

A C A D E M I A R O M Â N Ă
INSTITUTUL DE SPEOLOGIE EMIL RACoviŢĂ

R A P O R T D E A C T I V I T A T E
pentru anul 2013

PRESEDINTELE
CONSILIULUI ŢTIINŢIFIC

Director, Dr. Ioan Povară

BUCUREŞTI, decembrie 2013

DOMENII DE ACTIVITATE

Biospeologie si Edafobiologie
Geospeologie si Carstologie
Geocronologie si Paleontologie
Ecologie si Protectia mediului carstic
Managementul vulnerabilitatii carstului

RESURSE UMANE

2.1. Doctorantură

În anul 2013, în Institutul de Speologie au activat un număr de **33 cercetători** dintre care **27 doctori**, **4 doctoranzi** în faze diferite de realizare a tezei, iar **2** au susținut masteratul.

2.2. Conducători de doctorat: 3

Dr. O. T. Moldovan, CS I, conducător doctorat în cadrul Academiei Române

Dr. I. Tabacaru, CS I (cercetător asociat), conducător doctorat în cadrul Academiei Române (2 doctoranzi)

Dr. Bogdan Petroniu Onac, CS II, conducător doctorat în cadrul Univ. Babeș Bolyai- Cluj Napoca

2.3. Teze doctorat susținute în 2013

Meleg Ioana Nicoleta – *Dinamica populațiilor de Crustacea din domeniul subteran: ecologie, genetică și conservare.* Academia Română – Filiala Cluj Napoca, aprilie 2013

Drăgușin Virgil – *Late Pleistocene climate variability recorded in stalagmites from Romania.* Universitatea Babeș Bolyai, Cluj Napoca, iulie 2013

Munteanu Cristian Mihai – *Dinamica sedimentelor clastice in mediul speleic, sub controlul schimbarilor climatice globale. Studii de caz.* Facultatea de Geologie și Geofizică, Universitatea București, noiembrie 2013

FORMARE TINERI CERCETĂTORI

3.1. Teze doctorat aflate în diferite etape de susținere

Robu Marius – *Studiul tafonomic și inchnologic al asociației faunistice Cuaternar superioare din Peștera Urșilor de la Chișcău*. Academia Română – Filiala Cluj Napoca

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

Terente Mihai – *Utilizarea semnalului izotopilor stabili din speleoteme în reconstituri paleoclimatice*. Facultatea de Geologie și Geofizică, Universitatea București

3.2. Înscrieri la doctorat în 2013

Mirea Ionuț Cornel – *Evoluția carstului din grupa centrală a Carpaților Meridionali în Cuaternar, pe baza depozitelor speleale*. Universitatea Babeș Bolyai, Facultatea de Știința și Ingineria Mediului, Cluj Napoca.

3.3. Burse, granturi și stagii postdoctorale în 2013

Dr. Iepure, S., 2011-2013 – Proiect 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., 2011-2013– 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., 2011-2013 – 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 microbială a poluanților apelor subterane*”

Dr. R. Plăiașu - Contract 1/25.10.2011-2013 CNCS – UEFISCDI PN-II-RU-PD-2011-3-0088 (2011-2013)– *Factori ce influențează utilizarea habitatelor de către comunitățile de opilionide (Arachnida: Opiliones) în Geoparcul Platoul Mehedinți*.

Dr. A. Tudorache – Contract 4/25.10.2011-2013 PNII-RU-PD (2011-2013) – *Aplicarea tehnicilor DGT/DET în studiul migrării unor elemente în zona amplasamentului viitorului depozit de deșeuri radioactive Saligny*. Responsabil. **Valoare: 300 000 RON, 3p**

Dr. Sanda Iepure–*Molecular si confocal microscopy*. Stagiul postdoctoral la Museo Nacional de Ciencia Naturales, Madrid

Dr. Raluca Băncilă - Grant postdoctoral SCIEX: *Innovative modelling approaches as tools in conservation*; Institutul de Biologie Evolutionara si Studii de Mediu, Universitatea Zurich, Evetia (2013-2014)

Dr. Raluca Băncilă - *Grant Synthesys: Patterns of plastron shape asymmetry in captive populations - a case study in Testudo graeca*; Royal Belgian Institute of Natural Sciences (RBINS), Belgia (2013)

ANEXA 4

MIJLOACE DE CERCETARE REALIZATE/COMPLETATE ÎN 2013

Biblioteca ISER. În cadrul schimbului internațional în Biblioteca ISER au intrat peste **250 periodice** de la diferite Muzeu și Institute din țări ale Uniunii Europene precum și din țări din afara Uniunii Europene. Au fost achiziționate sau primite din donații și un număr de 30 cărți.

