

1.1. Lucrări științifice publicate în reviste de specialitate cotate ISI cu factor de impact

Nr.	Anul	Lucrarea	Factor impact
1.	2011	Feurdean, A., Perșoiu A., Pazdur A., Onac, B.P. -Evaluating the palaeoecological potential of pollen recovered from ice in caves: a case study from Scărișoara, Romania. <i>Review of Palaeobotany and Palynology</i> , 165 : 1-10; doi: 10.1016/j.revpalbo.2011.01.007.	2.325
2.		Feurdean, A., Tămaș, T., Tanțău, I., Fărcaș, S. – Elevational variation in regional vegetation responses to late-glacial climate changes in the Carpathians. <i>Journal of Biogeography</i> , doi:10.1111/j.1365-2699.2011.02605.x	4.273
3.		Hartel, T., Bancila, R., Cogalniceanu, D. – Spatial and temporal variability of aquatic habitat use by amphibians in a hydrologically modified landscape. <i>Freshwater Biology</i> , 56(11) : 2288-2298 DOI: 10.1111/j.1365-2427.2011.02655.x	3.082
4.		Iepure, S., Oarga, A. – A new Acanthocyclops Kiefer, 1927 (Copepoda, Cyclopida) from caves in north-western Romania. <i>Annales Zoologici</i> , 61 (2) : 427-438	0.520
5.		Korponai, J., Magyari, E.K., Buczkó, K., Iepure, S., Namiotko, T., Czakó, D., Braun, M. – Cladocera-response to Lateglacial and early Holocene climate change in a South Carpathian mountain lake: weak community change, <i>Hydrobiologia</i> , 676 (1): 223-235	1.964
6.		Kylander, M., Ampel, L., Wolfarth, B., Veres, D. – High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: new insights from chemical proxies. <i>Journal of Quaternary Science</i> , 26 : 109-117.	3.199
7.		Meleg, I. N., Moldovan, O. T., Iepure, S., Fiers, F., Brad, T. – Diversity patterns of fauna from dripping water in caves from Transylvania. <i>International Journal of Limnology</i> , 47 : 185-197.	0.796
8.		Meleg, I. N., Fiers, F., Robu, M., Moldovan, O. T. – Distribution patterns of subsurface copepods and the impact of environmental parameters. <i>Limnologica</i> , doi:10.1016/j.limno.2011.10.001	1.651
9.		Moldovan, O. T., Levei, E., Marin, C., Banciu, M., Banciu, L., H., Pavelescu, C., Brad, T., Cîmpean, M., Meleg, I., Iepure, S., Povară, I. – Spatial distribution patterns of the hyporheic invertebrate communities in a polluted river in Romania. <i>Hydrobiologia</i> , 669 : 63-82.	1.754
10.		Moldovan, O.T., Mihevc, A , Miko, L , Constantin, S., Meleg, I.N., Petculescu, A., Bosak, P - Invertebrate fossils from cave sediments: a new proxy for pre-Quaternary paleoenvironments. <i>Biogeosciences</i> , 8 (7) : 1825-1837. DOI: 10.5194/bg-8-1825-2011	3.587
11.		Ohlendorf, C., Gebhardt, C., Hahn, A., Kliem, P., Zolitschka, B. and the PASADO Science Team* – The PASADO core processing strategy - A proposed new protocol for sediment core treatment in multidisciplinary lake drilling projects. <i>Sedimentary Geology</i> , 239: 104-115; [Veres D., as member of the PASADO Scientific Team]	2.375
12.		Onac, B.P., Forti, P. – Minerogenetic mechanisms occurring in the cave environment: an overview. <i>International Journal of Speleology</i> , 40 (2) :	2.057

	79-98; doi: 10.5038/1827--806X.40.2.1	
13.	Onac, B.P. , Effenberger, H.S., Collins, N.C., Kearns, J.B., Breban, R. – Revisiting three minerals from Cioclovina Cave (Romania). <i>International Journal of Speleology</i> , 40 (2) : 99-108; doi: 10.5038/1827--806X.40.2.2	2.057
14.	Onac, B.P. , Wynn, J.G., Sumarall, J. –Tracing the sources of cave sulfates: a unique case from Cerna Valley, Romania. <i>Chemical Geology</i> , 288 : 105-114; doi: 10.1016/j.chemgeo.2011.07.006	3.985
15.	Perşoiu, A., Onac, B.P. , Wynn, J.G., Bojar, A.-V., Holmgren, K. – Stable isotopes behavior during cave ice formation by water freezing. <i>Journal of Geophysical Research, Atmosphere</i> , 116 , D02111; doi: 10.1029/2010JD014477.	3.30
16.	Rimbu, N., Onac, B. P. , Racoviță, G. – Large-scale climate anomaly patterns associated to temperature variability inside Scarisoara Ice Cave. <i>International Journal of Climatology</i> 31, doi: 10.1002/joc.2369.	2.479
17.	Șandor, M., S., Brad, T. , Maxim, A., and Toader, C. – The influence of selected meteorological factors on microbial biomass and mineralization of two organic fertilizers. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 39 (1) : 107-113.	0.463
18.	Tămaș, T. , Kristály, F., Barbu-Tudoran, L. –Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). <i>International Journal of Speleology</i> , 40 (2) :171-179.	2.057
19.	Tuccimei, P., Onac, B.P. , Dorale, J.A., Ginés, J., Fornós, J.J., Ginés, A., Spada, G., Ruggieri, G., Mucedda, M.– 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. <i>Quaternary International</i> . doi: 10.1016/j.quaint.2011.10.032.	2.092
20.	Dragu, A. , Borissov, I. – Low genetic variability of <i>Rhinolophus mehelyi</i> (Mehely's horseshoe bat), in Romania. <i>Acta Theriologica</i> , 56(4) : 383-387. DOI: 10.1007/s13364-011-0043-z	0.985
21.	Moldovan O.T. , Meleg I.N., Persoiu A. – Habitat fragmentation and its effects on groundwater populations. <i>Ecohydrology</i> , DOI: 10.1002/eco.237.	1.835
22.	Iepure, S. , Meleg, I. – Postnaupliar development of the antennule in the subterranean <i>Acanthocyclops kieferi</i> Kiefer, 1972 species-complex: their significance for systematic. <i>Crustaceana Monograph</i> , 16 : 261-281	0.630
Total punctaj cumulativ		47.466

1.2. Citări în anul 2011 în reviste de specialitate cotate ISI

Nr.	Lucrarea / Citări	Punctaj
1	Tămaș, T. , Onac, B.P. , Bojar, A.-V, 2005 – Lateglacial - Middle Holocene stable isotope records in two coeval stalagmites from the Bihor Mountains, NW Romania. <i>Geological Quarterly</i> , 49 (2) : 185 - 194	
	2011 Urdea, P., Onaca, A., Ardelean, F., Ardelean, M. – New evidence on the quaternary glaciation in the Romanian Carpathians. <i>Developments in Quaternary Science</i> 15 :305-322 (carte)	5.0
	Feurdean, A., Tantau, I., Farcas, S. – Holocene variability in the range distribution and abundance of <i>Pinus</i> , <i>Picea abies</i> , and <i>Quercus</i> in Romania; implications for their current status. <i>Quaternary Science Reviews</i> , doi:10.1016/j.quascirev.2011.07.005 (ISI 4.657)	5.0
	Feurdean, A., Tămaș, T., Tanțău, I., Fărcaș, S. – Elevational variation	5.0

		in regional vegetation responses to late-glacial climate changes in the Carpathians. <i>Journal of Biogeography</i> , doi:10.1111/j.1365-2699.2011.02605.x (ISI 4.27)	
2.	Onac, B.P. , Sumrall, J, Tămaş, T. , Povară, I. , Kearns, J., Dârmiceanu, V, Vereş, D., Lascu, C., 2009 – The relationship between cave minerals and hypogene speleogenesis along the Cerna Valley (SW Romania). <i>Acta Carsologica</i> , 38(1) :27-39		
		Pogson, R.E., Osborne, R.A.L., Colchester, D.M., Cendón, D.I.– Sulfate and phosphate speleothems at Jenolan Caves, New South Wales, Australia. <i>Acta Carsologica</i> , 40(2) : 239-254	5.0
		Onac, B.P., Forti, P. – Minerogenetic mechanisms occurring in the cave environment: An overview. <i>International Journal of Speleology</i> , 40 (2) : 79-98 (ISI 2,057)	5.0
		Lazaridis, G., Melfos, V., Papadopoulou, L. – The first cave occurrence of orpiment (As ₂ S ₃) from the sulfuric acid caves of Aghia Paraskevi (Kassandra Peninsula, N. Greece). <i>International Journal of Speleology</i> , 40 (2) : 133-139 (ISI 2,057)	5.0
		Onac, B.P., Wynn, J.G., Sumrall, J.B. – Tracing the sources of cave sulfates: A unique case from Cerna Valley, Romania. <i>Chemical Geology</i> 288 (3-4) : 105-114 (ISI 3.985)	5.0
3.	Johnson, V. E., McDermott, F., Tămaş, T. , 2010 – 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		
		Onac, B.P., Forti, P. – Minerogenetic mechanisms occurring in the cave environment: an overview. <i>International Journal of Speleology</i> , 40 (2) , 79-98 (ISI 2.057)	5.0
		Persoiu A, Pazdur A. – Ice genesis and its long-term mass balance and dynamics in Scarisoara Ice Cave, Romania. <i>Cryosphere</i> , 5, 1 , 45-53 (ISI 3,641)	5.0
4.	Puşcaş, C. M., Onac, B.P. , Tămaş, T. , 2010– The mineral assemblage of caves within Şălitrari Mountain (Cerna Valley, SW Romania): depositional environment and speleogenetic implications. <i>Carbonates and Evaporites</i> , 25 (2) :107-115		
		Onac, B.P., Wynn, J.G., Sumrall, J.B. – Tracing the sources of cave sulfates: A unique case from Cerna Valley, Romania. <i>Chemical Geology</i> 288 (3-4) , 105-114.	5.0
5.	Brad, T. , Van Breukelen, B. M., Braster, M., Van Straalen, N. M., and Röling, W. F. M., 2008 – Spatial heterogeneity in sediment-associated bacterial and eukaryotic communities in a landfill leachate-contaminated aquifer. <i>FEMS Microbiology Ecology</i> 65 :534-543		
		Mikkonen, A., Lappi, K., Wallenius, K., Lindström, K., & Suominen, L. – Ecological inference on bacterial succession using curve-based community fingerprint data analysis, demonstrated with rhizoremediation experiment. <i>FEMS Microbiology Ecology</i> , 78(3) , 604-616	5.0
		Rotaru, C., Woodard, T. L., & Nevin, K. P. – Bacterial diversity in soil exposed to highway runoff and de-icing agents. <i>Geomicrobiology Journal</i> , 28(4) , 359-370	5.0
		Staats, M., Braster, M., & Röling, W. F. – Molecular diversity and distribution of aromatic hydrocarbon-degrading anaerobes across a landfill leachate plume. <i>Environmental Microbiology</i> , 13(5) , 1216-1227	5.0
6.	Brad, T. , Braster, M., Van Breukelen, B. M., Van Straalen, N. M., and		

