



INSTITUTUL DE SPEOLOGIE "EMIL RACOVITA"
AL ACADEMIEI ROMANE



Lucrări științifice publicate in reviste de specialitate
cotate ISI, in intervalul 2005-2010

NR.	ANUL	LUCRAREA	FACTOR IMPACT
1.	2010	Ampel, L., Bigler, C., Wohlfarth, B., Risberg, J., Lotter, A.F., Veres, D. – Modest summer temperature variability during DO cycles in Western Europe – an answer to a long time paradox? <i>Quaternary Science Reviews</i> , 29 :1322-1327.	4,113
2.		Ampel, L., Wohlfarth, B., Risberg, J., Veres, D. , Leng, M., Kaislahti Tillman, P. – Diatom community dynamics during abrupt climate change: the response of lacustrine diatoms to Dansgaard-Oeschger cycles during the last glacial period. <i>Journal of Paleolimnology</i> , 44 : 397-404	1,934
3.		Bancila, R.I. , Hartel, T., Plaiasu, R. , Smets, J. & Cogalniceanu, D. – Comparing three body condition indices in amphibians: a case study of yellow-bellied toad <i>Bombina variegata</i> . <i>Amphibia-Reptilia</i> , 31 : 558-562	1,042
4.		Băncilă, R.I. , Van Gelder, I., Rotteveel, E., Loman, J., Arntzen, J.W. – Fluctuating asymmetry is a function of population isolation in island lizards. <i>Journal of Zoology</i> , 282 :1–10.	1,545
5.		Blaauw, M., Wohlfarth, B., Christen, J.A., Ampel, L., Veres, D. , Hughen, K.A., Preusser, F., Svensson, A. – Were last glacial climate events simultaneous between Greenland and Western Europe? <i>Journal of Quaternary Science</i> 25 :387-394.	2,976
6.		Boxshall, G., Danielopol, D. L. , Horne, D., Smith, J., Tabacaru, I. – A critique of biramous interpretations of the crustacean antennulae. <i>Crustaceana</i> , 83(2) : 153-167.	0,6
7.		Constantin, M., Bednarik, M., Jurchescu, M.C. & Vlaicu, M. – Landslide susceptibility assessment using the bivariate statistical analysis and the index of entropy in the Sibiciu Basin (Romania). <i>Environmental Geology</i> , vol. 61 , DOI 10.1007/s12665-010-0724-y.	1,078
8.		Dela Pierre, F., Martire, L., Natalicchio, M., Clari, P., Petrea, C. – Authigenic carbonates in the upper Miocene sediments of the Tertiary Piedmont Basin (NW Italy): vestiges of an ancient gas hydrate stability zone. <i>Geological Society of America Bulletin</i> , 122 (7-8) :994-1010.	3,101
9.		Dogaru, D., Niculae, N., Terente, M. , Jinescu, G. & Dului, O. – Complementary safety indicators of Saligny radioactive waste repository. <i>Romanian Reports in Physics</i> , 62(4) .	0,458
10.		Dorale, J.A., Onac, B.P. , Fornós, J.J., Ginés, J., Ginés, A., Tuccimei, P., Peate, D.W. – Sea-level highstand 81,000 years ago in Mallorca. <i>Science</i> 327 : 860-863.	29,747
11.		Giurginca A., Munteanu, C.M. , Stanomir, L., Niculescu, Gh., Giurginca, M. – Assesment of the potentially toxic metals concentration in karst areas of the Mehedinți Plateau Geopark (Romania). <i>Carpathian Journal of Earth and Environmental Sciences</i> , 5(1) :103 – 110.	0,606
12.		Häuselmann, A.D., Häuselmann, P., Onac, B.P. – Speleogenesis and deposition of sediments in Cioclovina Uscata Cave, Sureanu Mountains, Romania. <i>Environmental Earth Sciences</i> (formerly <i>Environmental Geology</i> , doi: 10.1007/s12665-010-0470-1).	1,026

13.	Johnson, V. E., McDermott, F., Tamas, T. – A radiocarbon dated bat guano deposit from N.W. Romania: Implications for the timing of the Little Ice Age and Medieval Climate Anomaly. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 291(3-4) : 217-227.	2,646
