



## ACADEMIA ROMÂNĂ

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Lucrări științifice publicate în reviste de specialitate  
cotate ISI, în intervalul 2005-2014

NR.	ANUL	LUCRAREA
1	2014	Anechitei-Deacu V., Timar-Gabor A., Fitzsimmons K.E., <b>Veres D.</b> , Hambach U., 2014. – Multi-method luminescence investigations on quartz grains of different sizes extracted from a loess section in southeast Romania interbedding the Campanian Ignimbrite ash layer. <i>Geochronometria</i> <b>41(1)</b> : 1–14 (I.F. = <b>1.653</b> )
2	2014	<b>Băncilă, R.I.</b> , Cogălniceanu, D, <b>Păliuțiu, R.</b> , Tudor, M., Cazacu, C., Hartel, T., 2014 – Comparative performance of incidence based species richness estimators in herpetofauna inventory. <i>Ecological Indicators</i> <b>45</b> : 219 – 226 (I.F. = <b>3.23</b> )
3	2014	<b>Borda, D.</b> , <b>Năstase-Bucur, R.M.</b> , Spînu, M., Uricariu, R. and Mulec, J., 2014 – Aerosolized microbes from organic rich materials: case study of bat guano from caves in Romania. <i>Journal of Cave and Karst Studies</i> , <b>76 (2)</b> : 114–126 (I.F. = <b>0.696</b> ).
4	2014	Boop, L. M., <b>Onac, B. P.</b> , Wynn, J. G. et al., 2014 – Groundwater geochemistry observations in littoral caves of Mallorca (western Mediterranean): implications for deposition of phreatic overgrowths on speleothems. <i>International Journal of Speleology</i> , <b>43(2)</b> : 193-203(I.F. = <b>1.275</b> )
5	2014	<b>Brad, T.</b> , Fekete, A., Sandor, M. and Purcarea, C., 2014 – Natural attenuation potential of selected hydrokarst systems in Carpathian Mountains (Romania). <i>Water Science and Technology: Water Supply</i> , DOI: 10.2166/ws.2014.092 (I.F.= <b>0.505</b> )
6	2014	Buică, G., <b>Băncilă, R.I.</b> , Tudor, M., <b>Păliuțiu, R.</b> et al., 2014 – The injuries on tortoise shells' as a depository of past human impact. <i>Italian Journal of Zoology</i> , <b>21</b> : 287 - 297 (I.F. = <b>0.865</b> )
7	2014	Constantin, M., Fujisawa, K., Ishida, K., Higuchi, K., <b>Vlaicu, M.</b> , Jurchescu, M.-J., 2014- Digital, automated and optical fiber systems used in displacement measurements of landslides in Romania. <i>Environmental Engineering and Management Journal</i> , <b>12</b> : 2427-2434. (I.F.= <b>1,258</b> ).
8	2014	<b>Constantin, S.</b> , <b>Robu, M.</b> , <b>Munteanu, C.-M.</b> , <b>Petculescu, A.</b> , <b>Vlaicu, M.</b> , <b>Mirea, I.</b> , <b>Kenezs, M.</b> , <b>Dragusin, V.</b> , Hoffman, D., Anechitei, V., Timar-Gabor, A., Roban, R., Panaiotu, C.-G., 2014– Reconstructing the evolution of cave systems as a key to understanding the taphonomy of fossil accumulations: The case of Urililor Cave (Western Carpathians, Romania). <i>Quaternary International</i> , <b>339 – 340</b> : 25 – 40 (I.F.= <b>2,128</b> ).