	Röling, W. F. M., 2008 – Eukaryotic diversity in an anaerobic aquifer polluted with landfill leachate. <i>Applied and Environmental Microbiology</i> , 74 (13) : 3959-3968, ISI 3.532	
	Akob, D. M., & Küsel, K. – Where microorganisms meet rocks in the earth's critical zone. <i>Biogeosciences Discussions</i> , <i>8(2)</i> : 2523-2562	5.0
	Bayané, A., & Guiot, S. R. – Animal digestive strategies versus anaerobic digestion bioprocesses for biogas production from lignocellulosic biomass. <i>Reviews in Environmental Science and Biotechnology</i> , <i>10(1)</i> , 43-62	5.0
	Lin, H., Li, W., Yan, X. & Ren, N.–Evaluation and choice of PCR-DGGE primers in analyzing the microbial community structure of activated sludge in traditional chinese medicine wastewater. <i>Huanjing Kexue/Environmental Science</i> , <i>32(5)</i> : 1505-1510	5.0
	Pearce, A. R., Rizzo, D. M., & Mouser, P. J. – Subsurface characterization of groundwater contaminated by landfill leachate using microbial community profile data and a nonparametric decision-making process. <i>Water Resources Research</i> , <i>47(6)</i>	5.0
	Zhang, S., & Xie, S. – Impact of anaerobic phenanthrene biodegradation on bacterial and archaeal communities. <i>Beijing Daxue Xuebao (Ziran Kexue Ban)/Acta Scientiarum Naturalium Universitatis Pekinensis</i> , <i>47(5)</i> , 923-928	5.0
7.	Kylander, M.E., Ampel, L., Wohlfarth, B., Veres, D. , 2011. High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: New insights from chemical proxies. <i>Journal of Quaternary Science</i> , 26 (1) : 109-117	
	Larsen, N.K., Kjær, K.H., Olsen, J., Funder, S., Kjeldsen, K.K., Nørgaard-Pedersen, N., 2011. Restricted impact of Holocene climate variations on the southern Greenland Ice Sheet. <i>Quaternary Science Reviews</i> <i>30 (21-22)</i> , pp. 3171-3180	5.0
	Long, A.J.– Editorial. <i>Journal of Quaternary Science</i> , 26 (1) : 1-2.	5.0
	West Margaret; Ellis Andrew T.; Potts Philip J.; et al., 2011. Atomic spectrometry update-X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> <i>26, 10</i> , pp. 1919-1963	5.0
8.	Ampel L., Wohlfarth B., Risberg J., Veres D. , Leng M.J., Tillman P.K., 2010 – Diatom assemblage 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 (2) : 397-404 .	
	Kylander, M.E., Ampel, L., Wohlfarth, B., Veres, D., 2011. High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: New insights from chemical proxies. <i>Journal of Quaternary Science</i> <i>26 (1)</i> , pp. 109-117	5.0
9.	Ampel L., Bigler C., Wohlfarth B., Risberg J., Lotter A.F., Veres D. , 2010 – Modest summer temperature variability during DO cycles in western Europe. <i>Quaternary Science Reviews</i> , 29 (11-12) : 1322-1327	
	Lane, C.S., Blockley, S.P.E., Bronk Ramsey, C., Lotter, A.F. – Tephrochronology and absolute centennial scale synchronisation of European and Greenland records for the last glacial to interglacial transition: A case study of Soppensee and NGRIP. <i>Quaternary International</i> 246 (1-2) : 145-156.	5.0

10.	Blaauw M., Wohlfarth B., Andres Christen J., Ampel L., Veres D., Hughen K.A., Preusser F., Svensson A., 2010 – Were last glacial climate events simultaneous between Greenland and France? A quantitative comparison using non-tuned chronologies. <i>Journal of Quaternary Science</i> , 25 (3) : 387-394	
	Lane, C.S., Blockley, S.P.E., Bronk Ramsey, C., Lotter, A.F. – Tephrochronology and absolute centennial scale synchronisation of European and Greenland records for the last glacial to interglacial transition: A case study of Soppensee and NGRIP. <i>Quaternary International</i> , 246 (1-2): 145-156	5.0
	Higham, T., Jacobi, R., Basell, L., Ramsey, C.B., Chiotti, L., Nespoulet, R. – Precision dating of the Palaeolithic: A new radiocarbon chronology for the Abri Pataud (France), a key Aurignacian sequence. <i>Journal of Human Evolution</i> 61 (5):549-563.	5.0
	Brendryen, J., Haflidason, H., Sejrup, H.P. 2011. Non-synchronous deposition of North Atlantic Ash Zone II in Greenland ice cores, and North Atlantic and Norwegian Sea sediments: An example of complex glacial-stage tephra transport. <i>Journal of Quaternary Science</i> 26 (7), pp. 739-745.	5.0
	Klaunberg, K., Blackwell, P.G., Buck, C.E., Mulvaney, R., Röthlisberger, R., Wolff, E.W. 2011. Bayesian Glaciological Modelling to quantify uncertainties in ice core chronologies. <i>Quaternary Science Reviews</i> 30 (21-22), pp. 2961-2975	5.0
	Parnell, A.C., Buck, C.E., Doan, T.K., 2011 A review of statistical chronology models for high-resolution, proxy-based Holocene palaeoenvironmental reconstruction. <i>Quaternary Science Reviews</i> 30 (21-22), pp. 2948-2960.	5.0
	Blaauw, M., van Geel, B., Kristen, I., Plessen, B., Lyaruu, A., Engstrom, D.R., van der Plicht, J., Verschuren, D., 2011. High-resolution ¹⁴ C dating of a 25,000-year lake-sediment record from equatorial East Africa. <i>Quaternary Science Reviews</i> 30 (21-22), pp. 3043-3059.	5.0
	Lowe, D.J., 2011. Tephrochronology and its application: A review. <i>Quaternary Geochronology</i> 6 (2), pp. 107-153	5.0
	Higham, T., 2011. European middle and upper palaeolithic radiocarbon dates are often older than they look: Problems with previous dates and some remedies. <i>Antiquity</i> 85 (327), pp. 235-249.	5.0
	Jacobi, R., Higham, T., 2011. The British Earlier Upper Palaeolithic. Settlement and Chronology (book). <i>Developments in Quaternary Science</i> 14 (C), pp. 181-222	5.0
11.	Veres D., Lallier-Verges E., Wohlfarth B., Lacourse T., Keravis D., Björck S., Preusser F., Ampel L., 2009. – Climate-driven changes in lake conditions during late MIS 3 and MIS 2: A high-resolution geochemical record from Les Echets, France. <i>Boreas</i> , 38 (2) : 230-243	
	Kylander, M.E., Ampel, L., Wohlfarth, B., Veres, D – High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: New insights from chemical proxies. <i>Journal of Quaternary Science</i> 26 (1), pp. 109-117	5.0
12.	Heyman J., Stroeven A.P., Alexanderson H., Hattestrand C., Harbor J., Li Y., Caffee M.W., Machiedo M., 2009. – Palaeoglaciation of Bayan Har Shan, northeastern Tibetan Plateau: Glacial geology indicates maximum extents limited to ice cap and ice field scales. <i>Journal of Quaternary Science</i> , 24 (7) : 710-727	
	Björn, M., Heyman, J., Stroeven, A.P. – Glacial geomorphology of the central Tibetan Plateau. <i>Journal of Maps</i> 2011, pp. 115-125.	5.0

		Heyman, J., Stroeven, A.P., Caffee, M.W., Hättestrand, C., Harbor, J.M., Li, Y., Alexanderson, H., (...), Hubbard, A. –Palaeoglaciology of Bayan Har Shan, NE Tibetan Plateau: Exposure ages reveal a missing LGM expansion. <i>Quaternary Science Reviews</i> 30 (15-16), pp. 1988-2001	5.0
		Kirchner, N., Greve, R., Stroeven, A.P., Heyman, J. – Paleoglaciological reconstructions for the Tibetan Plateau during the last glacial cycle: Evaluating numerical ice sheet simulations driven by GCM-ensembles. <i>Quaternary Science Reviews</i> 30 (1-2), pp. 248-267	5.0
13.	Veres D. , Davies S.M., Wohlfarth B., Preusser F., Wastegard S., Ampel L., Hormes A., Vernet G., 2008 – Age, origin and significance of a new middle MIS 3 tephra horizon identified within a long-core sequence from Les Echets, France. <i>Boreas</i> , 37 (3) : 434-443		
		Veres D., Davies S.M., Wohlfarth B., Preusser F., Wastegard S., Ampel L., Hormes A., (...), Vernet G., 2008. Age, origin and significance of a new middle MIS 3 tephra horizon identified within a long-core sequence from Les Echets, France. <i>Boreas</i> , 37 (3), pp. 434-443	5.0
		Lowe, D.J., 2011. Tephrochronology and its application: A review. <i>Quaternary Geochronology</i> 6 (2), pp. 107-153	5.0
14.	Ampel L., Wohlfarth B., Risberg J., Veres D. , 2008. – Paleolimnological response to millennial and centennial scale climate variability during MIS 3 and 2 as suggested by the diatom record in Les Echets, France. <i>Quaternary Science Reviews</i> , 27 (15-16) : 1493-1504		
		Tingstad, A.H., Moser, K.A., MacDonald, G.M., Munroe, J.S., 2011. A ~13,000-year paleolimnological record from the Uinta Mountains, Utah, inferred from diatoms and loss-on-ignition analysis. <i>Quaternary International</i> 235 (1-2), pp. 48-56.	5.0
		Jiang, H., Mao, X., Xu, H., Thompson, J., Wang, P., Ma, X., 2011. Last glacial pollen record from Lanzhou (Northwestern China) and possible forcing mechanisms for the MIS 3 climate change in Middle to East Asia. <i>Quaternary Science Reviews</i> 30 (5-6), pp. 769-781.	5.0
		Kylander, M.E., Ampel, L., Wohlfarth, B., Veres, D., 2011. High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: New insights from chemical proxies. <i>Journal of Quaternary Science</i> 26 (1), pp. 109-117	5.0
15.	Wohlfarth B., Veres D. , Ampel L., Lacourse T., Blaauw M., Preusser F., Andrieu-Ponel V., Zander A., 2008 – Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40-16 ka. <i>Geology</i> , 36 (5) :407-410		
		Van Meerbeeck, C.J., Renssen, H., Roche, D.M., Wohlfarth, B., Bohncke, S.J.P., Bos, J.A.A., Engels, S., (...), Vandenberghe, J., – The nature of MIS 3 stadial-interstadial transitions in Europe: New insights from model-data comparisons. <i>Quaternary Science Reviews</i> 30 (25-26), pp. 3618-3637.	5.0
		Andren Thomas; Bjorck Svante; Andren Elinor; et al.– The Development of the Baltic Sea Basin During the Last 130 ka. Editor(s): Harff J; Bjorck S; Hoth P, <i>BALTIC SEA BASIN Book Series: Central and Eastern European Development Studies</i> , pp. 75-97.	5.0
		A coupled climate model simulation of Marine Isotope Stage 3 stadial climate Brandefelt, J., Kjellström, E., NBrandefelt, J., Kjellstrom, E., Naslund, J.-O., Strandberg, G., Voelker, A.H.L., Wohlfarth, B.–A coupled climate model simulation of Marine Isotope Stage 3 stadial climate. <i>Climate of the Past</i> 7 (2): 649-670.	5.0