14.	Lenaz, D., Marciano, R., Veres, D., Dietrich, S., Sirocko, F. – Mineralogy of the Dehner and Jungfeirweiher maar tephras (Eifel, Germany). <i>N.Jb.Geol.Palaont.Abh.</i> (doi:10.1127/0077-7749/2010/0062).	0,622
15.	Levei, E., Senila, M., Miclean, M., Abraham, B., Roman, C., Stefanescu, L., Moldovan, O.T. – Influence of Rosia Poieni and Rosia Montana mining areas on the water quality of Aries River, <i>Environmental Engineering and Management Journal</i> , 10(1)	0,885
16.	Martire, L., Natalicchio, M., Petrea, C., Cavagna, S., Clari, P., Dela Pierre, F. – Petrographic evidence of the past occurrence of gas hydrates in the sediment column. Examples from the Oligocene-Miocene of the Tertiary Piedmont Basin (NW Italy). <i>Geo-Marine Letters</i> , 30 (3-4) : 461-467.	1,552
17.	Marin, C., Tudorache, A., Moldovan, O.T., Povară, I. & Rajka, G. - Assessing the contents of arsenic and of some heavy metals in metals surface flows and in the hyporheic zone of the Arieş stream catchment area, Romania. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 5(1) : 13-24.	0,606
18.	Marin, C., Tudorache, A., Vlădescu, L. – Aluminium determination and speciation modelling in groundwater from the area of a future radioactive waste repository. <i>Revista de Chimie</i> , 61 (5) : 431–438.	0,552
19.	McGee, D.K., Wynn, J.G., Onac, B.P., Harries, P.J., Rothfus, E.A. – Tracing groundwater geochemistry using $\delta^{13}\text{C}$ on San Salvador Island (southeastern Bahamas): implications for carbonate hydrogeology and dissolution. <i>Carbonates and Evaporites</i> , 25 (2) : 91-105.	0,32
20.	Mitrofan, H., Marin, C., Zugrăvescu, D., Chitea, F., Anghelache, M.-A., Beşuţiu, L., Tudorache, A. – Persistent pre-seismic signature detected by means of Na-K-Mg geothermometry records in a saline spring of Vrancea area (Romania). <i>Natural Hazards Earth System Sciences</i> , 10 (2) : 217–225.	1,357
21.	Mitrofan, H., Chitea, F., Anghelache, M.-A., Marin, C., Tudorache, A. – Significant earthquakes with different focal mechanisms, accompanied by correspondingly contrasting signatures of subsurface temperatures: Na-K-Mg geothermometry diagnoses in Romania (Vrancea area) and in Northern Italy. <i>Romanian Reports in Physics</i> , 62 (4)	0,458
22.	Povara, I., Ponta, Gh. – Geology and Hidrogeology of the Jiul de Vest-Cernișoara Basins, Romania. <i>Carbonates and Evaporites</i> , 25 (2) :117-126.	0,32
23.	Puscas, C.M., Onac, B.P., Tamas, T. – The mineral assemblage of caves within Șălitrari Mountain (Cerna Valley, SW Romania): depositional environment and speleogenetic implications. <i>Carbonates and Evaporites</i> 25 (2) : 107-115.	0,32
24.	Ribera, I., Fresneda, J., Bucur, R., Izquierdo, A., Vogler, A.P., Salgado, J.M. & Cieslak, A. – Ancient origin of a western mediterranean radiation of subterranean beetles. <i>BMC Evolutionary Biology</i> , 10 : 29	4,29
25.	Sanna, L., Saez, F., Simonsen, S., Constantin, S., Calaforra, J-M., Forti, P., Lauritzen, S.-E. – Uranium-series dating of gypsum speleothems: methodology and examples. <i>Intern. Journal of Speleology</i> , 39 (1) : 35-46.	0,9