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NR.	ANUL	LUCRAREA
9	2014	<b>Constantin, S.</b> , 2014 – Fossil remains in karst and their role in reconstructing Quaternary paleoclimates and paleoenvironments. <i>Quaternary International</i> , <b>339</b> :1-3. (I.F.= 2,128)
10	2014	<b>Dragusin, V.</b> , Staubwasser, M., Hoffmann, DL., Ersek, V., <b>Onac, BP.</b> , <b>Veres, D.</b> , 2014– Constraining Holocene hydrological changes in the Carpathian–Balkan region using speleothem $\delta^{18}O$ and pollen-based temperature reconstructions. <i>Climate of the Past</i> <b>10</b> : 1363–1380. (I.F.=3.482)
11	2014	Epure, L., <b>Meleg, I.N.</b> , <b>Munteanu, C.M.</b> , Roban, R.D., <b>Moldovan O.T.</b> , 2014 – Bacterial and Fungal Diversity of Quaternary Cave Sediment Deposits. <i>Geomicrobiology Journal</i> , <b>31</b> : 116-127. (I.F. = 1.804)
12	2014	Feurdean, A, Per oiu, A., Stevens, T., Tan u, I., Magyari, E., <b>Onac, BP.</b> , Markovi , S., Andri , M., Connor, S., F rca , S., Gałka, M., Gaudeny, T., Hoek, P., Kolaczek, P., Kunes, P., Lamentowicz, M., Marinova, E., Michczy ska, D., Per oiu, I., Stancikaite, M., Sumegi, P., Svensson, A., <b>T ma , T.</b> , Timar, A., Tonkov, S., Toth, M., Veski, S., Willis, K., Zernitskaya, V., 2014 – Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8 ka. <i>Quaternary Science Reviews</i> , DOI: 10.1016/j.quascirev.2014.06.003 (I.F.=4,571).
13	2014	Ganzert L., Schirmack J., Alawi M., Mangelsdorf K., Sand W., <b>Hillebrand-Voiculescu A.</b> , Wagner D., 2014 – Methanosarcina spelaei sp. nov., a methanogenic archaeon isolated from a floating biofilm of a subsurface sulphurous lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>64</b> : 3478–3484 (I.F. = 2.798)
14	2014	Hahn A, Kliem P, Oehlerich M, Ohlendorf C, Zolitschka B, <b>Vere , D.</b> , the PASADO Science Team, 2014 – Elemental composition of the Laguna Potrok Aike sediment sequence reveals paleoclimatic changes over the past 51 ka in southern Patagonia, Argentina. <i>Journal of Paleolimnology</i> , <b>52</b> : 349-366 (I.F. = 2.139).
15	2014	Kumaresan D., Wischer D., Stephenson J., <b>Hillebrand-Voiculescu A.</b> , Murrell J.C., 2014 – Microbiology of Movile Cave—A Chemolithoautotrophic Ecosystem. <i>Geomicrobiology Journal</i> , <b>31(3)</b> : 186-193 (I.F.= 1.804).
16	2014	Matache, M. L., <b>Marin, C.</b> , Rozyłowicz, L., and <b>Tudorache, A.</b> , 2014 – Plants accumulating heavy metals in the Danube River wetlands. <i>Journal of Environmental Health Science &amp; Engineering</i> ; <b>11</b> :39; doi: 10.1186/2052-336X-11-39 (I.F.=1,01).



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17	2014	<b>Meleg, I.N.</b> , Naparus, M., Fiers, F., Meleg, I.H., <b>Vlaicu, M.</b> , <b>Moldovan, O.T.</b> , 2014. – The relationships between land cover, climate and cave copepod spatial distribution and suitability along the Carpathians. <i>Environmental Conservation</i> , <b>41</b> : 206-216 (I.F. = 2.320).