		Van Meerbeeck, C.J., Roche, D.M., Renssen, H. – Assessing the sensitivity of the North Atlantic Ocean circulation to freshwater perturbation in various glacial climate states. <i>Climate Dynamics</i> 37 (9-10), pp. 1909-1927.	5.0
		Sommer, R.S., Fritz, U., Seppä, H., Ekström, J., Persson, A., Liljegren, R. –When the pond turtle followed the reindeer: Effect of the last extreme global warming event on the timing of faunal change in Northern Europe. <i>Global Change Biology</i> 17 (6), pp. 2049-2053.	5.0
		Kylander, M.E., Ampel, L., Wohlfarth, B., Veres, D. – High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: New insights from chemical proxies. <i>Journal of Quaternary Science</i> 26 (1), pp. 109-117	5.0
16.		Feurdean A., Mosbrugger V., Onac B.P. , Polyak V., Veres D. , 2007 – Younger Dryas to mid-Holocene environmental history of the lowlands of NW Transylvania, Romania. <i>Quaternary Research</i> , 68 (3), pp. 364-378	
		Cameron, R.A.D., Pokryszko, B.M., Horsák, M., Sirbu, I., Gheoca, V. – Forest snail faunas from Transylvania (Romania) and their relationship to the faunas of Central and Northern Europe. <i>Biological Journal of the Linnean Society</i> 104 (2), pp. 471-479.	5.0
		Feurdean, A., Tanțau, I., Farcaș, S. – Holocene variability in the range distribution and abundance of <i>Pinus</i> , <i>Picea abies</i> , and <i>Quercus</i> in Romania; implications for their current status. <i>Quaternary Science Reviews</i> 30 (21-22), pp. 3060-3075.	5.0
		Tanțău, I., Feurdean, A., de Beaulieu, J.-L., Reille, M., Fărcaș, S., – Holocene vegetation history in the upper forest belt of the Eastern Romanian Carpathians. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> 309 (3-4), pp. 281-290.	5.0
		Kossler, A., Tarasov, P., Schlolaut, G., Nakagawa, T., Marshall, M., Brauer, A., Staff, R., Tada, R. – Onset and termination of the late-glacial climate reversal in the high-resolution diatom and sedimentary records from the annually laminated SG06 core from Lake Suigetsu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> 306 (3-4), pp. 103-115	5.0
17.		Veres D. , Wohlfarth B., Andrieu-Ponel V., Bjorck S., De Beaulieu J.-L., Digerfeldt G., Ponel P., (...), Belmecheri S., 2007 – The lithostratigraphy of the Les Echets basin, France: Tentative correlation between cores. <i>Boreas</i> , 36 (3) : 326-340	
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		TOTAL CITĂRI: 159	795

1.3. Lucrări științifice publicate în reviste de specialitate fără cotație ISI (cotate CNCSIS în categoria B) în 2011

Anul	Nr.	Lucrarea
2011	1.	Nițu, E., Popa, I., Giurginca, A – Invertebrate fauna (Coleoptera, Collembola, Diplopoda, Isopoda) collected in the karst areas of the Aninei-Locvei Mountains. <i>Travaux de l'Institut de Spéologie "Emile Racovitza"</i> , 50:15-36.
	2.	Racoviță, Gh. – Révision systématique des Leptodirinae souterrains des Monts Apuseni. VIII. Aperçu synthétique sur le genre <i>Pholeuon</i> . <i>Travaux de l'Institut de Spéologie "Emile Racovitza"</i> , 50:37-60.
	3.	Borda, D., Racoviță, Gh. – Données thermométriques relatives à l'atmosphère de la grotte Poarta lui Ionel (Monts du Bihor, Roumanie). <i>Travaux de l'Institut de Spéologie "Emile Racovitza"</i> , 50: 77-86.
	4.	Tabacaru, I. (cercetător asociat), Danielopol, D.L. – Essai d'analyse critique des principales hypothèses concernant la phylogénie des Malacostracés (Crustacea, Malacostraca). <i>Travaux de l'Institut de Spéologie "Emile Racovitza"</i> , 50:87-119.
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	6.	Geantă, A. D., Tanțău, I., Tămaș, T. – MCA, LIA and human impact recorded by the vegetation of NW Romania - palynological analysis of a 800 years old bat guano deposit. PAGES Workshop, Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene, Suceava, 9-12.06., Abstracts volume, p. 41 - 44. (extended abstract, conf. internațională)
	7.	Iepure, S., Namiotko, T., Magyari, E – Ostracods preservation and response to Late Glacial and Early Holocene climate changes in a sub-alpine belt of the southern Romanian Carpathians, <i>Joannea Geologie und Paläontologie</i> , 11: 91-94
	8.	Tudorache, A., Marin, C., Badea, I. A., Vladescu, L. – Determination of arsenic content of some Romanian natural mineral groundwaters. <i>Environmental Monitoring and Assessment</i> , 173(1-4): 79 – 89.

1.4. Lucrări științifice prezentate la conferințe internaționale, cu comitet de program

Anul	Nr.	Comunicarea	Punctaj
2011	1.	Ponta, Gh., Povara, I., Isverceanu, E.G., Onac, B.P., Marin C., Tudorache, A. – Geology and dynamics of underground waters in Cerna Valley / Băile Herculane (Romania). <i>Book of Abstracts The 12th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst</i> , 10-14 January 2011, St. Louis, Missouri,	5
	2.	Moldovan, O.T., Meleg, I.N., Mihevc, A. & Constantin, S. – Do the oldest subfossil invertebrates from sediments come from caves?, <i>5th International conference of the International Biogeography Society</i> , 7-11 January, 2011, Irakleio, Crete, Greece (poster)	5
	3.	Moldovan O.T., Meleg I.N., Epure L., Panaiotu C., Mihevc A., Constantin S. – Invertebrate fossils found in cave sediments as proxies for	5

	Pliocene/Pleistocene environments. <i>XVIII INQUA-Congress</i> , 21-27 July 2011 in Bern, Switzerland (poster)	
4.	Vişan, I., Tămaş, T. – Mineralogy of caves from Dealul Popii (Rodnei Mountains, N. Romania). <i>Proceedings of the 7th Symposium on Karst Protection</i> , 21.05., Bela Palanka, Serbia, p. 7 - 8	5
5	Tămaş, T. , Minghiraş, T. – The karst from Rodnei Mountains, N. Romania - an overview. <i>Proceedings of the 7th Symposium on Karst Protection</i> , 21.05., Bela Palanka, Serbia, p. 8 - 9	5
6.	Tămaş, T. – The exploration of Izvorul Izei Cave - a story of digging and diving. <i>Proceedings of the 7th Symposium on Karst Protection</i> , 21.05., Bela Palanka, Serbia, p. 26 - 27	5
7.	Feurdean, A., Tămaş, T., Tanţău, I., Fărcaş, S. - Elevational variation in the biotic response to repeated climate changes in the Carpathians. PAGES Workshop, <i>Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene</i> , Suceava, 9-12.06., Abstracts volume, p. 8	5
8.	Tămaş, T., Onac, B.P. – Late Quaternary climate history of Romania: results from Th/U dating of speleothems. PAGES Workshop, <i>Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene</i> , Suceava, 9-12.06., Abstracts volume, p. 9-10	5
9.	Tămaş, T., Onac, B.P. – Stable isotope variations between 59-46 kyr BP recorded in a stalagmite from NW Romania. PAGES Workshop, <i>Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene</i> , Suceava, 9-12.06., Abstracts volume, p. 38	5
10.	Onac, B.P., Tămaş, T., Vişan, I. – Stable isotopes of rainfall and dripwater at Ursilor Cave (Romania): the path to reliable speleothems paleoclimate reconstructions. <i>Abstracts of the XIth ESIR Workshop, Central European Geology</i> , 54/1, DOI: 10.1556/CEuGeol.54.2011.1.1	5
11.	Iepure, S., Namiotko, T., Magyari, E.K. – Ostracod preservation and response to Late Glacial and Early Holocene climate changes in a sub-alpine belt lake of the central Romanian Carpathians, <i>7th European Ostracodologists' Meeting</i> , 25-28 Iulie 2011, Graz, Austria (poster)	5
12.	Magyari, E., Buczkó, K., Braun, M., Toth, M., Hubay, K., Korponai, J., Jakab, G., Iepure, S., Heiri, O., Hübener, Th., Vennemann, T. – Biotic and abiotic responses to rapid Lateglacial climate change in the subalpine belt of the S Carpathians (Romania) - multi-proxy results from the PROLONGE project, <i>XVIII INQUA-Congress Quaternary sciences – the view from the mountains</i> , 21-27 July 2011 in Bern, Switzerland (poster)	5
13.	Dragusin, V., Hoffmann, D., Onac, B.P., Isverceanu, E. – MIS 3 Climate Variability Revealed by Two Stalagmites from Northern and South-Western Romania (poster), <i>AGU Fall Meeting</i> , San Francisco (December 4-9, 2011)	5
14.	Onac, B.P., Persoiu, A. – The interplay between air temperature and ice mass balance changes in Scarisoara Ice Cave, Romania (poster), <i>First International Planetary Cave Research Workshop</i> , Carlsbad NM (October 25-30)	5
15.	Onac, B.P., Dorale, J.A., Fornós, J.J., Ginés, J., Ginés, A., Tuccimei, P. - Majorca caves, sea-level changes, and astronomical forcing: the highs and lows of Quaternary sea-level reconstruction, <i>INQUA (International Quaternary Assoc. Congress)</i> , Bern, Switzerland (July 20-24, 2011) (poster)	5
16.	Tuccimei, P., Onac, B.P., Dorale, J.A., Ginés, J., Fornós, J.J., Ginés, A., Spada, G., Ruggieri, G., Mucedda, M. - Decoding sea level changes in western Mediterranean using speleothem encrustations from coastal caves in Mallorca and NW Sardinia, <i>INQUA (International Quaternary Assoc. Congress)</i> , Bern, Switzerland (July 20-24, 2011) (poster)	5

