Bahamas*. University of South Florida Karst Studies Series, 1, 70 p.
5. **Onac, B.P.**, Persoiu, A., Racovita, G., Tamas, T., Viehmann, I. 2007: *Scarisoara*. Studia, Cluj, 84 p.
6. **Onac, B.P.** 2004: *Introduction in isotopic geochronology* Ed. Presa Universitara Clujeana, Cluj-Napoca, 176 p. (in Romanian).
7. Racovita, G., Moldovan, O., **Onac, B.P.** (Eds.) *Karst monography of the Padurea Craiului Mountains*. Ed. Presa Universitara Clujeana, Cluj-Napoca, 264 p.
8. Racovita, G., **Onac, B.P.** 2002: *Pestera Ghetarul de la Scarisoara. Studiu monografic* Ed. Presa Universitara Clujeana, Cluj-Napoca, 156 p.
9. **Onac, B.P.** 2001: *Principles of Crystallography* Ed. Presa Universitara Clujeana, Cluj-Napoca, 340 p. (in Romanian)
10. **Onac, B.P.** 2000: *Geology of karst terrains* Editura Didactica si Pedagogica, Bucuresti, 400 p. (in Romanian with extended English chapter summaries)
11. Racovita, G., **Onac, B.P.** 2000: *Scarisoara Glacier Cave. Monographic study*. Ed. Carpatica, Cluj-Napoca, 140 p.
12. **Onac, B.P.** 1998: *Speleothems from caves in Padurea Craiului Mountains*. Ed. Academiei Române, Bucuresti, 176 p. (in Romanian with English abstract)

### 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.**, Tamas, T., Constantin, S., Persoiu, A. (Eds.) 2006: *Archives of Climate Change in Karst*. Karst Waters Institute Spec. Publ., 10, Charles Town, WV, 246 p.
3. **Onac, B.P.**, Tamas, 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, 14-16 iulie 2000). Ed. Presa Universitara Clujeana, Cluj, 196 p.
4. **Onac, B.P.** (Ed.) 2000: *Achievements and perspectives in studies concerning the Quaternary of Romania*. Ed. Presa Universitara Clujeana, Cluj, 64 p.

### 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: *Hominim footprints in caves from Romanian Carpathians*. In: Reading Prehistoric human tracks (Pastoors, A., Ed.). Springer, Cham, p. 201-210. [https://doi.org/10.1007/978-3-030-60406-6\\_12](https://doi.org/10.1007/978-3-030-60406-6_12)
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. **Persoiu, 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* (Persoiu, 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* (2<sup>nd</sup> ed., Culver, D.C. & 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. **Persoiu, A., Onac, B.P.** 2012: *Ice in Caves*. In: *Encyclopedia of Caves* (2<sup>nd</sup> ed., Culver, D.C. & White, W.B., Eds.), Academic Press, New York, 399-404.
13. 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.
14. **Onac, B.P., Veres, D.,** Tamas, T., C.S. Montana Baia-Mare, Todoran, V. 2010: The hydrogeology of Cuciulat-Purcaret-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., Tamas, T., Sahy, D., **Onac, B.P.** 2010: Ponor Plateau (south-eastern Plopiș 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* (Seliscan, D., Ed.). SING, 3-23.
17. **Onac, B.P.** 2005: *Minerals*. In: *Encyclopedia of Caves* (Culver, D.C. & 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**

1. **Onac, B.P.**, Cleary, D.M., Dumitru, O.A., Polyak, V.J., Povara, I., Wynn, J.G., Asmerom, Y. 2023: Bladed stalactites: a new cryogenic speleothem subtype. *International Journal of Speleology*, **52**(1): 1-8.
2. Cleary, M.D., Stepchinski, L., Bertetti, F.P., Nunu, R., Green, R.T., **Onac, B.P.\***. 2022: Guano stable isotopic evidence of Anthropocene climate change influence on aridity and vegetation dynamics. *Ecological Indicators*, **145**: 109710.
3. Wynne, J.J., Titus, T.N., Agha-Mohammadi, A-a., Azua Bustos, A., Boston, P.J. et al. (**Onac, B.P.**) 2022: Fundamental science and engineering questions in planetary cave exploration. *Journal of Geophysical Research, Planets*, **127**: e2022JE007194.
4. **Onac, B.P.**, Mitrovica, J.X., Gines, J., Asmerom, Y., Polyak, V.J., Tuccimei, P., Fornos, J.J., Hoggard, M.J., Coulson, S., Ginés, A., Soligo, M., Villa, I.M. 2022: Exceptionally stable pre-industrial sea level inferred from the western Mediterranean Sea. *Science Advances*, **8**: eabm6185 ([cover article](#)).
5. Polyak, V.J., Provencio, P., Asmerom, Y., Davis, D.G., **Onac, B.P.**, Palmer, A.N., Palmer, M.V. 2022: Timing of sulfuric acid speleogenesis (SAS) as an indicator of canyon incision rates of the Shoshone and Bighorn rivers, Wyoming, USA. *Geomorphology, Geomorphology*, **410**: 108281.
6. 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.
7. 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>.
8. Lucia, G., Polyak, V.J., Ginés, J., Fornós, J.J., Ginés, A., Asmerom, Y., **Onac, B.P.\*** 2021: Chronology of middle Pleistocene coastal karst evolution and relative sea-level changes in Mallorca. *Journal of Coastal Research*, **37** (2): 408-420.
9. 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, <https://doi.org/10.1007/s10040-020-02266-z>
10. **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>
11. 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>