18	2014	Mitrofan, H., <b>Marin, C.</b> , <b>Tudorache, A.</b> , and Vi an, M., 2014 – Diagnosing Non-Meteorically Induced Variations in the Chemistry of Saline Springs of the Vrancea Seismic Area (Romania). <i>Pure and Applied Geophysics</i> ; <b>171</b> (9):2315 – 2338 (I.F. = 1,854)
19	2014	Mitrofan, H. <b>Marin, C.</b> <b>Povara, I.</b> , 2014 – Possible conduit-matrix water exchange signatures outlined at a karst spring. <i>Groundwater</i> , <b>57</b> doi: 10.1111/gwat.12292. (I.F.=1.953)
20	2014	<b>Nitzu, E.</b> , <b>Nae, A.</b> , <b>Bancila, R.I.</b> , <b>Popa, I.</b> , <b>Giurginca, A.</b> & <b>Plaiasu, R.</b> , 2014 – Scree habitats: ecological function, species conservation and spatial-temporal variation in the arthropod community. <i>Systematics and Biodiversity</i> , <b>12</b> (1): 65 – 75 (I.F. = 2.153)
21	2014	<b>Onac, B. P.</b> , Fornos, J. J., Merino, A. et al., 2014 – Linking mineral deposits to speleogenetic processes in Cova des Pas de Vallgornera (Mallorca, Spain). <i>International Journal of Speleology</i> , <b>43</b> (2): 143-157 (I.F.= 1.275).
22	2014	<b>Onac, B. P.</b> , Forray, F. L.; Wynn, J. G. et al., 2014 – Guano-derived delta C-13-based paleohydroclimate record from Gaura cu Musca Cave, SW Romania. <i>Environmental Earth Sciences</i> , <b>71</b> (9): 4061-4069 (I.F. = 1.572)
23	2014	Puscas, C.M., Kristaly, F., Stremtan, C.C., <b>Onac, B.P.</b> & Effenberger, H.S. - Stability of cave phosphates: case study from Liliacilor Cave (Trascau Mountains, Romania). <i>J. Min. Geochem.</i> <b>191</b> (2): 157-168 (I.F.=0.755).
24	2014	Riechelmann, S., Schroder-Ritzrau, A., Wassenburg, J.A., Schreuer, J., Richter, D.K., Riechelmann, D.F.C., <b>Terente, M.</b> , <b>Constantin, S.</b> , Mangini, A., Immenhauser, A., 2014 – Physicochemical characteristics of drip waters: Influence on mineralogy and crystal morphology of recent cave carbonate precipitates, <i>Geochimica et Cosmochimica Acta</i> <b>145</b> :13–29 (I.F.=4.798)
25	2014	Sauro, F., De Waele, J., <b>Onac, B. P.</b> et al., 2014 – Hypogenic speleogenesis in quartzite: The case of Corona 'e Sa Craba Cave (SW Sardinia, Italy). <i>Geomorphology</i> , <b>211</b> :77-88 (I.F.=2.577).



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26	2014	Schirmack J., Mangelsdorf K., Ganzert L., Sand W., <b>Hillebrand-Voiculescu A.</b> , Wagner D., 2014 – Methanobacterium movilense sp. nov., a hydrogenotrophic, secondary-alcohol-utilizing 6 methanogen from the anoxic sediment of a subsurface lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>64</b> : 522–527 ( <b>I.F. = 2.798</b> ).
27	2014	Webb, D., <b>Robu, M., Moldovan, O.T., Constantin, S.</b> , Tomus, B., Neag, I., 2014 – Ancient human footprints in Ciur-Izbuc Cave, Romania. <i>American Journal of Physical Anthropology</i> , <b>155</b> : 128-135 ( <b>I.F. = 2.514</b> )
28	2014	Wischer D., Kumaresan D., Johnston A., El Khawand M., Stephenson J., <b>Hillebrand- Voiculescu A.M.</b> et al., 2014– Bacterial metabolism of methylated amines and identification of novel methylotrophs in Movile Cave, <i>ISME J.</i> , doi:10.1038/ismej.2014.102 ( <b>I.F.=9.267</b> )
29	2013	Balázs V, Kovács V, <b>B ncil RI</b> , Hartel H, Anthony B, 2013 – A landscape-level study on the breeding site characteristics of ten amphibian species in Central Europe, <i>Amphibia-Reptilia</i> , <b>34</b> :63-73 ( <b>F.I. = 0.680</b> )
30	2013	Bazin L., Landais A., Lemieux-Dudon B., Toyé Mahamadou Kele H., <b>Veres D.</b> , Parrenin F., Martinerie P., Ritz, C., Capron E., Lipenkov V., Loutre M-F., Raynaud D., Vinther B., Svensson A., Rasmussen S.O., Severi M., Blunier T., Leuenberger M., Fischer H., Masson- Delmotte V., Chappellaz J., Wolff E., 2013 – An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120–800 ka. <i>Climate of the Past</i> <b>9</b> : 1715-1731. ( <b>F.I. = 3.556</b> ).