Echipe de cercetare cu valori mai mari de 10000 Euro: –

ANEXA 5

REZULTATE OBȚINUTE ÎN CERCETARE ÎN 2013

5.1. Lucrări științifice publicate în reviste de specialitate cotate ISI din străinătate

1. Balázs V, Kovács V, **Băncilă RI**, Hartel H, Anthony B, 2013 – *A landscape-level study on the breeding site characteristics of ten amphibian species in Central Europe, Amphibia-Reptilia, 34:63-73 (F.I. = 0.680)*
2. Bazin L., Landais A., Lemieux-Dudon B., Toyé Mahamadou Kele H., **Veres D.**, Parrenin F., Martinerie P., Ritz, C., Capron E., Lipenkov V., Loutre M-F., Raynaud D., Vinther B., Svensson A., Rasmussen S.O., Severi M., Blunier T., Leuenberger M., Fischer H., Masson-Delmotte V., Chappellaz J., Wolff E., 2013 – *An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120–800 ka. Climate of the Past 9 : 1715-1731. (F.I. = 3.556).*
3. **Brad, T.**, C. Obergfell, B. M. van Breukelen, N. M. van Straalen, and W. F. M. Röling, 2013– *Spatiotemporal variations in microbial communities in a landfill leachate plume, Groundwater Monitoring and Remediation, doi: 10.1111/gwmr.12022 (F.I.=1.053)*
4. Braun M., Hubay K., Magyari E., **Veres D.**, Papp I., Balint M., 2013 – *Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains. Quaternary International 293:114-122. (F.I.=1.962).*
5. Cogălniceanu D, Székely P, Székely D, Roșioru D, **Băncilă RI**, Miaud C, 2013 – *When males are larger than females in ectotherms: Reproductive Investment in the Eastern Spadefoot Toad. Pelobates syriacus, Copeia 4:699-706 (F.I. = 0.644).*
6. Cogălniceanu, D., Székely, P., Samoilă, C., Iosif, R., Tudor, M., **Plăiașu, R.**, Stănescu, F., Rozyłowicz, L., 2013 – *Diversity and distribution of amphibians in Romania. ZooKeys, 296: 35–57 (F.I. = 0.864).*

7. Conovici M., **Povară, I.** Orășeanu, I. & **Marin C.**, 2013 – Geological and hydrogeological features of Cerna Valley (Arșasca-Iuta area, SW Romania). *Carpathian Journal of Earth and Environmental Sciences*, **8(3)**: 219 – 230. (F.I. = 1.495)
8. **Constantin, S., Robu, M., Munteanu, C.M., Petculescu, A., Vlaicu, M., Mirea, I.C.,** Keneszi, M., **Drăgușin, V.**, Hoffman, D., Anechței, V., Timar-Gabor, A., Roban, R.D. & Panaiotu, C.G., 2013 – Reconstructing the evolution of cave systems as a key to understanding the taphonomy of fossil accumulations. The case of Urșilor Cave (Western Carpathians, Romania). *Quaternary International* (F.I.= 1,962) <http://dx.doi.org/10.1016/j.quaint.2013.10.012>.
9. **Epure, L., Meleg, I.N., Munteanu, C.M.,** Roban, R.D. & **Moldovan, O.T.**, 2013 – Bacterial and fungal diversity of Quaternary cave sediment deposits. *Geomicrobiology Journal*, DOI:10.1080/01490451.2013.815292, (F.I.=1,608).
10. **Fiers F., Moldovan O.T.**, 2012 – The North American continental copepods in Chappuis legacy and the redescription of three species of the genus *Moraria* T. & A. Scott 1893 (Crustacea: Copepoda: Harpacticoida). *Zoological Studies*, **51 (8)**: 1549-1573. (F.I. = 1.261)
11. **Fiers F.,** Kotwicki L., 2013 –The multiple faces of *Nannopus palustris* auct. reconsidered: Amorphological approach (Copepoda: Harpacticoida: Nannopodidae). *Zoologischer Anzeiger* **253**: 36-65. (F.I.= 1.400)
12. **Fiers F.,** Jacque M., 2013 – Leaf litter copepods from a cloud forest mountain top in Honduras (Copepoda: Cyclopidae, Canthocamptidae). *Zootaxa*, **3630**: 270-290. (F.I.=0.974)
13. Fitzsimmons, K.E., Hambach U., **Veres D.,** Iovita R., 2013 –The Campanian Ignimbrite eruption: new data on volcanic ash dispersal and its potential impact on human evolution. *PlosOne* **8(6)**, article e65839. (F.I. = 3.73)
14. **Iepure, S.,** Martinez-Hernandez, V., Herrera, S. et al., 2013 – Response of microcrustacean communities from the surface-groundwater interface to water contamination in urban river system of the Jarama basin (central Spain). *Environmental Science and Pollution Research*, **20 (8)**: 5813-5826 DOI: 10.1007/s11356-013-1529-9 (F.I. = 2.618)
15. Flot J.F., Bauermeister J., **Brad T., Hillebrand-Voiculescu A.,** Sarbu S.I., Dattagupta S., 2013 – Niphargus-Thiothrix associations may be widespread in sulfidic groundwaters: evidence from southeastern Romania. *Molec. Ecol.*, doi: 10.1111/mec.12461 (F.I. = 6.275)
16. Ioviță, R., Doboș, A., Fitzsimmons, K. E., Probst, M., Hambach, U., **Robu, M., Vlaicu, M., Petculescu, A.**, 2013 – Geoarchaeological prospection in the loess steppe: Preliminary results from the Lower Danube Survey for Paleolithic Sites (LoDanS) (in press). *Quaternary International*. doi:10.1016/j.quaint.2013.05.018 (F.I. = 1,962).
17. Karátson D., Telbisz T., Harangi Sz., Kiss B., Magyar E., **Veres D.,** Jánosi Cs., Fodor E., Biró T., Braun M., Fodor E., Biró T., Kósik Sz., von Eynatten H., Lin D., 2013 – The youngest eruptive activity in eastern-central Europe at the Ciomadul (Csomád) volcano, East Carpathians: lava dome morphometry, geochronology, and worldwide comparison. *Journal of Volcanology and Geothermal Research* **255**: 43-56. (F.I. = 2.193).
18. Kliem P., Buylaert J.-P., Hahn A., Mayr C., Murray A., Ohlendorf C., **Veres D.,** Wastegård S., Zolitschka, B. and the PASADO Science Team, 2013 – Magnitude, geomorphologic response and climate links of lake level oscillations at Laguna Potrok Aike, Patagonian steppe (Argentina). *Quaternary Science Reviews* **71**:131-146 (F.I. = 4.076)
19. Magyar E., Buczkó K., Vennemann T., Kern Z., Fórizs I., Demény A., Braun M., **Veres D.** 2013 – A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes. *Quaternary International* **293**: 136-149. (F.I.=1.962).