17.	Onac, B.P., Tămaș, T., Visan, I. - Stable isotopes of rainfall and dripwater at Ursilor Cave (Romania): the path to reliable speleothems paleoclimate reconstructions, <i>European Society for Isotope Research Conference</i> (Budapest, Hungary, July 4-8, 2011) (poster)	5
18.	Onac, B.P., Wynn, J.G., Citterio, M. – Ikaite in the Scarisoara Ice Cave (Romania): origin and significance, <i>European Geosciences Union (EGU) Meeting</i> , Wien, Austria (April 4-7, 2011) (poster)	5
19.	Maggi, V., Turri, S., Bini, A., Persoiu, A., Onac, B.P., Udisti, R., Stenni, B. - Two millennia of ice accumulation in Focul Viu Ice Cave, Romania, <i>European Geosciences Union (EGU) Meeting</i> , Wien, Austria (April 4-7, 2011) (poster)	5
20.	Perșoiu, A., Onac, B.P., Feurdean, A., Perșoiu, I., Mățău, F., Veres, D.S. - A Holocene perspective on interactions between social and environmental processes in NW Romania, Eastern Europe, <i>AGU Chapman Conference on Climates, Past Landscapes, and Civilizations</i> , Santa Fe, NM, (21–25 March, 2011)	5
21.	Veres, D., Onac, B.P., Persoiu, A., Polyak, V., Atlas, Z.D., Asmerom, Y. – Signals of natural cycling of elements and anthropogenic environmental impact in a cave ice deposit – a geochemical perspective. <i>Abstract book of the 1st Regional workshop on Climate change in the Carpathian-Balkan region during the Late Pleistocene and Holocene</i> , p. 36.	5
22.	Magyari, E., Buczkó, K., Vennemann, T., Kern., Fórizs, I., Demény, A., Braun, M., Veres, D. – A 14,000-year diatom oxygen isotope record from the Romanian South Carpathians reflect changes in the seasonal distribution of precipitation and temperature. <i>Abstract book of the 1st Regional workshop on Climate change in the Carpathian-Balkan region during the Late Pleistocene and Holocene</i> , p. 10-11	5
23.	Veres, D., Lane, C.S., Timar-Gabor, A., Constantin, D., Szakacs, A., Panaiotu, C.G., Onac, B.P. – The Campanian Ignimbrite tephra layer - a regional stratigraphic marker for the MIS 3 loess deposits of Romania. <i>Abstract book of the 1st Regional workshop on Climate change in the Carpathian-Balkan region during the Late Pleistocene and Holocene</i> , p.11-12.	5
24.	Constantin, D., Timar-Gabor, A., Veres, D., Cosma, C.– SAR-OSL dating of quartz of different grain sizes extracted from a loess section in southern Romania embedding the Campanian Ignimbrite/Y5 tephra layer. <i>Abstract book of the 13th International Conference on Luminescence and Electron Spin Resonance Dating (LED 2011)</i>	5
25.	Wastegård, S., Kliem, P., Ohlendorf, C., Zolitschka, B., Veres, D. – Tephrostratigraphy of the Potrok Aike maar lake sediment sequence. In <i>Abstract book of the XVIII INQUA-Congress Quaternary sciences</i> .	5
26.	Dragusin, V., Hoffmann, D., Onac, B.P., Ersek, V., Veres, D. – A MIS 3 stable isotope record from Peștera Ascunsă, Romania – implications for understanding regional climate dynamics at the time of early modern human migration into Europe. In <i>Abstract book of the XVIII INQUA-Congress Quaternary sciences</i> .	5
27.	Veres, D., Onac, B.P., Persoiu, A., Atlas, Z.D., Polyak, V., Asmerom, Y. – A six thousand year geochemical record of atmospheric metal deposition in an ice core from Scarisoara Cave, Apuseni Mountains, Romania. <i>AGU Chapman Conference on Climates, Past Landscapes, and Civilizations abstract book</i> , p. 83.	5
28.	Dragusin, V., Hoffmann, D., Ersek, V., Veres, D. – From Mid-Holocene to Present: a Speleothem Climate Record from SW Romania. <i>Abstract book</i> ,	5

		<i>Climate Change: The Karst Record – VI.</i>	
29.	Wastegård, S., Kliem, P., Ohlendorf, C., Zolitschka, B., Veres, D. and the PASADO Science Team– Tephrostratigraphy of the Potrok Aike maar lake sediment sequence. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 68. [*as member of the PASADO Scientific Team]	5	
30.	Zhu, J., Lucke, A., Wissel, H., Mayr, C., Oehlerich, M., Ohlendorf, C., Zolitschka, B. and the PASADO Science Team*, 2011. Carbon and nitrogen isotope composition of bulk sedimentary organic matter from Laguna Potrok Aike during the Last Glacial and the Holocene. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 69-70. [Veres D. *as member of the PASADO Scientific Team]	5	
31.	Vuillemin, A., Ariztegui, D., Lucke, A., Mayr, C. and the PASADO Science Team*, 2011. Tracking microbial influence on nutrient cycling and early diagenesis in Laguna Potrok Aike sediments since the Late Pleistocene. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 63-67. [Veres D *as member of the PASADO Scientific Team]	5	
32.	Schäbitz, F., Wille, M. and the PASADO Science Team*, 2011. Paleoclimate reconstructions based on the pollen record from Laguna Potrok Aike. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p.62. [Veres D *as member of the PASADO Scientific Team]	5	
33.	Recasens, C., Ariztegui, D., Maidana, N. and the PASADO Science Team*, 2011. The diatom record of Laguna Potrok Aike, Argentina. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 60-61. [Veres D *as member of the PASADO Scientific Team]	5	
34.	Quintana, F.A., Bianchi, M.M. and the PASADO Science Team* – Long-term trends of fire activity based on records of macroscopic charcoal remains from Laguna Potrik Aike (51°58' S, 70°23' W), Santa Cruz, Argentina. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 56-59. [Veres D *as member of the PASADO Scientific Team] .	5	
35.	Ohlendorf, C., Gebhardt, C., Hahn, A., Kliem, P., Zolitschka, B. and the PASADO Science Team*, 2011. Intra- and inter-site core correlation for PASADO deep drilling sites 5022-1 and 5022-2 from Laguna Potrok Aike, Argentina. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 52-54. [Veres D *as member of the PASADO Scientific Team] .	5	
36.	Oehlerich, M., Mayr, C., Teichert, B.M.A., Gussone, N., Lucke, A., Kliem, P., Schmahl, W.W., Zolitschka, B. and the PASADO Science Team* – Origin of sedimentary carbonates from Laguna Potrok Aike – a multiple stable isotope approach. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 50-51. [Veres D *as member of the PASADO Scientific Team]	5	
37.	Mayr, C., Oehlerich, M., Lucke, A., Wissel, H., Haberzettl, T., Kliem, P., Ohlendorf, C., Zolitschka, B. and the PASADO Science Team* – Late Glacial isotope records of endogenic carbonates from Laguna Potrok Aike. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 47-48. [Veres D *as member of the PASADO Scientific Team]	5	
38.	Leavitt, P.R., Bunting, L., Quiñones-Rivera, Z.J., Hodgson, D.A. and the PASADO Science Team* – Historical changes in production, gross algal community composition, and ultraviolet radiation regime in Laguna Potrok Aike, Patagonia, during the past 35,000 years. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 35-36. [Veres D *as member of the PASADO Scientific Team]	5	
39.	Kliem, P., Buylaert, J.P., Enters, D., Hahn, A., Ohlendorf, C., Zolitschka, B. and the PASADO Science Team* – Dating, age-depth and hydrological	5	

		interpretation of the 51 cal. ka BP composite profile from Laguna Potrok Aike in Southern Patagonia, Argentina. In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 32-34. [Veres D *as member of the PASADO Scientific Team]	
40.		Hahn, A., Kliem, P., Ohlendorf, C., Zolitschka, B. and the PASADO Science Team*–Geochemical characterization of the PASADO sediment record from Laguna Potrok Aike, Southern Patagonia (Argentina). In <i>Abstract book of the 3rd International PASADO Workshop</i> , p. 29-30. [Veres D *as member of the PASADO Scientific Team]	5
41.		Lauritzen, S.E., Constantin, S., Onac, B.P. – Climatic information from diagenetic calcite crystals in a subarctic cave., <i>6th International Conference “Climate Change – The Karst Records”</i> , Birmingham, 26-29 iunie 2011 (poster)	5
42.		Panaiotu, C.G., Constantin, S., Munteanu, C. , Petrea, C. Horoi, H. & Panaiotu, E.C.– <i>Climate oscillations in the Southern Carpathians during MIS3 recorded by cave sediments. 6th International Conference “Climate Change – The Karst Records”</i> , Birmingham, 26-29 iunie 2011 (poster)	5
43.		Schröder-Ritzrau, A., Winterhalder, S., Fohlmeister, J., Constantin, S. , Gerdes, A., Spötl, C., Bojariu, R. & Mangini, A. – A high-resolution speleothem record from Cloșani Cave, southern Carpathians (Romania). <i>6th International Conference “Climate Change – The Karst Records”</i> , Birmingham, 26-29 iunie 2011 (poster).	5
44.		Constantin, S. – A composite speleothem paleoclimate record for the last 400 ka from Romania. <i>XVIIIth INQUA Congress</i> , Berna, 20-27 iulie 2011.	5
45.		David, I. G., Matache, M. L., Tudorache, A. , Chisamera, G., Rozyłowicz, L. and Radu, G. L. – Food chain biomagnification of some heavy metals in samples from the Lower Prut Floodplain Natural Park”, <i>6th International Conference on Environmental Engineering and Management</i> , Balatonalmadi (Ungaria), 1 – 5 Septembrie 2011 (poster)	5
46.		Robu, M., Petculescu, A., Vlaicu, M., Munteanu, C.-M. , Panaiotu, C., Roban R.D., Doppes, D., Kenesz, M., Mirea, I., Moldovan, O.T., Constantin, S. – Advances in understanding the cave bear assemblage from the Urșilor Cave, Romania. <i>17th International Cave Bear Symposium</i> , 15-18 Septembrie 2011, Einhornhöhle (Unicorn Cave) (Harz, Germany) (poster).	5
47.		Meleg I. , Năpăruș, M., Fiers, F., Meleg, I.H. Vlaicu, M. & Moldovan O.T. – GIS as tool for predictive modelling of species distribution and conservation in the Carpathian Ecoregion: the case of copepods (Crustacea) in groundwater. <i>Aquatic Biodiversity International Conference</i> . Sibiu, (Romania) (poster).	5
48.		Munteanu, C.M., Vlaicu, M. , Panaiotu, C.G. & Toma, V. – Lithostratigraphy and Quaternary palaeohydrological constraints on the detrital sediments from the Polovragi Cave (Southern Carpathians, Romania). <i>XVIIIth INQUA Congress “Quaternary Sciences - the View from the Mountains”</i> , Bern (Switzerland) (poster) .	5
49.		Munteanu, C.M., Vlaicu, M. , Panaiotu, C.G., Robu, M., Terente, M.L., Toma, V. & Constantin, S. – Sedimentological features of the detrital deposits from the Peștera cu Oase (Banat Mountains, Romania), as Quaternary palaeoclimate proxies. <i>XVIIIth INQUA Congress “Quaternary Sciences - the View from the Mountains”</i> , Bern (Switzerland). (poster)	5
50.		Munteanu, C.M., Robu, M. , Roban, R.D., Petculescu, A., Vlaicu, M. , Soare, B., Panaiotu, C.G., Kenesz, M., Toma, V., Moldovan, O.T. & Constantin, S. – Multi-proxy research on the cave infilling deposits from the Urșilor Cave (Bihar Mountains, Romania) - an Upper Pleistocene	5