31	2013	<b>Brad</b> , T., C. Obergfell, B. M. van Breukelen, N. M. van Straalen, and W. F. M. Röling, 2013– Spatiotemporal variations in microbial communities in a landfill leachate plume, <i>Groundwater Monitoring and Remediation</i> , doi: 10.1111 / gwmr. 12022 ( <b>F.I.=1.053</b> )
32	2013	Braun M., Hubay K., Magyari E., <b>Veres D.</b> , Papp I., Balint M., 2013 – Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains. <i>Quaternary International</i> <b>293</b> :114-122. ( <b>F.I.=1.962</b> ).
33	2013	Cog Iniceanu D, Székely P, Székely D, Ro ioru D, <b>B ncil RI</b> , Miaud C, 2013 – When males are larger than females in ectotherms: Reproductive Investment in the Eastern Spadefoot Toad. <i>Pelobates syriacus</i> , <i>Copeia</i> <b>4</b> :699-706 ( <b>F.I. = 0.644</b> ).



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34	2013	Cog Iniceanu, D., Szekely, P., Samoil , C., Iosif, R., Tudor, M., <b>Plia u, R.</b> , St nescu, F., Rozyłowicz, L., 2013 – Diversity and distribution of amphibians in Romania. <i>ZooKeys</i> , <b>296</b> : 35–57 (F.I. = <b>0.864</b> ).
35	2013	Conovici M., <b>Povar , I.</b> Or eanu, I. & <b>Marin C.</b> , 2013 – Geological and hydrogeological features of Cerna Valley (Ar asca-luta area, SW Romania). <i>Carpathian Journal of Earth and Environmental Sciences</i> , <b>8(3)</b> : 219 – 230. (F.I. = <b>1.495</b> )
36	2013	<b>Constantin, S., Robu, M., Munteanu, C.M., Petculescu, A., Vlaicu, M., Mirea, I.C.,</b> Kenesz, M., <b>Dr gu in, V.</b> , Hoffman, D., Anechței, V., Timar-Gabor, A., Roban, R.D. & Panaiotu, C.G., 2013 – Reconstructing the evolution of cave systems as a key to understanding the taphonomy of fossil accumulations. The case of Ur ilor Cave (Western Carpathians, Romania). <i>Quaternary International</i> (F.I.= <b>1,962</b> ) <a href="http://dx.doi.org/10.1016/j.quaint.2013.10.012">http://dx.doi.org/10.1016/j.quaint.2013.10.012</a> .
37	2013	<b>Epure, L., Meleg, I.N., Munteanu, C.M.,</b> Roban, R.D. & <b>Moldovan, O.T.</b> , 2013 – Bacterial and fungal diversity of Quaternary cave sediment deposits. <i>Geomicrobiology Journal</i> , DOI:10.1080/01490451.2013.815292, (F.I.= <b>1,608</b> ).