20. Manu M, **Băncilă RI**, Onete M, 2013 - Soil mite communities (Acari: Gamasina) from different ecosystem types from Romania. *Belgian Journal of Zoology*, **143**: 30-41 (F.I. = **0.702**)
21. **Meleg, I.N.**, Năpăruș, M., Fiers, F., Meleg, H.I., **Vlaicu, M.**, **Moldovan, O.T.**, 2013 – The relationships between land cover, climate and cave copepod spatial distribution and suitability along the Carpathians. *Environ. Conserv.* DOI: <http://dx.doi.org/10.1017/S0376892913000465>, (F.I. = **2,341**).
22. **Meleg, I.N.**, Zakšek, V., Fišer, C., Kelemen, B.S., **Moldovan, O.T.**, 2013 - Can environment predict cryptic diversity? The case of *Niphargus* inhabiting Western Carpathian groundwater. *PLOS ONE*, DOI: 10.1371/journal.pone.0076760. (F.I.=**3.730**)
23. Miko L., Mourek J., **Meleg I.N.**, **Moldovan O.T.**, 2013 – Oribatid mite fossils from pre Quaternary sediments in Slovenian caves II. *Amiracarus pliocennatus* n. gen., n.sp. (Microzetidae) from Pliocene, with comments on the other species of the genus *Zootaxa*, **3670 (4)**: 557–578. (F.I.= **0.974**)
24. **Moldovan, O.T.**, **Meleg, I.N.**, Levei, E., **Terente, M.**, 2013 – A simple method for assessing biotic indicators and predicting biodiversity in the hyporheic zone of a river polluted with metals, *Ecological Indicators*, **24**: 412-420 (F.I. = **2,89**).
25. **Nitzu, E** – The Cholevinae of Romania (exclusive of Leptodirini) (Coleoptera, Leioididae) with special reference to the hypogeal records. *Zootaxa*, **3620(3)**: 351-378 (F.I. = **0,974**)
26. **Onac, B. P.**, Effenberger H.S, Wynn J.G., **Povară I.** – Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania. *American Mineralogist*, **98**: 1302–1309. (F.I. = **2,204**)
27. **Onac, B.P.**, Forray, F.L., Wynn, J.G., Giurgiu, A.M., 2013 – Guano-derived $\delta^{13}\text{C}$ -based paleo-hydroclimate record from Gaura cu Musca Cave, SW Romania. *Environmental Earth Sciences* DOI: 10.1007/s12665-013-2789-x (F.I. = **1.45**)
28. Peterson, D. E., Finger, K. L., **Iepure, S.** et al., 2013 – Ostracod assemblage in the Frassasi Caves and adjacent sulfidic spring and Sentino River in the northeastern Apennines of Italy. *Journal of Cave and Karst Studies*, **75(1)**: 11-27 (F.I.= **1.057**)
29. Ponta, G., **Povară, I.**, Isverceanu, E.G., **Onac, B.P.**, **Marin, C.**, **Tudorache, A.**, 2013 - Geology and dynamics of underground waters in Cerna Valley/Băile Herculane (Romania). *Carbonates and Evaporites*, **28(1-2)**: 31-39. (F.I. = **0,458**)
30. Puscaș C.M., **Onac, B.P.** Effenberger H.S. and **Povara, I.**, 2013 – Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania. *European Journal of Mineralogy*: **25**: 479–486. (F.I. = **1,250**)
31. Robu, M., Fortin, J., Richards, M., Sscwartz, C., Wynn, J., Robbins, C.T., Trinkhaus, E., 2013. Isotopic evidence for dietary flexibility among European Late Pleistocene cave bears (*Ursus spelaeus*). *Canadian Journal of Zoology*. DOI: 10.1139/cjz-2012-0232, (F.I.=: **1,498**).
32. Schirmack J., Mangelsdorf K., Ganzert L., Sand W., **Hillebrand-Voiculescu A.**, Wagner D., 2013 – Methanobacterium movilense sp. nov., a Hydrogenotrophic, Secondary Alcohol Utilizing Methanogen from the Anoxic Sediment of the Subsurface Lake in Movile Cave, Romania, *Int. J. Sys. Evol. Microbiol.*, doi:10.1099/ijls.0.057224-0 (F.I. = **2.27**).
33. Sirocko F., Dietrich S., **Veres D.**, Grootes P., Schaber-Mohr K., Seelos K., Nadeau M.-J., Kromer B., Rothacker L., Röhner M., Krbetschek M., Appleby P., Hambach U., Rolf C., Sudo M., Grim S., 2013 – Multi-proxy dating of Holocene maar lakes and Pleistocene dry maar sediments in the Eifel, Germany. *Quaternary Science Reviews* **62**:56-76. (F.I. = **4.076**)