		climate archive. 28 th IAS Meeting of Sedimentology, Zaragoza (Spain) (poster).	
51.	Munteanu, C.M., Vlaicu, M., Robu, M., Panaiotu, C.G. & Constantin, S.	– Detrital sediments dynamics in the Cioclovina Uscată Cave (Șureanu Mountains, Romania) and Quaternary palaeoclimate oscillations as revealed by a multi-proxy approach. 28 th IAS Meeting of Sedimentology, Zaragoza. (Spain) (poster).	5
52.	Panaiotu, C.G., Constantin, S., Munteanu, C.M., Petrea, C., Horoi, V. & Panaiotu, E.C.	– Climate oscillations in the Southern Carpathians during MIS 3 recorded by cave sediments. 6 th International Conference “Climate Change: the Karst Record” (KR 6), University of Birmingham (United Kingdom) (poster).	5
53.	Robu M., Döppes D., Petculescu A., Panaiotu C., Vlaicu M., Drăgușin V., Kenesz M., Moldovan O.T. & Constantin S.	–Urșilor Cave (Apuseni Mountains, Romania) - an interdisciplinary project. <i>Tagung der Gesellschaft in Herne</i> , (Germany) (poster).	5
54.	Nastase-Bucur R., Borda D., Dragu A., Mulec J.	– „Airborne microorganism in organic rich caves and their relation to bat guano: case study from Romanian caves”, 19th International Karstological School „Classical Karst”, Postojna, Slovenia, 20-25th June 2011	
55.	Giurginca, A., Sustr, V., TAJOVSKI, K	– SEM description of the <i>Mesoniscus graniger</i> mouthparts- implications for the systematics of the family Mesoniscidae (Oniscidea, Crustacea). <i>The Third Annual Zoological Congress of “Grigore Antipa” Museum</i> , 23-25 November 2011, Bucharest, Romania (poster).	5
56.	Nițu, E., Nae, A., Băncilă, R., Popa, I., Giurginca, A., Plăiașu, R., Nae, I.	– Arthropod community structure and environmental correlates in the mesovoid shallow substratum (MSS) of scree habitat in the „Piatra Craiului” National Reserve. <i>The Third Annual Zoological Congress of “Grigore Antipa” Museum</i> , 23-25 November 2011, Bucharest, Romania	5
57.	Skolka, M., Cogălniceanu, D., Rozyłowicz, L., Bănică, G., Dragu, A., Tudor, M., Preda, C., Danyiar, M.	- Fauna of Jiu Gorges National Park. <i>The Third Annual Zoological Congress of “Grigore Antipa” Museum</i> , 23-25 November 2011, Bucharest, Romania	5
Total punctaj			285

Capitole în cărți monografice publicate în țară

1. **Decu, V. (cercet. asociat), Nițu, E.** – Ord. Coleoptera, p. 338-364. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
2. **Decu, V. (cercet. asociat)** – Nemertina, p. 149-151. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
3. **Decu, V. (cercet. asociat), Juberthie, C., Ilie, V** – Opiliones, p. 226-230. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
4. **Tabacaru, I (cercet. asociat)**– Crustacea, p. 230-233. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.

5. **Negrea, Șt. (cercet. asociat)** – Cladocera, p. 233-238. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
6. **Tabacaru, I. (cercet. asociat)** – Isopoda, p. 273-283. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
7. **Decu, V. (cercet. asociat)** – Decapoda. Astacidae, p. 284-287. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
8. **Tabacaru, I. (cercet. asociat)** – Symphyla, p. 287-289. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
9. **Tabacaru, I. (cercet. asociat)** – Diplopoa, p. 290-300. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
10. **Negrea, Șt. (cercet. asociat)** – Chilopoda, p. 301-310. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
11. **Decu, V. (cercet. asociat)** – Diplura, p. 323-326. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
12. **Decu, V. (cercet. asociat)** – Microcoryphia, p. 327-329. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
13. **Decu, V. (cercet. asociat)** – Heteroptera, p. 334-336. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
14. **Decu, V. (cercet. asociat)** – Psocoptera, p. 336-338. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
15. **Ursu, A., Gheorghiu, V.** – Diptera, p. 364-381. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
16. **Decu, V. (cercet. asociat)** – Hymenoptera. Terebrantia, p. 390-394. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.
17. **Gheorghiu, V., Giurginca, A.** – Chiroptera, p. 394-409. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. “Vasile Goldis” University Press, 409 p., 2011.

Cărți publicate în edituri din țară

1. Stoian I., Gaman L., Gîlcă M., **Hillebrand M.A.**, Panait E., Vârgolici B. – *Practical Guide Of Biochemistry*, Revised edition, Ed. Universitară C. Davila, ISBN 9789737085702
2. **Povara, I.** - Bazinul hidrografic al Cernei. Editura Academiei de Științe Tehnice (ASTR), Ed. AGIR, 245 p, 91 fig., 49 tabele, 10 foto, 4 planșe color (sub tipar)

Anexa 2

Domenii de cercetare

- Biospeologie și Edafobiologie
- Geospeologie și Carstologie
- Geocronologie și Paleontologie
- Ecologie și Protecția mediului carstic
- Managementul vulnerabilității carstului

Anexa 3

Resurse umane : cercetători, doctori, conducători de doctorate

Structura personalului Institutului de Speologie „Emil Racoviță” la sfârșitul anului 2011, este prezentată în tabelul 1.

Tabel 1

POSTURI	București		Cluj		Total posturi
	Cu studii superioare	Fără studii superioare	Cu studii superioare	Fără studii superioare	
Cercetare (inclusiv asistenți, bibliotecar și cartograf)	25	6	8	1	40
Administrativ, din care:	1	5	–	–	6
Contabil 1A	–	1	–	–	1
Economist I	1	–	–	–	1
Asistent I	–	1	–	–	1
Referent I	–	1	–	–	1
muncitori	–	2	–	–	2
TOTAL PERSONAL	46				

Structura pe grade de cercetare este prezentată în tabelul 2

Tabel 2

	Gradul științific	București	Cluj	Total Institut	
				Nr.	%
1	Cerc. Șt. I	5	1	6	18,75
2	Cerc. Șt. II	3	2	5	15,62
3	Cerc. Șt. III	6	4	10	31,25
4	Cerc. Șt.	5	1	6	18,75
5	ACS	5	–	5	15,63
		24	8	32	100
6	Bibliotecar	1	–	1	
7	Cartograf	1	–	1	
8	Asistent	5	1	6	

Număr total doctori: 24

Număr doctoranzi: 7

Conducători doctorate: Dr. Ionel Tabacaru (2 doctoranzi), Dr. Oana Moldovan (3 doctoranzi), Dr. Bogdan Onac (2 doctoranzi).

Formare de tineri cercetători: doctoranzi, post-doctorat

În anul 2011 în Institutul de Speologie au activat **23 doctori**, iar unul a susținut teza de doctorat în noiembrie 2011. La aceștia se adaugă **7 doctoranzi** dintre care 2 se află în faza finală de redactare a tezei.

4.1.1. Teze susținute public în anul 2011

Băncilă, R. - *Noi metode de monitoring si inventariere. Facultatea de Științele Naturii și Științele Agricole, Univ. Ovidius.*

4.1.2. Teze doctorat aflate în faza finală de redactare

Vlaicu M. – *Relații morfogenetice între regiuni carstice situate diferit față de catena carpatică. Studiul de caz: bazinul hidrografic al Jiului, Facultatea de Geografie, Universitatea București.*

Munteanu, C. – *Dinamica sedimentelor clastice în mediul speleic sub controlul oscilațiilor climatice cuaternare, Facultatea de Geologie și Geofizică, Universitatea București.*

4.2. Burse doctorale și stagii postdoctorale

Dr. Băncilă, R – *bursă Martin la Centrul Olandez de Biodiversitate Naturalis (fostul Muzeu de Istorie Naturală, Naturalis), Leiden, Olanda. Tema proiectului de cercetare: Molecular genetic variation in Triturus newts*

Dr. Iepure, S. – **POSDRU**, Programe postdoctorale pentru dezvoltare durabilă într-o societate bazată pe cunoaștere, Universitatea „Babeș-Bolyai” Cluj-Napoca, *Ansamblul de ostracode lacustre - arhive in reconstructia paleoclimatului in ultimii 150.000 de ani in Romania.*

Dr. Vereș, D. – Proiect POSDRU la Universitatea Babeș-Bolyai: **Cercetari multidisciplinare privind evolutia climei, poluarea si protectia mediului: Geochimia si geocronologia nivelurilor de cenusi vulcanice intercalate in depozite sedimentare lacustre si loessice din Romania in ultimii 150,000 ani**

Dr. Brad, T. – Proiect POSDRU/89/1.5/S/60189 Program „Biotehnologii cu aplicații industriale și medicale”, Proiect individual de cercetare „Biotehnologii cu aplicații în conservarea resurselor naturale. Biodegradarea microbiană a poluanților apelor subterane”

Dr. Tudorache, A. – PROIECT PNII-RU-PD: “**Aplicarea tehnicilor DGT/DET în studiul migrării unor elemente în zona amplasamentului viitorului depozit de deșeuri radioactive Saligny**” perioada 2011 – 2013; Nr. Contract: 4/25.10.2011; Beneficiar: UEFISCDI;

Dr. Plăiașu, R - Grant CNCS – UEFISCDI PN-II-RU-PD-2011-3-0088 / contract nr. 1/25.10.2011: Factori ce influențează utilizarea habitatelor de către comunitățile de opilionide (Arachnida: Opiliones) în Geoparcul Platoul Mehedinți.