12. 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>.
13. 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>
14. 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>
15. Smith, M.E., Dumitru, O.A., Burghelle, 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
16. 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](#)).
17. 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)
18. 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
19. 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 Romania. *Journal of Quaternary Science*, **33 (6)**: 677-688; doi: 10.1002/jqs.3044
20. 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.
21. 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.
22. 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
23. 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; <http://dx.doi.org/10.1080/01490451.2017.1362079>
24. 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
25. 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
26. 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
  27. Cucos (Dinu), A., Calugar, M.I., Burghelle, 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
  28. 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>
  29. 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
  30. 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
  31. Dumitru, O.A., **Onac, B.P.**, Fornós, J.J., Cosma, C., Ginés, A., Ginés, J., Merino, A. 2015: Radon survey in caves from Mallorca Island, Spain. *Science of Total Environment*, **526**: 196-203; <http://dx.doi.org/10.1016/j.scitotenv.2015.04.076>
  32. Forray, F.L., **Onac, B.P.**, Tantau, B., Wynn, J.G., Tamas, T., Coroiu, I., Giurgiu, A. 2015: A Late Holocene environmental history of a bat guano deposit from Romania: an isotopic and pollen study. *Quaternary Science Reviews*, **127**: 141-154; <http://dx.doi.org/10.1016/j.quascirev.2015.05.022>
  33. **Onac, B.P.**, Hutchison, S.M., Geanta, A., Forray, F.L., Wynn, J.G., Giurgiu, A.C., Coroiu, I. 2015: A 2500-year Late Holocene multi-proxy record of vegetation and hydrologic changes from a cave guano-clay sequence in SW Romania. *Quaternary Research*, **83**: 437-448; <http://dx.doi.org/10.1016/j.ypres.2015.01.007>
  34. Lascu, I., Wohlfarth, B., **Onac, B.P.**, Björck, S. 2015: A Late Glacial palaeolake record from an up-dammed river valley in northern Transylvania, Romania. *Quaternary International*, **388**: 87-96; doi: <http://dx.doi.org/10.1016/j.quaint.2014.11.041>
  35. Dumitru, O.-A., **Onac, B.P.**, Fornós, J.J., Cosma, C. 2015: Radon concentration and effective dose assessment in Coves de Campanet (Mallorca Island, Spain). *Journal of Radioanalytical and Nuclear Chemistry*, **303**: 885-890; doi: 10.1007/s10967-014-3511-5
  36. Feurdean, A., Persoiu, A., Tantau, I., Stevens, T.S., Magyari, E.K., **Onac, B.P.**, Marković, S., Andrič, M., and workshop participants and data contributors, 2014: Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8 ka. *Quaternary Science Reviews*, **106**: 206-224; doi 10.1016/j.quascirev.2014.06.003
  37. Dragusin, V., Staubwasser, M., Hoffmann, D.L., Ersek, V., **Onac, B.P.**, Veres, D. 2014: Constraining Holocene hydrological changes in the Carpathian-Balkan region using speleothem  $\delta^{18}\text{O}$  and pollen-based temperature reconstructions. *Climate of the Past*, **10**: 1363-1380; doi: 10.5194/cpd-10-381-2014
  38. **Onac, B.P.**, Fornós, J.J., Merino, A., Ginés, J., Diehl, J. 2014: Linking mineral deposits to speleogenetic processes in Cova des Pas de Vallgornera (Mallorca, Spain). *International Journal of Speleology* **43** (2): 143-157.