34. **Veres D.**, Mîndrescu M., 2013 – Advancing climate change research in the Balkan-Carpathian region during Late Pleistocene and Holocene. *Quaternary International* **293**:1-4. (F.I. =**2.150**)
35. **Veres D.**, Lane S.C., Timar-Gabor A., Hambach H., Constantin D., Szakacs A., Fülling A., **Onac B.P.**, 2013. – The Campanian Ignimbrite/Y5 tephra layer – a regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania. *Quaternary International* **293**: 22-33. (F.I. =**1.962**).
36. **Veres D.**, Bazin L., Landais A., Toyé Mahamadou Kele H., Lemieux-Dudon B., Parrenin F., Martinerie P., Blayo E., Blunier T., Capron E., Chappellaz J., Rasmussen S.O., Severi M., Svensson A., Vinther B., Wolff E., 2013. – The Antarctic ice core chronology (AICC2012): an optimized multi-parameter and multi-site dating approach for the last 120 thousand years. *Climate of the Past* **9**: 1733-1748. (F.I. = **3.556**).
37. Wastegård S., **Veres D.**, Kliem P., Ohlendorf C., Zolitschka B. and the PASADO Science Team, 2013 – Towards a late Quaternary tephrochronological framework for the southernmost part of South America – the Laguna Potrok Aike tephra record. *Quaternary Science Reviews* **71**: 81-90. (F.I. = **4.076**)
38. Zak, K., Orvosova, M., Filippi, M., Vlcek, L., **Onac, B.P.**, Persoiu, A., Rohovec, J., Svetlik, I. 2013 – Cryogenic cave pearls in the periglacial zone of ice caves. *Journal of Sedimentary Research*, **83**: 207-220; doi: <http://dx.doi.org/10.2110/jar.2013.16> (F.I. =**1.742**)

Factor de impact cumulativ = 79.635

Lucrări ISI acceptate la tipar

Hillebrand-Voiculescu A., Ițcuș C., Ardelean I., Pascu M.D., Perșoiu A., Rusu A., **Brad T.**, Popa E., **Onac B.P.**, Purcarea C. – Searching for Cold-Adapted Microorganisms in the Underground Glacier of Scărișoara Ice Cave, Romania. *Acta Carsologica* (F.I.= 0.727)

Kumaresan D., Wischer D., Stephenson J., **Hillebrand-Voiculescu A.**, Murrell J.C. – Microbiology of Movile Cave – A Chemolithoautotrophic Ecosystem. *Geomicrobiol.J.* (F.I. =2.017)

Constantin, S., Robu, M., Munteanu, C.-M., Petculescu, A., Vlaicu, M., Mirea, I., Kenesz, M., Dragusin, V., Hoffman, D., Anechitei, V., Timar-Gabor, A., Roban, R., Panaiotu, C.-G., 2013 – Reconstructing the evolution of cave systems as a key to understanding the taphonomy of fossil accumulations: The case of Urșilor Cave (Western Carpathians, Romania). *Quaternary International* [acceptat].

Borda D., Năstase-Bucur R., Spînu M., Uricariu R., Mulec J., 2013 – Aerosolized microbes from organic rich materials: case study of bat guano from caves in Romania. *Journal of Cave and Karst Studies*, accepted in 04.11.2013 (F.I.=1.057)

Buică G, **Băncilă R.I.**, Tudor M, **Plăiașu R.**, Cogălniceanu D –The injuries on tortoise shells' as a depository of past human impact. *Italian Journal of Zoology* .

Puscas, C.M., Kristaly, F., Stremtan, C.C., **Onac, B.P.** & Effenberger, H.S. - Stability of cave phosphates: case study from Liliecilor Cave (Trascau Mountains, Romania). *J. Min. Geochem.* (fostul N. Jb. Miner. Abh.) (**accepted**) (IF **0.755**)

Anechitei-Deacu, V., Timar-Gabor, A., Fitzsimmons, K.E., **Veres, D.**, Hambach, U., 2013. OSL investigations on quartz grains of different sizes extracted from a loess section in Romania interbedding the Campanian Ignimbrite ash layer. *Geochronometria* (in press).IF **1.653**.

Tanțău, I., Geantă, A., Feurdean, A., **Tămaș, T.** (2013). Holocene vegetation history from a high altitude site in Rodna Mountains (Eastern Romanian Carpathians). *Carpathian Journal of Earth and Environmental Sciences* (**in review**). (IF: 1.495)

Epure L., **Borda D.**, Groundwater contamination and the correlations between water chemistry and biotic components in a karst system, *Carpathian Journal of Earth and Environmental Sciences*, submitted 12.10.2013, IF/2012 = 1.495.

5.2. Lucrări științifice publicate în reviste de specialitate indexate BDI

Feier A., **Moldovan O.T.**, 2013 – Population size and dispersal patterns for a *Drimeotus* (Coleoptera, Leiodidae, Leptodirini) cave population. *Subterranean Biology*, **11**: 31–44.

Giurgiu, A., **Tămaș, T.**, 2013 – Mineralogical data on bat guano deposits from three Romanian caves. *Studia UBB Geologia*, **58 (2)**: 13 – 18.

Moldovan O.T., 2013 – One step forward for subterranean biology. *Subterranean Biology*, **11**: 1-2.

Nitzu E., 2013 – New data on the knowledge of beetle fauna (Insecta, Coleoptera) in the “Barnova-Repedea Forest” site of community importance (ROSCI 01235, Iasi, Romania). *Travaux du Muséum National d’Histoire Naturelle «Grigore Antipa»* **56(1)**: 33 – 44.