38	2013	<b>Fiers F., Moldovan O.T.</b> , 2012 – The North American continental copepods in Chappuis legacy and the redescription of three species of the genus <i>Moraria</i> T. & A. Scott 1893 (Crustacea: Copepoda: Harpacticoida). <i>Zoological Studies</i> , <b>51 (8)</b> : 1549-1573. (F.I.= <b>1.261</b> )
39	2013	<b>Fiers F.,</b> Kotwicki L., 2013 –The multiple faces of <i>Nannopus palustris</i> auct. reconsidered: Amorphological approach (Copepoda: Harpacticoida: Nannopodidae). <i>Zoologischer Anzeiger</i> <b>253</b> : 36-65. (F.I.= <b>1.400</b> )
40	2013	<b>Fiers F.,</b> Jacque M., 2013 – Leaf litter copepods from a cloud forest mountain top in Honduras (Copepoda: Cyclopidae, Canthocamptidae). <i>Zootaxa</i> , <b>3630</b> : 270-290. (F.I.= <b>0.974</b> )
41	2013	Fitzsimmons, K.E., Hambach U., <b>Veres D.</b> , Iovita R., 2013 –The Campanian Ignimbrite eruption: new data on volcanic ash dispersal and its potential impact on human evolution. <i>PlosOne</i> <b>8(6)</b> , article e65839. (F.I. = <b>3.73</b> )



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42	2013	<b>Iepure, S., Martinez-Hernandez, V., Herrera, S. et al., 2013 – Response of microcrustacean communities from the surface-groundwater interface to water contamination in urban river system of the Jarama basin (central Spain). <i>Environmental Science and Pollution Research</i>, <b>20 (8)</b>: 5813-5826 DOI: 10.1007/s11356-013-1529-9 (F.I. = 2.618)</b>
43	2013	<b>Flot J.F., Bauermeister J., Brad T., Hillebrand-Voiculescu A., Sarbu S.I., Dattagupta S., 2013 – Niphargus-Thiothrix associations may be widespread in sulfidic groundwaters: evidence from southeastern Romania. <i>Molec. Ecol.</i>, doi: 10.1111/mec.12461 (F.I. = 6.275)</b>
44	2013	<b>Ioviț , R., Dobo , A., Fitzmmonis, K. E., Probst, M., Hambach, U., Robu, M., Vlaicu, M., Petculescu, A., 2013 – Geoarchaeological prospection in the loess steppe: Preliminary results from the Lower Danube Survey for Paleolithic Sites (LoDanS) (in press). <i>Quaternary International</i>. doi:10.1016/j.quaint.2013.05.018 (F.I. = 1,962).</b>
45	2013	<b>Karátson D., Telbisz T., Harangi Sz., Kiss B., Magyari E., Veres D., Jánosi Cs., Fodor E., Biró T., Braun M., Fodor E., Biró T., Kósik Sz., von Eynatten H., Lin D., 2013 – The youngest eruptive activity in eastern-central Europe at the Ciomadul (Csomád) volcano, East Carpathians: lava dome morphometry, geochronology, and worldwide comparison. <i>Journal of Volcanology and Geothermal Research</i> <b>255</b>: 43-56. (F.I. = 2.193).</b>
46	2013	<b>Kliem P., Buylaert J.-P., Hahn A., Mayr C., Murray A., Ohlendorf C., Veres D., Wastegård S., Zolitschka, B. and the PASADO Science Team, 2013 – Magnitude, geomorphologic response and climate links of lake level oscillations at Laguna Potrok Aike, Patagonian steppe (Argentina). <i>Quaternary Science Reviews</i> <b>71</b>:131-146 (F.I. = 4.076)</b>
47	2013	<b>Magyari E., Buczkó K., Vennemann T., Kern Z., Fórizs I., Demény A., Braun M., Veres D. 2013 – A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes. <i>Quaternary International</i> <b>293</b>: 136-149. (F.I.=1.962).</b>
48	2013	<b>Manu M, B nciil RI, Onete M, 2013 - Soil mite communities (Acari: Gamasina) from different ecosystem types from Romania. <i>Belgian Journal of Zoology</i>, <b>143</b>: 30-41 (F.I. = 0.702)</b>



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49	2013	<b>Meleg, I.N., Năpăruș, M., Fiers, F., Meleg, H.I., Vlaicu, M., Moldovan, O.T., 2013</b> – The relationships between land cover, climate and cave copepod spatial distribution and suitability along the Carpathians. <i>Environ. Conserv.</i> DOI: <a href="http://dx.doi.org/10.1017/S0376892913000465">http://dx.doi.org/10.1017/S0376892913000465</a> , (F.I. =2,341).