26.	Tibor, H., Ollerer, K., Lenard, F., Moga, I., Băncilă, R. I. – Using species detectability to infer distribution, habitat use and absence of cryptic species: the smooth snake (<i>Coronella austriaca</i>) in Saxon Transylvania. <i>Biologia. Acta Scientiarum Transylvanica</i> , 17 (1) : 61-76	0,617
27.	Tudorache, A., Marin, C., Badea, I. A., Vlădescu, L. – Determination of 28.arsenic content of some Romanian natural mineral groundwaters. <i>Environmental Monitoring and Assessment</i> . Published online 11 March 2010, Doi: 10.1007/s10661-010-1372-0.	1,356

28.		Wynn, J., Sumrall, J., Onac, B.P. – Sulfur isotopic composition and the source of dissolved sulfur species in thermo-mineral springs of the Cerna Valley, Romania. <i>Chemical Geology</i> 271 : 31-43	3,407
29.	2009	Ampel, L., Wohlfarth, B., Risberg, J., Veres, D. , Leng, M., Tillman, P.– Diatom community dynamics during abrupt climate change: the response of lacustrine diatoms to Dansgaard-Oeschger cycles during the last glacial period. <i>Journal of Paleolimnology</i> (doi: 10.1007/s10933-009-9350-7).	2,16
30.		Balș-Juvara, I (cercetător asociat) – New species of <i>Holoparasitus</i> Oudemans, 1936 (Acari, Parasitidae) from Spain, North Africa, the Canary and Madeira Islands. <i>Revue Suisse de Zoologie</i> , 115(1) : 37-84	0,043
31.		Chen, Y., Wu, L., Boden, R., Hillebrand, A. , Kumaresan, D., Moussard, H., Baci, M., Lu, Y., Murrell, J.C. – Life without light: microbial diversity and evidence of sulfur- and ammonium-based chemolithotrophy in Movile Cave. <i>The ISME Journal</i> , 3(9) : 1093-1104.	5,029
32.		Cinta Pinzaru, S., Onac, B. P. – Raman study of natural berlinite from the Cioclovina Cave phosphate deposit. <i>Vibrational Spectroscopy</i> , 49 : 97-100.	1,88
33.		Diedrich, C. (cercetător asociat) – Upper Pleistocene <i>Panthera leo spelaea</i> (Goldfuss 1810) remains from the Bilstein Caves (Sauerland Karst) and contribution to the steppe lion taphonomy, palaeobiology and sexual dimorphism. <i>Annales de Paléontologie</i> , 95 : 117–138.	0,2
34.		Dragu, A. – Species structure and dynamics of the bat community hibernating in Muierilor Cave. <i>North-Western Journal of Zoology</i> , 5 (2) : 281-289.	0,817
35.		Falniowski A., Szarowska M., Sirbu I., Hillebrand A. , Baci M. <i>Heleobia</i> dobrogica (Grossu & Negrea, 1989)(Gastropoda: Rissooidea: Cochliopidae) and the estimated time of its isolation in a continental analogue of hydrothermal vents, <i>Molluscan Research</i> 28(3) : 165–170	0,606
36.		Feurdean, A., Klotz, S., Brewer, S., Mosbrugger, V., Tămaș, T. , Wohlfarth, B. – Lateglacial climate development in NW Romania - Comparative results from three quantitative pollen-based methods. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 265(1-2) : 121-133.	2,405
37.		Heyman, J., Stroeven, A.P., Alexanderson, H., Hättestrand, C., Li, Y., Harbor, J., Caffee, M., Zhou, L., Veres, D. , Liu, F., Machiedo, M. – Paleoglaciation of Bayan Har Shan, NE Tibetan Plateau: Glacial geology indicates maximum extents limited to ice cap and ice-field scales. <i>Journal of Quaternary Science</i> , 24 : 710-727.	2,976
38.		Onac, B.P. , Sumrall, J., Tamas, T. , Povara, I. , Kearns, J., Darmiceanu, V., Veres, D. – The relationship between cave minerals and hypogene speleogenesis along the Cerna Valley (SW Romania). <i>Acta Carsologica</i> , 38 (1) : 27-39.	0,2