Vasile, Ș., **Știucă, E.**, & Panaitescu, D., 2013 – First find of elephantid remains from the Pleistocene of Copăceni (Ilfov County, Romania). *Oltenia. Studii și comunicări. Științele Naturii* **29(1)**: 42-51

5.3. Cărți publicate în străinătate –

5.4. Cărți publicate în Editura Academiei Române

Pașol P., Paulian F., Pălăgeșiu I., **Nițu E.**, 2013 – Tratat de Zoologie Agricolă. Vol. III (Ord. Coleoptera). *Ed. Academiei Române*, 533 p.

5.5. Cărți publicate în țară

Petculescu, A., 2013 – Reconstituiri paleoclimatice pe baza mamiferelor mici din depozite carstice. Studiu de caz - Dobrogea Centrala. *Editura AGIR*, Bucharest, 186 p.

Meleg, I.N. 2013 – Population dynamics of subterranean Crustacea: ecology, genetics and conservation. Presa Universitară Clujeană, Cluj-Napoca, 87 p.

5.6. Citări ale lucrărilor anterioare în 2013

Veres, Daniel; Lane, Christine S.; Timar-Gabor, Alida; **Onac, B.P.** et al., 2013 – The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania *QUATERNARY INTERNATIONAL*, **293**: 22-33 DOI: 10.1016/j.quaint.2012.02.042

Fitzsimmons, Kathryn E.; Hambach, Ulrich; Veres, Daniel; et al – The Campanian Ignimbrite Eruption: New Data on Volcanic Ash Dispersal and Its Potential Impact on Human Evolution PLOS ONE Volume: 8 Issue: 6 Article Number: e65839 DOI: 10.1371/journal.pone.0065839 Published: JUN 17 2013.

Veres, Daniel; Mindrescu, Marcel – Advancing Pleistocene and Holocene climate change research in the Carpathian-Balkan region *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 1-4 DOI: 10.1016/j.quaint.2012.12.003 Published: APR 19 2013

Onac, Bogdan P.; Wynn, Jonathan G.; Sumrall, Jonathan B, 2011 – Tracing the sources of cave sulfates: a unique case from Cerna Valley, Romania. *CHEMICAL GEOLOGY*, 288(3-4): 105-114 DOI: 10.1016/j.chemgeo.2011.07.006

Onac, Bogdan P.; Effenberger, Herta S.; Wynn, Jonathan G.; et al. – Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania. *AMERICAN MINERALOGIST* Volume: 98 Issue: 7 Pages: 1302-1309 DOI: 10.2138/am.2013.4452 Published: JUL 2013

Puscas, Cristina M.; Onac, Bogdan P.; Effenberger, Herta S.; et al. – Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania. *EUROPEAN JOURNAL OF MINERALOGY* Volume: 25 Issue: 3 Pages: 479-486 DOI: 10.1127/0935-1221/2013/0025-2294 Published: JUN 2013

Temovski, Marjan; Audra, Philippe; Mihevc, Andrej; et al. – Hypogenic origin of Provalata Cave, Republic of Macedonia: a distinct case of successive thermal carbonic and sulfuric acid speleogenesis. *INTERNATIONAL JOURNAL OF SPELEOLOGY* Volume: 42 Issue: 3 Pages: 235-246 DOI: 10.5038/1827-806X.42.3.7 Published: 201

Feurdean, Angelica; Persoiu, Aurel; Pazdur, Anna; **Onac, B.P.** et al., 2011 – Evaluating the palaeoecological potential of pollen recovered from ice in caves: A case study from Scarisoara Ice Cave, Romania. *REVIEW OF PALAEOBOTANY AND PALYNOLOGY* **165(1-2)**: 1-10 DOI: 10.1016/j.revpalbo.2011.01.007

Kern, Zoltan; Persoiu, Aurel – Cave ice - the imminent loss of untapped mid-latitude cryospheric palaeoenvironmental archive, *QUATERNARY SCIENCE REVIEWS* Volume: 67 Pages: 1-7 Published: MAY 1 2013

Persoiu, Aurel; **Onac, Bogdan P.**; Wynn, Jonathan G.; et al., 2011 – Stable isotope behavior during cave ice formation by water freezing in Scarisoara Ice Cave, Romania. *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES* **116** Article Number: D02111 DOI: 10.1029/2010JD014477

Kern, Zoltan; Persoiu, Aurel – Cave ice - the imminent loss of untapped mid-latitude cryospheric palaeoenvironmental archives. *QUATERNARY SCIENCE REVIEWS* Volume: 67 Pages: 1-7 DOI: 10.1016/j.quascirev.2013.01.008 Published: MAY 1 2013

Luetscher, M.; Borreguero, M.; Moseley, G. E.; et al – Alpine permafrost thawing during the Medieval Warm Period identified from cryogenic cave carbonates. *CRYOSPHERE* Volume: 7 Issue: 4 Pages: 1073-1081 DOI: 10.5194/tc-7-1073-2013 Published: 2013

Zak, Karel; Orvosova, Monika; Filippi, Michal; et al. – Cryogenic cave pearls in the periglacial zones of ice caves. *JOURNAL OF SEDIMENTARY RESEARCH* Volume: 83 Issue: 1-2 Pages: 207-220 DOI: 10.2110/jsr.2013.16 Published: JAN-FEB 2013

Onac, Bogdan P.; Forti, Paolo, 2011–Minerogenetic mechanisms occurring in the cave environment: an overview. *INTERNATIONAL JOURNAL OF SPELEOLOGY* **40(2)** Special Issue: SI : 79-98 DOI: 10.5038/1827-806X.40.2.1

Onac, Bogdan P.; Effenberger, Herta S.; Wynn, Jonathan G.; et al. – Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania. *AMERICAN MINERALOGIST* Volume: 98 Issue: 7 Pages: 1302-1309 DOI: 10.2138/am.2013.4452 Published: JUL 2013