50	2013	<b>Meleg, I.N., Zakšek, V., Fišer, C., Kelemen, B.S., Moldovan, O.T., 2013</b> – Can environment predict cryptic diversity? The case of <i>Niphargus</i> inhabiting Western Carpathian groundwater. <i>PLOS ONE</i> , DOI: 10.1371/journal.pone.0076760. (F.I.=3.730)
51	2013	Miko L., Mourek J., <b>Meleg I.N., Moldovan O.T., 2013</b> – Oribatid mite fossils from pre Quaternary sediments in Slovenian caves II. <i>Amiracarus pliocennatus</i> n. gen., n.sp. (Microzetidae) from Pliocene, with comments on the other species of the genus <i>Zootaxa</i> , <b>3670 (4)</b> : 557–578. (F.I.= 0.974)
52	2013	<b>Moldovan, O.T., Meleg, I.N., Levei, E., Terente, M., 2013</b> – A simple method for assessing biotic indicators and predicting biodiversity in the hyporheic zone of a river polluted with metals, <i>Ecological Indicators</i> , <b>24</b> : 412-420 (F.I. = 2,89).
53	2013	<b>Nitzu, E</b> – The Cholevinae of Romania (exclusive of Leptodirini) (Coleoptera, Leiodidae) with special reference to the hypogeal records. <i>Zootaxa</i> , <b>3620(3)</b> : 351-378 (F.I. = 0,974)
54	2013	<b>Onac, B. P., Effenberger H.S, Wynn J.G., Povar I.</b> – Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania. <i>American Mineralogist</i> , <b>98</b> : 1302–1309.(F.I. = 2,204)
55	2013	<b>Onac, B.P., Forray, F.L., Wynn, J.G., Giurgiu, A.M., 2013</b> – Guano-derived <sup>13</sup> C-based paleo-hydroclimate record from Gaura cu Musca Cave, SW Romania. <i>Environmental Earth Sciences</i> DOI: 10.1007/s12665-013-2789-x (F.I.= 1.45)
56	2013	Peterson, D. E., Finger, K. L., <b>Iepure, S.</b> et al., 2013 – Ostracod assemblage in the Frassasi Caves and adjacent sulfidic spring and Sentino River in the northeastern Apennines of Italy. <i>Journal of Cave and Karst Studies</i> , <b>75(1)</b> : 11-27 (F.I.= 1.057)
57	2013	Ponta, G., <b>Povar I.</b> , Isverceanu, E.G., <b>Onac, B.P., Marin, C., Tudorache, A., 2013</b> - Geology and dynamics of underground waters in Cerna Valley/Bile Herculane (Romania). <i>Carbonates and Evaporites</i> , <b>28(1-2)</b> : 31-39. (F.I. = 0,458)



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58	2013	Pusca C.M., Onac, B.P. Effenberger H.S. and Povara, I., 2013 – Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania. <i>European Journal of Mineralogy</i> : <b>25</b> : 479–486. (F.I. = 1,250)
59	2013	Robu, M., Fortin, J., Richards, M., Sscwartz, C., Wynn, J., Robbins, C.T., Trinkhaus, E., 2013. Isotopic evidence for dietary flexibility among European Late Pleistocene cave bears ( <i>Ursusspelaesus</i> ). <i>Canadian Journal of Zoology</i> . DOI: 10.1139/cjz-2012-0232, (F.I.=: 1,498).
60	2013	Schirmack J., Mangelsdorf K., Ganzert L., Sand W., Hillebrand-Voiculescu A., Wagner D., 2013 – Methanobacterium movilense sp. nov., a Hydrogenotrophic, Secondary Alcohol Utilizing Methanogen from the Anoxic Sediment of the Subsurface Lake in Movile Cave, Romania, <i>Int. J. Sys. Evol. Microbiol.</i> , doi:10.1099/ijs.0.057224-0 (F.I. = 2.27).
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