39.		Onac, B. P. , Bernhardt, H.-J., Effenberger, H. – Authigenic burbankite in the Cioclovina Cave sediments (Romania). <i>European Journal of Mineralogy</i> , 21 : 507-514.	1,43
40.		Onac, B. P. – Effenberger, H., Apatite-(CaOH) in the fossil bat guano deposit from the “Dry” Cioclovina Cave, Sureanu Mountains, Romania. <i>Canadian Mineralogist</i> , 47 : 207-208.	1,2
41.		Venczel, M. & Stiuca, E – Late Middle Miocene amphibians and squamate reptiles from Tauț, Romania . <i>Geodiversitas</i> 30 (4) : 731 – 763.	0,979
42.		Veres, D. , Lallier-Vergès, E., Wohlfarth, B., Lacourse, T., Kéravis, D., Björck, S., Preusser, F., Andrieu-Ponel, V., Ampel, L. – Climate-driven changes in lake conditions during MIS 3 and 2: a high-resolution geochemical record from Les Echets, France. <i>Boreas</i> , 38 : 230-243.	2,227
43.	2008	Ampel, L., Wohlfarth, B., Risberg, J., Veres, D. – Paleolimnological response to millennial and centennial scale climate variability during OIS 3 and 2 as suggested by the diatom record in Les Echets, France. <i>Quaternary Science Reviews</i> , 27 :1493-1504.	4,113

44.	Blauw, M., Wohlfarth, B., Christen, J.A., Ampel, L., Veres, D. , Hughen, K.A., Preusser, F., Svensson, A. – Were last glacial climate events simultaneous between Greenland and Western Europe? <i>Climate of the Past</i> , 4 : 1203-1217.	1,45
45.	Brad, T. , Van Breukelen, B. M., Braster, M., Van Straalen, N. M., and Röling, W. F. M. – Spatial heterogeneity in sediment-associated bacterial and eukaryotic communities in a landfill leachate-contaminated aquifer. <i>FEMS Microbiology Ecology</i> , 65 : 534-543.	3,157
46.	Brad, T. , Braster, M., Van Breukelen, B. M., Van Straalen, N. M. and Röling, W. F. M. – Eukaryotic diversity in an anaerobic aquifer polluted with landfill leachate. <i>Appl. and Environ. Microbiology</i> , 74 (13) : 3959-3968.	3,532
47.	Iepure, S. , Defaye, D. – The <i>Acanthocyclops kieferi</i> complex (Crustacea: Copepoda) from South-Eastern Europe, with description of a new species. <i>Crustaceana</i> , 81 (5) : 611-633	0,421
48.	Iepure, S. , Namiotko, T., & Danielopol, D.L.– Morphological diversity and microevolutionary aspects of the lineage <i>Cryptocandona vavrai</i> Kaufmann 1900 (Ostracoda Candoninae). <i>Annales de Limnologie</i> , 44 (2) : 151-166	0,579
49.	Mitofan, H., Povară, I. , Mafteiu, M.– Geoelectrical investigations by means of resistivity methods in karst areas in Romania. <i>Environ Geol.</i> 55 :405-413.	0,61
50.	Mitofan, H., Marin, C. , Zugrăvescu, D., Tudorache, A. , Beșuțiu, L., Radu, M.– Transients of Giggenbach's "Na-K-Mg-Ca geointicators" preceding the 27 October 2004, Mw=6.0 earthquake in Vrancea area (Romania). <i>Terra Nova</i> , 20 (2) : 87-94.	2,065
51.	Moldovan, O.T. , Pipan, T., Iepure, S. , Mihevc, A., Mulec, J. – Biodiversity and ecology of fauna in percolating water in selected Slovenian and Romanian caves. <i>Acta Carsologica</i> , 36 (3) : 493-50	0,2
52.	Onac, B. P. , Pace-Graczyk, K., Atudorei, V. – Stable isotope study of precipitation and cave drip water in Florida (USA): implications for speleothem-based paleoclimate studies. <i>Isotopes in Environmental and Health Studies</i> , 44 (2) : 149-161.	0,952
53.	Onac, B. P. , Constantin, S. – Archives of climate and environmental change in karst. <i>Quaternary International</i> , 187 : 1-4.	1,607