Puscas, Cristina M.; Onac, Bogdan P.; Effenberger, Herta S.; et al. – Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania. *EUROPEAN JOURNAL OF MINERALOGY* Volume: 25 Issue: 3 Pages: 479-486 DOI: 10.1127/0935-1221/2013/0025-2294 Published: JUN 2013

McGee, Dorian K.; Wynn, Jonathan G.; **Onac, Bogdan P.**; et al, 2010 – Tracing groundwater geochemistry using delta C-13 on San Salvador Island (southeastern Bahamas): implications for carbonate island hydrogeology and dissolution. *CARBONATES AND EVAPORITES* **25(2)**: 91-105 DOI: 10.1007/s13146-010-0013-6

Gulley, J. D.; Martin, J. B.; Moore, P. J.; et al. – Formation of phreatic caves in an eogenetic karst aquifer by CO₂ enrichment at lower water tables and subsequent flooding by sea level rise *EARTH SURFACE PROCESSES AND LANDFORMS* Volume: 38 Issue: 11 Pages: 1210-1224 DOI: 10.1002/esp.3358 Published: SEP 15 2013

Wynn, Jonathan G.; Sumrall, Jonathan B.; **Onac, Bogdan P.**, 2010 – Sulfur isotopic composition and the source of dissolved sulfur species in thermo-mineral springs of the Cerna Valley, Romania *CHEMICAL GEOLOGY* **271(1-2)**: 31-43 DOI: 10.1016/j.chemgeo.2009.12.009

Onac, Bogdan P.; Effenberger, Herta S.; Wynn, Jonathan G.; et al. – Rapidcreekite in the sulfuric acid weathering environment of Diana Cave, Romania *AMERICAN MINERALOGIST* **98(7)** : 1302-1309 DOI: 10.2138/am.2013.4452 Published: JUL 2013

Puscas, Cristina M.; Onac, Bogdan P.; Effenberger, Herta S.; et al. – Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania *EUROPEAN JOURNAL OF MINERALOGY* Volume: 25 Issue: 3 Pages: 479-486 DOI: 10.1127/0935-1221/2013/0025-2294 Published: JUN 2013

Ponta, Gheorghe; Povara, Ioan; Isverceanu, Emilian G.; et al. – Geology and dynamics of underground waters in Cerna Valley/Bile Herculane (Romania). *CARBONATES AND EVAPORITES* Volume: 28 Issue: 1-2 Special Issue: SI Pages: 31-39 DOI: 10.1007/s13146-013-0149-2 Published: MAY 2013

Temovski, Marjan; Audra, Philippe; Mihevc, Andrej; et al. – Hypogenic origin of Provalata Cave, Republic of Macedonia: a distinct case of successive thermal carbonic and sulfuric acid speleogenesis *INTERNATIONAL JOURNAL OF SPELEOLOGY* Volume: 42 Issue: 3 Pages: 235-246 DOI: 10.5038/1827-806X.42.3.7 Published: 2013

Dorale, Jeffrey A.; Onac, Bogdan P.; Fornos, Joan J.; et al. – Sea-Level Highstand 81,000 Years Ago in Mallorca *SCIENCE* Volume: 327 Issue: 5967 Pages: 860-863 DOI: 10.1126/science.1181725 Published: FEB 12 2010

Wagner, Stephen; Eckmeier, Eileen; Skowronek, Armin; et al. – Quaternary paleosols and sediments on the Balearic Islands as indicators of climate changes Conference: International Conference on Landscapes and Soils through Time Location: Hohenheim Univ, Stuttgart, GERMANY Date: JUL 29-AUG 01, 2011 *CATENA* Volume: 112 Special Issue: SI Pages: 112-124 DOI: 10.1016/j.catena.2013.06.022 Published: JAN 2014

Rodriguez, V.; Brown, R. P.; Terrasa, B.; et al.– Multilocus genetic diversity and historical biogeography of the endemic wall lizard from Ibiza and Formentera, *Podarcis pityusensis* (Squamata: Lacertidae) *MOLECULAR ECOLOGY* Volume: 22 Issue: 19 Pages: 4829-4841 DOI: 10.1111/mec.12443 Published: OCT 2013

Zazo, C.; Goy, J. L.; Dabrio, C. J.; et al. – Retracing the Quaternary history of sea-level changes in the Spanish Mediterranean-Atlantic coasts: Geomorphological and sedimentological approach *GEOMORPHOLOGY*, **196** (**SI**): 36-49 DOI: 10.1016/j.geomorph.2012.10.020 Published: 2013

Pappalardo, Marta; Chelli, Alessandro; Ciampalini, Andrea; et al – Evolution of an Upper Pleistocene aeolianite in the northern Mediterranean (Liguria, NW Italy) Conference: 6th Workshop of the ILP Task Force on Sedimentary Basins Location: Polytechn Univ Tirana, Tirana, ALBANIA Date: NOV 07-12, 2010 *ITALIAN JOURNAL OF GEOSCIENCES* **132(2)** : 290-303 DOI: 10.3301/IJG.2012.30 Published: JUN 2013

Wehmiller, John F.– United States Quaternary coastal sequences and molluscan racemization geochronology - What have they meant for each other over the past 45 years? *QUATERNARY GEOCHRONOLOGY* Volume: 16 Special Issue: SI Pages: 3-20 DOI: 10.1016/j.quageo.2012.05.008 Published: APR 2013