39. Boop, L.M., **Onac, B.P.**, Wynn, J.G., Fornós, J.J., Rodríguez-Homar, M., Merino, A. 2014: Groundwater geochemistry observations in littoral caves of Mallorca (western Mediterranean): implications for deposition of phreatic overgrowths on speleothems. *International Journal of Speleology* **43** (2): 193-203.
40. Sauro, F., De Waele, J., **Onac, B.P.**, Galli, E., Dublyansky, Y., Baldoni, E., Sanna, L. 2014: Hypogenic speleogenesis in quartzite: the case of Corona 'e Sa Craba Cave (SW Sardinia, Italy). *Geomorphology* **211**: 77-88; doi: 10.1016/j.geomorph.2013.12.031
41. Puscas, C.M., Kristaly, F., Stremtan, C.C., **Onac, B.P.** & Effenberger, H.S. 2014: Stability of cave phosphates: case study from Liliacilor Cave (Trascau Mountains, Romania). *Journal of Mineralogy and Geochemistry* **191** (2): 157-168; doi: 10.1127/0077-7757/2014/0254
42. **Onac, B.P.**, Forray, F.L., Wynn, J.G., Giurgiu, A.M. 2014: Guano-derived  $\delta^{13}\text{C}$ -based paleo-hydroclimate record from Gaura cu Musca Cave, SW Romania. *Environmental Earth Sciences* **71** (9): 4061-4071; doi: 10.1007/s12665-013-2789-x
43. Hillebrand-Voiculescu, A., Itcus, C., Ardelean, I., Pascu, D., Persoiu, A., Rusu, A., Brad, T., Popa, E., **Onac, B.P.**, Purcarea, C. 2014: Searching for cold-adapted microorganisms in the underground glacier of Scarisoara Ice Cave, Romania. *Acta Carsologica* **43** (2-3): 319-329.
44. **Onac, B.P.**, Effenberger, H.S., Wynn, J.G., Povara, I. 2013: Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania. *American Mineralogist* **98**: 1302-1309; <http://dx.doi.org/10.2138/am.2013.4452>
45. Puscas, C.M., **Onac, B.P.\***, Effenberger, H.S., Povara, I. 2013: Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania. *European Journal of Mineralogy*, **25**: 479-486; doi: 10.1127/0935-1221/2013/0025-2294.
46. Gómez-Puyol, L., Gelaber, B., Fornós, J.J., Prado-Pascual, J.E., Rosselló, V.M., Segura, F.S., **Onac, B.P.** 2013: Structural control on the presence and character of calas: Observations from Balearic Islands limestone rock coast macroforms. *Geomorphology* **194**: 1-15; doi: <http://dx.doi.org/10.1016/j.geomorph.2013.03.012>
47. Ponta, G., Povara, I., Isverceanu, E.G., **Onac, B.P.**, Marin, C., Tudorache, A. 2013: Geology and dynamics of underground waters in Cerna Valley/Baile Herculane (Romania). *Carbonates and Evaporites*, **28**: 31-39.
48. Zak, K., Orvosova, M., Filippi, M., Vlcek, L., **Onac, B.P.**, Persoiu, A., Rohovec, J., Svetlik, I. 2013: Cryogenic cave pearls in the periglacial zone of ice caves. *Journal of Sedimentary Research*, **83**: 207-220; doi: <http://dx.doi.org/10.2110.jar.2013.16>
49. Veres, D., Lane, C.S., Timar-Gabor, A., Hambach, U., Constantin, D., Szakács, A., Fülling, A., **Onac, B.P.** 2013: The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania. *Quaternary International*, **293**: 22-33; <http://dx.doi.org/10.1016/j.quaint.2012.02.042>
50. Tuccimei, P., **Onac, B.P.**, Dorale, J.A., Ginés, J., Fornós, J.J., Ginés, A., Spada, G., Ruggieri, G., Mucedda, M. 2012: Decoding last interglacial sea-level variations in the Western Mediterranean using speleothem encrustations from coastal caves in Mallorca and Sardinia: A field data - model comparison. *Quaternary International*, **262**: 56-64.
51. Rimbu, N., **Onac, B.P.**, Racovita, G. 2012: Large-scale climate anomaly patterns associated to temperature variability inside Scarisoara Ice Cave. *International Journal of Climatology* **32**: 1495-1502; doi: 10.1002/joc.2369.



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