54.	Onac, B. P. , Tamas, T. – Selected papers of the 9 th Symposium of the European Society for Isotope Research (ESIR), 23-28 June 2007, Cluj-Napoca, Romania - Preface. <i>Isotopes in Environment and Health Studies</i> , 44 (2) : 127-128.	0,952
55.	Richards, M. P., Pacher, M., Stiller, M., Quilès, J., Hofreiter, M., Constantin, S. , Zilhão, J., and Trinkaus, E. – Isotopic evidence for omnivory among European cave bears: Late Pleistocene <i>Ursus spelaeus</i> from the Pesteră cu Oase, Romania. <i>Proc. Nat. Acad. Sci. USA</i> , 105 : 600-604.	9,64
56.	Știucă, E. & Petculescu, A. – Peculiarities of the mammal associations from the Upper Pleisocene (Dobrogea, Romania). <i>Quaternary International</i> , 187 : 79-82.	1,607
57.	Veres, D. , Davies, S.M., Wohlfarth, B., Preusser, F., Wastegård, S., Ampel, L., Hormes, A., Possnert, G., Raynal, J.-P., Vernet, G. – Age, origin and significance of a new middle MIS 3 tephra horizon identified within a long-core sequence from Les Echets, France. <i>Borea</i> , 37 : 434-443.	1,812
58.	Wohlfarth, B., Veres, D. , Ampel, L., Lacourse, T., Andrieu-Ponel, V., Blaauw, M., Kérvais, D., Lallier-Vergès, E., Preusser, F., Björck, S., de Beaulieu, J.-L., Davies, S.M., Hormes, A., Kasper, H.U., Ponel, P., Possnert, G., Reille, M., Risberg, J., Thouveny, N., Zander, A. – Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40–16 ka. <i>Geology</i> , 46 : 407-410.	3,477

59.		Zak, K., Onac, B. P., Perşoiu, A. – Cryogenic carbonates in cave environments: a review. <i>Quaternary International</i> 187 : 84-96.	1,607
60.		Constantin S. , Bojar A. V., Lauritzen S.E., Lundberg J.– Holocene and Late Pleistocene climate in the sub-Mediterranean continental environment: A speleothem record from Poleva Cave (Southern Carpathians, Romania). <i>Palaeogeography Palaeoclimatology Palaeoecology</i> , 243 (3-4) : 322-338.	1,822
61.	2007	Feurdean, A., Mosbrugger V., Onac, B. P. , Polyak, V., Vereş, D. – Younger Dryas to mid-Holocene environmental history of the lowlands of NW Transylvania, Romania. <i>Quaternary Research</i> (doi: 10.1016/j.yqres.2007.08.003).	2,319
62.		Moldovan, O. T., Rajka, G. – Historical biogeography of subterranean beetles - "Plato's cave" or scientific evidence? <i>Acta Carsologica</i> , 36 (1) : 77-86.	0,200
63.		Moldovan, O. T., Racovita, G. , Dunay, G. – Reconsidering Pholeuon C. Hampe (Coleoptera : Leiodidae : Cholevinae), with the description of a new subgenus. <i>Zootaxa</i> , 49 : 31-43.	0,612
64.		Onac, B.P. , Hess, J.W., White, W.B. – The relationship between the mineralization of breccia pipes and mineral composition of speleothems: evidence from Corkscrew Cave, Arizona, USA. <i>Canadian Mineralogist</i> , 45 (5) : 1273-1284.	0,043
65.		Iepure, S. , Namiotko, T., Danielopol, D.L. – Evolutionary and taxonomic aspects within the species group <i>Pseudocandona eremita</i> (Vejdovský) (Ostracoda, Crustacea). <i>Hydrobiologia</i> , 585 : 159-180.	1,049
66.		Veres, D. , Wohlfarth, B., Andrieu-Ponel, V., Björck, S., de Beaulieu, J.-L., Digerfeldt, G., Ponel, P., Ampel, L., Davies, S., Gandouin, E., Belmecheri, S. – The lithostratigraphy of the Les Echets basin, France: tentative correlation between cores. <i>Boreas</i> , 36 : 326-340.	1,812