Alcantara-Carrio, Javier; Albarracin, Silvia; Montoya Montes, Isabel; et al.– An indurated Pleistocene coastal barrier on the inner shelf of the Gulf of Valencia (western Mediterranean):

- evidence for a prolonged relative sea-level stillstand GEO-MARINE LETTERS Volume: 33 Issue: 2-3 Pages: 209-216 DOI: 10.1007/s00367-012-0316-9 Published: APR 2013
- Abad, M.; Rodriguez-Vidal, J.; Aboumaria, K.; et al.– Evidence of MIS 5 sea-level highstands in Gebel Mousa coast (Strait of Gibraltar, North of Africa) GEOMORPHOLOGY Volume: 182 Pages: 133-146 DOI: 10.1016/j.geomorph.2012.11.004 Published: JAN 15 2013
- Onac, Bogdan P.**; Sumrall, Jonathan; **Tamas, Tudor**; et al., 2009– The relationship between cave minerals and H₂S-rich thermal waters along the Cerna Valley (SW Romania) . *ACTA CARSOLOGICA* **38 (1)** : 27-39
- Puscas, Cristina M.; Onac, Bogdan P.; Effenberger, Herta S.; et al.– Tamarugite-bearing paragenesis formed by sulphate acid alteration in Diana Cave, Romania EUROPEAN JOURNAL OF MINERALOGY Volume: 25 Issue: 3 Pages: 479-486 DOI: 10.1127/0935-1221/2013/0025-2294 Published: JUN 2013
- Ponta, Gheorghe; Povara, Ioan; Isverceanu, Emilian G.; et al– Geology and dynamics of underground waters in Cerna Valley/Bile Herculane (Romania) . CARBONATES AND EVAPORITES Volume: 28 Issue: 1-2 Special Issue: SI Pages: 31-39 DOI: 10.1007/s13146-013-0149-2 Published: MAY 2013
- Zak, Karel; **Onac, Bogdan P.**; Persoiu, Aurel, 2008 – Cryogenic carbonates in cave environments: A review . *QUATERNARY INTERNATIONAL* **187**: 84-96 DOI: 10.1016/j.quaint.2007.02.022
- Richter, Detlev K.; Meyer, Stefan; Scholz, Denis; et al. – Multiphase formation of Weichselian cryogenic calcites, Riesenberg Cave (Suntel/NW Germany) . ZEITSCHRIFT DER DEUTSCHEN GESELLSCHAFT FUR GEOWISSENSCHAFTEN Volume: 164 Issue: 2 Pages: 353-367 DOI: 10.1127/1860-1804/2013/0016 Published: JUN 2013.
- Luetscher, M.; Borreguero, M.; Moseley, G. E.; et al. – Alpine permafrost thawing during the Medieval Warm Period identified from cryogenic cave carbonates . CRYOSPHERE Volume: 7 Issue: 4 Pages: 1073-1081 DOI: 10.5194/tc-7-1073-2013 Published: 2013
- Zak, Karel; Orvosova, Monika; Filippi, Michal; et al. – CRYOGENIC CAVE PEARLS IN THE PERIGLACIAL ZONES OF ICE CAVES . JOURNAL OF SEDIMENTARY RESEARCH Volume: 83 Issue: 1-2 Pages: 207-220 DOI: 10.2110/jsr.2013.16 Published: JAN-FEB 2013
- Onac, Bogdan P.**; Pace-Graczyk, Kali; Atudirei, Viorel, 2008 – Stable isotope study of precipitation and cave drip water in Florida (USA): implications for speleothem-based paleoclimate studies . Conference 9th Symposium of the European-Society-for-Isotope-Research Location: Cluj Napoca, ROMANIA Date: JUN 23-28, 2007.*ISOTOPES IN ENVIRONMENTAL AND HEALTH STUDIES* **44 (2)**: 149-161 DOI: 10.1080/10256010802066174
- Florea, Lee J. – Selective recharge and isotopic composition of shallow groundwater within temperate, epigenic carbonate aquifers . JOURNAL OF HYDROLOGY Volume: 489 Pages: 201-213 DOI: 10.1016/j.jhydrol.2013.03.008 Published: MAY 10 2013.
- Luo, Weijun; Wang, Shijie; Xie, Xingneng – A comparative study on the stable isotopes from precipitation to speleothem in four caves of Guizhou, China . CHEMIE DER ERDE-GEOCHEMISTRY Volume: 73 Issue: 2 Pages: 205-215 DOI: 10.1016/j.chemer.2012.05.002 Published: 2013
- Onac, Bogdan P.**; Effenberger, Herta S., 2007 – Re-examination of berlinite (AlPO₄) from the Cioclovina cave, Romania *AMERICAN MINERALOGIST* **92(11-12)**:1998-2001 DOI: 10.2138/am.2007.2581
- Smith, J. M.; King, S. P.; Barney, E. R.; et al. – Structural study of Al₂O₃-Na₂O-CaO-P₂O₅ bioactive glasses as a function of aluminium content . JOURNAL OF CHEMICAL

Feurdean, Angelica; Mosbrugger, Volker; **Onac, Bogdan P.**; et al., 2007 – Younger Dryas to mid-Holocene environmental history of the lowlands of NW Transylvania, Romania . *QUATERNARY RESEARCH* **68(3)**: 364-378 DOI: 10.1016/j.yqres.2007.08.