Mijloace de cercetare realizate/completate în 2011: echipamente de cercetare cu valori mai mari de 10 000 Euro

Baza materială s-a ameliorat ca urmare a derulării în cadrul Institutului a numeroase programe și proiecte de cercetare obținute de către cercetători. Laboratoarele sunt dotate cu aparatură de cercetare performantă, majoritatea de ultimă generație, care asigură posibilități superioare de investigare.

Pentru modernizarea bazei materiale a Laboratorului de datări a fost achiziționat în anul 2011 un **analizor carbon organic** în valoare de 13250 Euro și un **sistem de combustie și preparare probe pentru analize** în valoare de peste 7 000 Euro.

Anexa 6

Listă lucrări publicate și participare la manifestări internaționale în cadrul programelor de cercetare ale Academiei Române

PROGRAMUL 1 STRUCTURA, EVOLUȚIA ȘI VALOAREA DE PATRIMONIU A COMPONENTELOR MEDIULUI CARSTIC

Durata 2011-2015

Coordonator: **Dr. Ioan POVARĂ**, CS I

PROIECTUL 1 DIVERSITATEA SPECIFICĂ, ADAPTĂRI SPAȚIO-FUNCȚIONALE ȘI EVOLUȚIA FAUNEI DIN MEDIILE CARSTICE.

Durata 2011-2015

Coordonator: **Dr. Eugen NIȚU**, CSII

Lucrări publicate în cadrul proiectului și participări la manifestări științifice

Dragu, A., Borissov, I. – Low genetic variability of *Rhinolophus mehelyi* (Mehely's horseshoe bat), in Romania. *Acta Theriologica*, **56(4)**: 383-387. DOI: 10.1007/s13364-011-0043-z

Decu, V. (cercet. asociat), Nițu, E. – Ord. Coleoptera, p. 338-364. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. "Vasile Goldis" University Press, 409 p., 2011.

Gheorghiu, V., Giurginca, A. – Chiroptera, p. 394-409. In: *Diversitatea lumii vii. Domeniul subteran, Vol IV*, Coord. Stoica Godeanu. "Vasile Goldis" University Press, 409 p., 2011.

Nițu, E., Popa, I., Giurginca, A. – Invertebrate fauna (Coleoptera, Collembola, Diplopoda, Isopoda) collected in the karst areas of the Aninei-Locevei Mountains. *Travaux de l'Institut de Spéologie "Emile Racovitza"*, 50:15-36.

Nițu, E., Nae, A., Băncilă, R., Popa, I., Giurginca, A., Plăiașu, R., Nae I. – Arthropod community structure and environmental correlates in the mesovoid shallow substratum (MSS) of scree habitat in the „Piatra Craiului” National Reserve. *The Third Annual*

Zoological Congress of "Grigore Antipa" Museum, 23-25 November 2011, Bucharest, Romania

- Giurginca, A.**, Sustr, V., TAJOVSKI, K – SEM description of the *Mesoniscus graniger* mouthparts- implications for the systematics of the family Mesoniscidae (Oniscidea, Crustacea). *The Third Annual Zoological Congress of "Grigore Antipa" Museum, 23-25 November 2011, Bucharest, Romania* (poster).
- Skolka, M., Cogălniceanu, D., Rozyłowicz, L., Bănică, G., **Dragu, A.**, Tudor, M., Preda, C., Danyiar, M. - Fauna of Jiu Gorges National Park. *The Third Annual Zoological Congress of "Grigore Antipa" Museum, 23-25 November 2011, Bucharest, Romania*
- Nae, A** - Studii asupra comunităților de aranee din masivul Piatra Craiului (comunicare). Sesiunea Națională de Comunicări Științifice "Ecosinteze și etnosinteze carpatine" a Muzeului Județean Argeș.
- Popa, I.** - Date privind fauna de colebole din Rezervatia forestiera Mociar. Prima semnalare a speciei *Isotomurus unifasciatus* (Borner, 1901) in Romania. Sesiunea Națională de Comunicări Științifice "Ecosinteze și etnosinteze carpatine" a Muzeului Județean Argeș.

PROIECTUL 2

STUDII PALEOCLIMATICE, PALEOGEOGRAFICE ȘI PALEONTOLOGICE PE BAZA DEPOZITELOR DIN PEȘTERI ȘI ZONE CARSTICE

Durata 2011-2015

Coordonator: **Dr. Silviu CONSTANTIN, CS I**

Lucrări publicate în cadrul proiectului și participări la manifestări științifice

- Moldovan, O.T.**, Mihevc, A , Miko, L , **Constantin, S** , **Meleg, I.N.**, **Petculescu, A.**, Bosak, P - Invertebrate fossils from cave sediments: a new proxy for pre-Quaternary paleoenvironments. *Biogeosciences*, **8 (7)**: 1825-1837. DOI: 10.5194/bg-8-1825-2011
- Moldovan O.T.**, **Meleg I.N.**, Epure L., Panaiotu C., Mihevc A., **Constantin S.** – Invertebrate fossils found in cave sediments as proxies for Pliocene/Pleistocene environments. *XVIII INQUA-Congress*, 21-27 July 2011 in Bern, Switzerland
- Dragusin, V.**, Hoffmann, D., **Onac, B.P.**, Isverceanu, E. –MIS 3 Climate Variability Revealed by Two Stalagmites from Northern and South-Western Romania (poster), *AGU Fall Meeting*, San Francisco (December 4-9, 2011)
- Dragusin, V.**, Hoffmann, D., **Onac, B.P.**, Ersek, V., **Veres, D.** – A MIS 3 stable isotope record from Peștera Ascunsă, Romania – implications for understanding regional climate dynamics at the time of early modern human migration into Europe. In *Abstract book of the XVIII INQUA-Congress Quaternary sciences*.
- Dragusin, V.**, Hoffmann, D., Ersek, V., **Veres, D.** – From Mid-Holocene to Present: a Speleothem Climate Record from SW Romania. *Abstract book, Climate Change: The Karst Record – VI*.
- Lauritzen, S.E., **Constantin, S.**, **Onac, B.P.** – Climatic information from diagenetic calcite crystals in a subarctic cave., *6th International Conference "Climate Change – The Karst Records"*, Birmingham, 26-29 iunie 2011 (poster)
- Schröder-Ritzrau, A., Winterhalder, S., Fohlmeister, J., **Constantin, S.**, Gerdes, A., Spötl, C., Bojariu, R. & Mangini, A. – A high-resolution speleothem record from Cloșani Cave, southern Carpathians (Romania). *6th International Conference "Climate Change – The Karst Records"*, Birmingham, 26-29 iunie 2011 (poster).
- Constantin, S.** – A composite speleothem paleoclimate record for the last 400 ka from Romania. *XVIIIth INQUA Congress*, Berna, 20-27 iulie 2011.

PROIECTUL 3

STUDIUL TRANSFERULUI UNOR CONTAMINANȚI ÎNTRE FAZA DIZOLVATĂ, SUSPENSII ȘI SEDIMENTE ÎN CADRUL HIDROSTRUCTURILOR CARSTICE DE TIP CARBONATIC

Durata 2011-2015

Coordonator: **Dr. Constantin MARIN**, CS I

Lucrări publicate în cadrul proiectului și participări la manifestări științifice

Tudorache, A., Marin, C., Badea, I. A., Vladescu, L. – Determination of arsenic content of some Romanian natural mineral groundwaters. *Environmental Monitoring and Assessment*, **173(1-4)**: 79 – 89.

Ponta, Gh., **Povara, I.**, Isverceanu, E.G., **Onac, B.P., Marin C., Tudorache, A.** – Geology and dynamics of underground waters in Cerna Valley / Băile Herculane (Romania). *Book of Abstracts The 12th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst*, 10-14 January 2011, St. Louis, Missouri,

David, I. G., Matache, M. L., **Tudorache, A.**, Chisamera, G., Rozyłowicz, L. and Radu, G. L. – Food chain biomagnification of some heavy metals in samples from the Lower Prut Floodplain Natural Park”, *6th International Conference on Environmental Engineering and Management*, Balatonalmádi (Ungaria), 1 – 5 Septembrie 2011 (poster)

PROIECTUL 4

EVALUAREA VULNERABILITĂȚII CARSTULUI DIN ROMÂNIA

Durata 2011-201

Coordonator: **Drd. Marius VLAICU**, CS III

Lucrări publicate în cadrul proiectului și participări la manifestări științifice

Robu, M., Petculescu, A., Vlaicu, M., Munteanu, C.-M., Panaiotu, C., Roban R.D., Doppes, D., Kenesz, M., Mirea, I., Moldovan, O.T., Constantin, S. – Advances in understanding the cave bear assemblage from the Urșilor Cave, Romania. *17th International Cave Bear Symposium*, 15-18 Septembrie 2011, Einhornhöhle (Unicorn Cave) (Harz, Germany) (poster).

Meleg I., Năpăruș, M., Fiers, F., Meleg, I.H. Vlaicu, M. & Moldovan O.T. – GIS as tool for predictive modelling of species distribution and conservation in the Carpathian Ecoregion: the case of copepods (Crustacea) in groundwater. *Aquatic Biodiversity International Conference*. Sibiu, (Romania) (poster).

Munteanu, C.M., Vlaicu, M., Panaiotu, C.G. & Toma, V. – Lithostratigraphy and Quaternary palaeohydrological constraints on the detrital sediments from the Polovragi Cave (Southern Carpathians, Romania). *XVIIIth INQUA Congress “Quaternary Sciences - the View from the Mountains”*, Bern (Switzerland) (poster) .

Munteanu, C.M., Vlaicu, M., Panaiotu, C.G., Robu, M., Terente, M.L., Toma, V. & Constantin, S. – Sedimentological features of the detrital deposits from the Peștera cu Oase (Banat Mountains, Romania), as Quaternary palaeoclimate proxies. *XVIIIth INQUA Congress “Quaternary Sciences - the View from the Mountains”*, Bern (Switzerland). (poster)

Munteanu, C.M., Robu, M., Roban, R.D., Petculescu, A., Vlaicu, M., Soare, B., Panaiotu, C.G., Kenesz, M., Toma, V., Moldovan, O.T. & Constantin, S. – Multi-proxy research on the cave infilling deposits from the Urșilor Cave (Bihar Mountains, Romania) - an Upper Pleistocene climate archive. *28th IAS Meeting of Sedimentology*, Zaragoza (Spain) (poster).