67.		Gandouin, E., Ponel, P., Andrieu-Ponel, V., Franquet, É., de Beaulieu, J.-L., Reille, M., Guiter, F., Brulhet, J., Lallier-Vergès, É., Keravis, D., von Grafenstein, U., Veres, D. – Past environment and climate changes at the last Interglacial/Glacial transition (Les Échets, France) inferred from subfossil chironomids (Insecta). <i>Comptes Rendus Geosciences</i> , 339 : 337-346.	0,974
68.		Rougier H., Milota S., Rodrigo R., Gherase M., Sarcina L., Moldovan O. , Zilhao, J., Constantin S. , Franciscus R. G., Zollikofer C. P. E., De Leon M. P., Trinkaus E. – Pesteră cu Oase 2 and the cranial morphology of early modern Europeans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 104 (4) : 1165-1170.	9,643
69.	2006	Curcic, BPM, Dimitrijevic, RN, Guirginca, A, Ilie V , Rada, T, Curcic, SB, Tomic, VT . – Four new and endemic species of Roncus L. Koch (Neobisiidae, Pseudoscorpiones) from Romania, Serbia, and Montenegro. <i>Periodicum Biologorum</i> , 108 (2) : 213-221.	0,205
70.		Curcic, BPM, Dimitrijevic, RN, Curcic, SB, Makarov, SE, Curcic, NB, Rada, T, Ilie, V, Guirginca, A. – Biodiversity of pseudoscorpions from the Carpathian Arc in Romania: ecology and evolution of some cave-dwelling taxa. <i>Periodicum Biologorum</i> , 108 (2) : 223-230	0,612
71.		Quiles, J., Petrea, C., Moldovan, O. , Zilhao, J., Rodrigo, R., Rougier, H., Constantin, S. , Milota, S., Gherase, M., Sarcina, L., Trinkaus, E. – Cave bears (<i>Ursus spelaeus</i>) from the Pesteră cu Oase (Banat, Romania): <i>Paleobiology and taphonomy, Comptes Rendus, Palevo I</i> 5 (8) : 927-934,	1,152
72.		Onac, B. P. , Effenberger, H., Ettinger, K., Panzaru, S. C., – Hydroxyllestadite from Cioclovina Cave (Romania): Microanalytical, structural, and vibrational spectroscopy data. <i>American Mineralogist</i> , 91 (11-12) : 1927-1931	1,977

73.		Marin, C. , Pătroescu, C.– Modelarea solubilității CO ₂ în apă pură și soluții averse de electroliți. <i>Revista de Chimie</i> , București, 57 (7) : 669-674	0,208
74.	2005	Holmlund, P., Onac, B.P. , Hansson, M., Holmgren, K., Morth, M., Nyman, M., Persoiu, A. – Assessing the palaeoclimate potential of cave glaciers: The example of the Scarisoara Ice Cave (Romania). <i>Geografiska Annaler Series a-Physical Geography</i> , 87A (1) : 193-201.	0,874
75.		Marincea, Ș., Dumitraș, D.-G., Diaconu, G. – Hydroxylapatite, brushite and ardealite in the bat guano deposit from Peștera Mare de la Merești, Perșani Mountains, Romania. <i>N. Jb. Miner. Mh.</i> 10 : 464-488	0,487
76.		Negrea, Șt. – On the Lithobius species (Chilopoda: Lithobiomorpha) from Israel and adjoining areas. <i>Israel Journ. Zoology</i> , 51 : 27-38	0,400
77.		Onac, B.P. , Ettinger, K., Kearns, J., Balasz, I.I. – A modern, guano-related occurrence of foggite, CaAl(PO ₄)(OH)(2) center dot H ₂ O and churchite-(Y), YPO ₄ center dot 2H(2)O in Cioclovina Cave, Romania. <i>Mineralogy and Petrology</i> , 85 (3-4) : 291-302	1,038
78.		Onac, B.P. , Viehmänn, I. , Lundberg, J., Lauritzen, S. E., Stringer, C., Popita, V. – U-Th ages constraining the Neanderthal footprint at Vartop Cave, Romania. <i>Quaternary Science Reviews</i> , 24 (10-11) : 1151-1157	4,113
79.		Tamas, T. , Onac, B.P. , Bojar, A.V. – Lateglacial-Middle Holocene stable isotope records in two coeval stalagmites from the Bihor Mountains, NW Romania. <i>Geological Quarterly</i> , 49 (2) : 185-194	0,846