Munteanu, C.M., Vlaicu, M., Robu, M., Panaiotu, C.G. & Constantin, S. – Detrital sediments dynamics in the Cioclovina Uscată Cave (Șureanu Mountains, Romania) and Quaternary palaeoclimate oscillations as revealed by a multi-proxy approach. *28th IAS Meeting of Sedimentology*, Zaragoza. (Spain) (poster).

PROIECTUL 5

MODIFICARILE FIZICE, CLIMATICE SI ANTROPICE REFLECTATE IN DEPOZITELE SI ECOSISTEMELE CARSTICE DIN NV-UL ROMANIEI

Durata 2011-2015

Coordonator: **Dr. Bogdan ONAC, CS II**

Lucrări publicate în cadrul proiectului și participări la manifestări științifice

- Feurdean, A.,** Perșoiu A., Pazdur A., **Onac, B.P.** --Evaluating the palaeoecological potential of pollen recovered from ice in caves: a case study from Scărișoara, Romania. *Review of Palaeobotany and Palynology*, **165**: 1-10; doi: 10.1016/j.revpalbo.2011.01.007.
- Feurdean, A., Tămaș, T.,** Tanțău, I., Fărcaș, S. – Elevational variation in regional vegetation responses to late-glacial climate changes in the Carpathians. *Journal of Biogeography*, doi:10.1111/j.1365-2699.2011.02605.x
- Iepure, S.,** Oarga, A. – A new *Acanthocyclops* Kiefer, 1927 (Copepoda, Cyclopida) from caves in north-western Romania. *Annales Zoologici*, **61 (2)**: 427-438
- Meleg, I. N., Moldovan, O. T., Iepure, S.,** Fiers, F., **Brad, T.** – Diversity patterns of fauna from dripping water in caves from Transylvania. *International Journal of Limnology*, **47**: 185-197.
- Moldovan, O. T.,** Levei, E., **Marin, C.,** Banciu, M., Banciu, L., H., Pavelescu, C., **Brad, T.,** Cîmpean, M., **Meleg, I., Iepure, S., Povară, I.** – Spatial distribution patterns of the hyporheic invertebrate communities in a polluted river in Romania. *Hydrobiologia*, **669**: 63-82.
- Vișan, I., **Tămaș, T.** – Mineralogy of caves from Dealul Popii (Rodnei Mountains, N. Romania). *Proceedings of the 7th Symposium on Karst Protection*, 21.05., Bela Palanka, Serbia, p. 7 – 8
- Geantă, A. D., Tanțău, I., **Tămaș, T.** – MCA, LIA and human impact recorded by the vegetation of NW Romania - palynological analysis of a 800 years old bat guano deposit. PAGES Workshop, Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene, Suceava, 9-12.06., Abstracts volume, p. 41 - 44. (extended abstract)
- Borda, D., Racoviță, Gh.** – Données thermométriques relatives à l'atmosphère de la grotte Poarta lui Ionel (Monts du Bihor, Roumanie). *Travaux de l'Institut de Spéologie "Emile Racovitza"*, **50**: 77-86. (nternațională)
- Tămaș, T.,** Kristály, F., Barbu-Tudoran, L. –Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). *International Journal of Speleology*, **40 (2)**:171-179.
- Tămaș, T., Onac, B.P.** – Stable isotope variations between 59-46 kyr BP recorded in a stalagmite from NW Romania. PAGES Workshop, *Climate change in the Carpathian – Balkan region during the Late Pleistocene and Holocene*, Suceava, 9-12.06., Abstracts volume, p. 38

Cooperări științifice naționale și internaționale, inclusiv în proiecte (cu indicarea numărului de proiect și a partenerilor). Oaspeți din străinătate.

COLABORĂRI INTERNE

- ❖ Administrația Națională Apele Române, Direcția Apelor Someș–Tisa
- ❖ Administrațiile Parcurilor Apuseni, Grădiște-Cioclovina, Cerna–Domogled, Munții Rodnei, Buila Vânturarița
- ❖ Administrația Națională de Meteorologie
- ❖ Agenția pentru Protecția Mediului, Bihor
- ❖ Asociația pentru Protecția Liliiecilor din România
- ❖ Centrul de Biologie Moleculară, Inst. de Cercetări Interdisciplinare în Bio-Nano-Științe
- ❖ Centrul de Microscopie Electronică, UBB Cluj Napoca
- ❖ Grupul de Explorări Subacvatice și Subterane, București
- ❖ Institutul de Biochimie, București
- ❖ Institutul de Biologie, București
- ❖ Institutul de Cercetări Biologice, Cluj–Napoca
- ❖ Institutul de Cercetări și Amenajări Silvice, București
- ❖ Institutul de Cercetări pentru Pedologie și Agrochimie, București
- ❖ Institutul de Geografie
- ❖ Institutul de Tehnologie
- ❖ Ministerul Mediului, București
- ❖ Ministerul Turismului, București
- ❖ Muzeul de Istorie Naturală *Gr. Antipa*, București
- ❖ Universitatea Babeș–Bolyai, Catedra de Geologie, Catedra de Fizică.
- ❖ Universitatea Babeș–Bolyai, Facultatea de Biologie–Geologie
- ❖ Universitatea București, Facultatea de Fizică
- ❖ Universitatea Politehnică, Catedra de Chimie-Fizică
- ❖ Universitatea Ovidius Constanța
- ❖ Universitatea din Suceava
- ❖ Universitatea Valahia din Târgoviște
- ❖ Universitatea București, Laboratorul de paleomagnetism
- ❖ Universitatea de Științe Agricole și Medicină Veterinară Cluj, Facultatea de Medicină Veterinară, Dept. Igiena și Protecția mediului

COLABORARI EXTERNE

- ❖ CNRS, Univ. Lyon 1, Laboratoire d'Ecologie des Hydrosystèmes Naturels et Anthropisés, **France**
- ❖ Department of Geology and Paleontology, Karl–Franzens University, Graz, **Austria**
- ❖ Department of Zoology and Ecology, Faculty of Science, University of Navarra, Pamplona, **Spain**
- ❖ Department of Geologie, Universitatea New Mexico, Albuquerque, **Mexic**
- ❖ Dept. of Biology, Portland State Univ., OR, **SUA**
- ❖ Departamentul de Științe Biologice ale Universității din Warwick, **Anglia**
- ❖ Dept. de Geologie, Universitatea New Mexico, Albuquerque, **SUA**
- ❖ Dept. of Biology, Biotechnical Faculty, Univ. of Ljubljana, **Slovenia**
- ❖ European Comission, DG Environment, Brussels, **Belgia**
- ❖ European Topic Center

- ❖ Facultatea de Științe, Departamentul de Biologie și Ecologie, Novi Sad
- ❖ Georg-August-Univ. Gottingen, Courant Research Centre Geobiology, Gottingen, **Germany**
- ❖ HAS-NHMUS Research Group for Paleontology, Budapest, **Hungary**
- ❖ Institute for Karst Research, Sarajevo, **Bosnia & Hercegovina**
- ❖ Institute of Zoology, Mainz, **Germany**
- ❖ Institute of Biology and Ecology Faculty of Sciences, Pavol Jozef Safarik University
- ❖ Institutul de Biologia Solului Ceske Budejovice, **Cehia**
- ❖ Institutul de Zoologie, Belgrad, **Serbia**
- ❖ Johannes Gutenberg–Universitaet, Institut für Zoologie, Abteilung Oekologie, Mainz, **Germany**
- ❖ Institutul Max Planck pentru biologie evolutionistă, Leipzig, **Germany**
- ❖ Institutul pentru Fizica Mediului, Acad. de Științe din Heidelberg, **Germany**
- ❖ Institutul Elvetian de Speologie, **Elveția**
- ❖ Institute de Science de la mer, UQAR, **Canada**
- ❖ Institutul de Geologie, Mineralogie și Geofizica, catedra de Sedimente și Geologie Izotopică, Univ. Ruhr, Bochum, **Germany**
- ❖ Karst Research Institute, Postojna, **Slovenia**
- ❖ Scientific Research Centre of the Slovenian Academy of Sciences and Arts, **Slovenia**
- ❖ Forschungsinstitut und Naturmuseum , Frankfurt und Main, **Germany**
- ❖ Museo Nacional de Ciencia Naturales, **Spania**
- ❖ Museu Valencia d'Historia Natural, Fundación Entomológica, Valencia, **Spania**
- ❖ Museum and Institute of Zoology, **Bulgaria**
- ❖ Museum and Institute of Zoology, **Polonia**
- ❖ Muséum National d'Histoire Naturelle, **Franța**
- ❖ Muzeul de Științe ale Naturii, Stuttgart, **Germany**
- ❖ Muzeul de Istorie Naturală, Leiden, **Olanda**
- ❖ Muzeul de Stiinte Naturale din Budapesta, **Ungaria**
- ❖ Mammal Research Institute, Polish Academy of Sciences, **Poland**.
- ❖ Research Centre of the Slovenian Academy of Sciences and Arts (SRC SASA)/ **Slovenia**
- ❖ Royal Belgian Institute of Natural Sciences, Bruxelles, **Belgia**
- ❖ Soil Research Institute, Kosice, **Slovacia**
- ❖ Swiss Institute of Speleology and Karstology, **Elveția**
- ❖ Universität Trier, Fachbereich VI, Biogeographie, Trier, **Germany**
- ❖ University College Dublin, **Irlanda**
- ❖ University of Bremen, **Germany**
- ❖ University of Oxford, **Marea Britanie**
- ❖ Carlo Bo University, Urbino, **Italy**
- ❖ Universidad Autonoma de Madrid, **Spania**
- ❖ Universita degli Studi dell'Aquila, **Italia**
- ❖ Universitatea Bayreuth, **Germany**
- ❖ University of Stockholm, **Suedia**
- ❖ University of Bergen, **Norvegia**
- ❖ University of Balearic Islands, Palma de Mallorca, **Spain**
- ❖ University of Koln, **Germany**
- ❖ University of Rimouski, Quebec, **Canada**
- ❖ University of Ljubljana, **Slovenia**
- ❖ University of Natural Resources and Applied Life Sciences, Department of Civil Engineering and Natural Hazards, Institute of Applied Geology, Viena, **Austria**
- ❖ University of South Florida, **SUA**
- ❖ University of Viena, **Austria**
- ❖ University of Gdansk, Department of Genetics, **Polonia**

8.1. Proiecte în colaborare

Proiect în colaborare bilaterala interacademica (2010-2012) – *Reconstrucții de paleomedii pe baza depozitelor speleale și lacustre din Polonia și România*”. Responsabil: dr. S. Constantin.

1. PN-II-ID-PCE-2011-3-0145: *Holocene tree line and timberline changes in northern Carpathians - a key approach for understanding the sensitivity of upper mountains environment* (responsabil Dr. A. Feurdean, colaborator Dr. S. Iepure)
2. CSIC, CGL2009-08943 (2009-2012) – *The scientific nature of the taxonomic hypothesis: Visualization and representations*. Proiect, Museo Nacional de Ciencias Naturales, Madrid, Spania (responsabil Dr. Antonio Valdecasas, colaborator Dr. S. Iepure)
3. Proiect POSDRU/89/1.5/S/60189 „*Ansamblul de ostracode lacustre - arhive in reconstructia paleoclimatului in ultimii 150.000 de ani in Romania*” (bursă postdoctorală Dr. S. Iepure)
4. Proiect internațional National Science Foundation, USA (2008-2011) – *Northern Annular Mode (NAM) Variability during the Little Ice Age and Medieval Warm Period in a Cave Ice Core Record from Northwestern Romania* (director proiect Dr. B. Onac)
5. PN-II-RU-TE-2011-3-0062 (2011-2013) – *Dating the Romanian part of the European Loess Belt using luminescence methods* (responsabil Dr. Gabor-Timar, Universitatea Babes-Bolyai, Cluj, colaborator ISER Dr. D. Vereș)
6. POSDRU/89/1.5/S/60189 - III. – *Cercetari multidisciplinare privind evolutia climei, poluarea si protectia mediului: Geochimia si geocronologia nivelurilor de cenusi vulcanice intercalate in depozite sedimentare lacustre si loessice din Romania in ultimii 150,000 ani* (bursa postdoctorală Dr. D. Veres)
7. PAADO (The Potrok Aike Maar Lake Sediment Archive Drilling Project), (PI: B. Zolitschka, Universitatea din Bremen, Germania) (colaborator Dr. D. Vereș)
8. Proiect POSDRU/89/1.5/S/60189 Program „*Biotehnologii cu aplicații industriale și medicale*”, Proiect individual de cercetare „*Biotehnologii cu aplicații în conservarea resurselor naturale. Biodegradarea microbiană a poluanților apelor subterane*” (bursă postdoctorală Dr. T. Brad)
9. HURO/0801 *Program de Cooperare Transfrontaliera Ungaria-Romania 2007-2013* (colaborator Rajka Geza)
10. HURO/0801/047 *Cercetări științifice legate de starea și hidrogeologia corpurilor de ape subterane transfrontaliere din bazinul Crișurilor (Bihar-Bihor)* (colaborator Rajka Geza)
11. PN-II-ID-PCE-2011-3-0742 - *Biodiversity and chronological distribution of microorganisms in perennial ice deposits from Scarisoara Ice Cave (Romania)*, (responsabil Dr. Cristina Purcărea, Institutul de Biologie, București, colaborator ISER Dr. A. Hillebrand)
12. NERC NE/G017956/1 (2010 – 2013) – *Microbial food webs in Movable Cave* (responsabil proiect: Prof. Colin Murrell, Universitatea din Warwick, Marea Britanie, colaborator ISER Dr. A. Hillebrand).
13. Proiect bilateral România-Slovenia, nr. 374 / 26.04.2010 contractat prin ANCS. Responsabil din partea Română: Dr. D. Borda și Drd. Dragu Anca)
14. Proiect PN II – “BLUEBOXSENS (2008-2011) – *Construirea și caracterizarea unor senzori moleculari pe bază de derivați ai ciclobis (paraquat-p-fenilen) utilizați în detecția și identificarea factorilor locali generatori de crize (substanțe periculoase și prioritar periculoase)*. (Colaborator Dr. Alin Tudorache). Coordonator: Universitatea din Bucuresti; Parteneri: Institutul de Speologie Emil Racovita al Academiei Romane; Institutul National

de Cercetare Dezvoltare pentru Stiinte Biologice- Bucuresti; Institutul National de Cercetare – Dezvoltare pentru Biologie si Nutritie Animala –IBNA Balotesti

15. ***Comparative phylogeography in two obligate cave beetle species from Romania based on mt DNA***, Universitatea Potsdam, Germania, prof. Ketmaier Valerio, cooperare initiata in 2011 si care se va materializa intr-un stagiul de cercetare in perioada 12.01.-09.02.2012 (colaborator ISER Dr. R. Bucur)

Contracte realizate de cercetătorii din ISER

1. ID_544 – ***Identificarea pesterilor hipogene de pe Valea Cernei cu ajutorul analizelor de izotopi stabili***. Responsabil Dr. B.P. Onac, Valoare: 299.000 lei
2. PCCE – IDEI 31/2010 – ***Arhive climatice în carst - o abordare integrată pentru studierea și modelarea oscilațiilor climatice rapide***. Resp. Dr. S. Constantin, Valoare: 1.690.000 RON
3. PN-II-ID-PCE-2011-3-0588 (2011-2014) – ***Reconstituiri de paleomediul pe baza analizelor de izotopi stabili efectuate pe depozitele de guano din pesteri***. Responsabil Dr. B. P. Onac, Valoare: 1.429.657 lei
4. Grant CNCS – UEFISCDI PN-II-RU-PD-2011-3-0088 / contract nr. 1/25.10.2011: ***Factori ce influențează utilizarea habitatelor de către comunitățile de opilionide (Arachnida: Opiliones) în Geoparcul Platoul Mehedinți***. Responsabil Dr. R. Plăiașu
5. PROIECT PNII-RU-PD/ Contract: 4/25.10.2011–***Aplicarea tehnicilor DGT/DET în studiul migrării unor elemente în zona amplasamentului viitorului depozit de deșeuri radioactive Saligny***. Responsabil Dr. A. Tudorache.
6. Proiect PN II Contract: 32112/01.10.2008-2011 – ***MIGRELEMENT - Studiul migrării unor elemente în structurile acvifere din zona amplasamentului viitorului depozit final de deșeuri slab și mediu active Saligny***” Echipa de cercetare: Coordonator: Institutul de Speologie Emil Racovita al Academiei Romane; Parteneri: Universitatea din Bucuresti; Institutul de Geodinamica “Sabba S. Stefanescu” al Academiei Romane. Responsabil Dr. C. Marin.
7. Contract nr. 2/2010 – ***Cartarea habitatelor cavernicole și evaluarea stării de conservare a speciilor de chiroptere din cele mai importante pesteri din parc (Buila-Vânturarița) și din unele ecosisteme forestiere***. Responsabil Dr. A. Petculescu. Valoare 30000 lei
8. Contract nr. 273/14.10.2011 – ***Studiu de fezabilitate – Modernizarea circuitului de vizitare, Peștera Polovragi (județul Gorj)***. Responsabil. Drd. M. Vlaicu. Valoare 10000 lei
9. Contract nr. 299/08.11.2011 – ***Studiu de fezabilitate – Modernizarea circuitului de vizitare, Peștera Muierii (județul Gorj)***. Responsabil. Drd. M. Vlaicu. Valoare 15000 lei
10. Proiect PN II Contract: 31032/2007-2010 – ***MODEL ACVASUB - Modelarea impactului metalelor grele asupra acviferelor prin studiul complex al faunei acvatice subterane și monitorizare în sistem GRID***. Echipa de cercetare: Coordonator: Institutul de Speologie Emil Racovita al Academiei Romane - Filiala Cluj-Napoca; Parteneri: Institutul de Speologie Emil Racovita al Academiei Romane – Filiala Bucuresti; Institutul de Cercetari pentru Instrumentatie Analitica – Cluj Napoca; Universitatea Babes-Bolyai; E5Invent SRL Timisoara.
11. Proiect international „DAPHNE II” – ***Dated speleothems archives of the past*** (finantat de DFG – Germania). Responsabil Dr. S. Constantin.

Contracte cu terți

1. Contract nr.1433/30.09.2010 – ***Scufundări cu scafandru autonom la C.H.E. Tileagd***. Responsabil R. Geza, valoare 4.000 lei.
2. Contract nr.1550/04.10.2010 – ***Scufundări cu scafandru autonom la C.H.E. Tileagd***. Responsabil R. Geza, valoare 5.000 lei.
3. Contract nr.456/21.03.2011 – ***Scufundări cu scafandru autonom la C.H.E. Gilău I***. Responsabil R. Geza, valoare 2.000 lei.

4. Contract nr.600/08.04.2011 – *Scufundări cu scafandru autonom la C.H.E. Floresti I.*
Responsabil R. Geza, valoare 2.000 lei.
5. Contract nr.671/21.04.2011 – *Scufundări cu scafandru autonom la C.H.E. Lugașu.*
Responsabil R. Geza, valoare 2.000 lei.

8.2. Oaspeți care au vizitat Institutul de Speologie Emil Racoviță

Prof. Colin Murrell, dr. Rich Boden, drd. Daniella Wischer, drd. Jason Stephenson –
Universitatea din Warwick, Marea Britanie

Dr. Alena Nováková, Dr. Karel Tajovsky și Dr. Vaclav Pizl (directorul institutului),
Institute of Soil Biology, České Budějovice, Cehia.

dr. Michal Gasiorowski, Institutul de Geologie al Academiei Polone de Științe (proiect
interacademic).

Dr. Florian Mermillod-Blondin, Dr. Florian Mallard, Dr. Christophe Douady,
Laboratoire d'Ecologie des Systemes Naturels et Anthropiques, Lyon

Dr. Janez Mulec, Karst Research Institute, Postojna, Slovenia

Anexa 9

Conferințe, sesiuni științifice organizate de ISER

Organizare seminare

12 Aprilie 2011 - *New Insights on Mobile Cave: Nitrogen and Carbon Cycling. Lectures invited:* drd. Daniella Wischer și drd. Jason Stephenson, Universitatea din Warwick, Marea Britanie

19 Septembrie 2011 - *Insights on Cave Microorganisms.* Lectures invited: dr. Alena Nováková, dr. Karel Tajovsky și dr. Vaclav Pizl, Institute of Soil Biology, České Budějovice, Cehia

Membri în colective editoriale ale unor reviste ISI din Romania/strainatate.

Dr. Oana Moldovan - membra in colectivul de redactie al *Subterranean Biology*
- referent pentru *Subterranean Biology, Diversity and Distribution, Climate Change Biology*

Dr. Bogdan Onac - membru in Comitetul Editorial al revistelor *Acta Carsologica* si
International Journal of Speleology
- Guest Editor al volumului *CAVE MINERALS* din International Journal of Speleology (ISI IF = 2.05)
- Reviewer pentru: International Journal of Speleology, Acta Carsologica, Cryosphere, Carbonates & Evaporites, Environmental Geology, Isotope in Environment and Health Studies, Acta Spectroscopica.

Dr. Tudor Tamaș - Reviewer pentru: International Journal of Speleology

Dr. Daniel Veres – Editor (Invited editor) la Quaternary International pentru volumul
“Climate Change in the Balkan-Carpathian region during the Late Pleistocene & Holocene” (2011-2012)

- Coordonator PAGES pentru Romania
- Coordonator BBS pentru Romania