Dreibrodt, S.; Lubos, C.; Hofmann, R.; et al. – Holocene river and slope activity in the Visoko Basin, Bosnia-Herzegovina - climate and land-use effects . *JOURNAL OF QUATERNARY SCIENCE* Volume: 28 Issue: 6 Pages: 559-570 DOI: 10.1002/jqs.2646 Published: AUG 2013

Feurdean, Angelica; Parr, Catherine L.; Tantau, Ioan; et al. – Biodiversity variability across elevations in the Carpathians: Parallel change with landscape openness and land use . *HOLOCENE* Volume: 23 Issue: 6 Pages: 869-881 DOI: 10.1177/0959683612474482 Published: JUN 2013

Cameron, Robert A. D.; Pokryszko, Beata M.; Horsak, Michal – Forest snail faunas from Crimea (Ukraine), an isolated and incomplete Pleistocene refugium . *BIOLOGICAL JOURNAL OF THE LINNEAN SOCIETY* Volume: 109 Issue: 2 Pages: 424-433 DOI: 10.1111/bij.12040 Published: JUN 2013

Farcas, Sorina; Tantau, Ioan; Mindrescu, Marcel; et al. – Holocene vegetation history in the Maramures Mountains (Northern Romanian Carpathians) *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 92-104 DOI: 10.1016/j.quaint.2012.03.057 Published: APR 19 2013

Michezynski, Adam; Kolaczek, Piotr; Margielewski, Wlodzimierz; et al – RADIOCARBON AGE-DEPTH MODELING PREVENTS MISINTERPRETATION OF PAST VEGETATION DYNAMICS: CASE STUDY OF WIERCHOMLA MIRE (POLISH OUTER CARPATHIANS) . Source: *RADIOCARBON* Volume: 55 Issue: 2-3 Pages: 1724-1734 Published: 2013

Onac, B.P.; Ettinger, K; Kearns, J; et al., 2005 – A modern, guano-related occurrence of foggite, $\text{CaAl}(\text{PO}_4)(\text{OH})(2)\text{center dot H}_2\text{O}$ and churchite-(Y), $\text{YPO}_4\text{ center dot } 2\text{H}(2)\text{O}$ in Cioclovina Cave, Romania. *MINERALOGY AND PETROLOGY* **85(3-4)**: 291-302 DOI: 10.1007/s00710-005-0106-4

Li, Zaihui; Din, Jun; Xu, Jinsha; et al. – Discovery of the REE minerals in the Wulong-Nanchuan bauxite deposits, Chongqing, China: Insights on conditions of formation and processes . *JOURNAL OF GEOCHEMICAL EXPLORATION* Volume: 133 Pages: 88-102 DOI: 10.1016/j.gexplo.2013.06.016 Published: OCT 2013

Holmlund, P; **Onac, B.P.**; Hansson, M; et al., 2005 – Assessing the palaeoclimate potential of cave glaciers: The example of the Scarisoara Ice Cave (Romania) *GEOGRAFISKA ANNALER SERIES A-PHYSICAL GEOGRAPHY* 87A(1): 193-201 DOI: 10.1111/j.0435-3676.2005.00252.x

Kern, Zoltan; Persoiu, Aurel – Cave ice - the imminent loss of untapped mid-latitude cryospheric palaeoenvironmental archives . *QUATERNARY SCIENCE REVIEWS* Volume: 67 Pages: 1-7 DOI: 10.1016/j.quascirev.2013.01.008 Published: MAY 1 2013

Tamas, T; Onac, BP; Bojar, AV, 2005 – Lateglacial-Middle Holocene stable isotope records in two coeval stalagmites from the Bihor Mountains, NW Romania Conference: 7th Workshop of the European-Society-for-Isotope-Research Location: Karl Franzens Univ, Seggauberg, GERMANY Date: JUN 27-JUL 01, 2004 *GEOLOGICAL QUARTERLY* **49 (2)**: 185-194 Published: 2005

Buczko, Krisztina; Magyari, Eniko Katalin; Braun, Mihaly; et al. – Diatom-inferred lateglacial and Holocene climatic variability in the South Carpathian Mountains (Romania) . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 123-135 DOI: 10.1016/j.quaint.2012.04.042 Published: APR 19 2013

- Magyari, E. K.; Demeny, A.; Buczko, K.; et al. – A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 136-149 DOI: 10.1016/j.quaint.2012.05.042 Published: APR 19 2013
- Onac, B.P.**, 2002 – Caves formed within Upper Cretaceous skarns at Baita, Bihor County, Romania: Mineral deposition and speleogenesis . *CANADIAN MINERALOGIST* **40**:1693-1703 DOI: 10.2113/gscanmin.40.6.1693 Part: 6
- De Waele, Jo; Forti, Paolo; Naseddu, Angelo – Speleogenesis of an exhumed hydrothermal sulphuric acid karst in Cambrian carbonates (Mount San Giovanni, Sardinia) . *EARTH SURFACE PROCESSES AND LANDFORMS* Volume: 38 Issue: 12 Pages: 1369-1379 DOI: 10.1002/esp.3375 Published: SEP 30 2013
- Onac, B.P.; Constantin, S;** Lundberg, J; et al., 2002 – Isotopic climate record in a Holocene stalagmite from Ursilor Cave (Romania) . *JOURNAL OF QUATERNARY SCIENCE* **17(4)**: 319-327 DOI: 10.1002/jqs.685
- Sherwood, Sarah C.; Windingstad, Jason D.; Barker, Alex W.; et al. – Evidence for Holocene Aeolian Activity at the Close of the Middle Bronze Age in the Eastern Carpathian Basin: Geoarchaeological Results from the Mure River Valley, Romania . *GEOARCHAEOLOGY-AN INTERNATIONAL JOURNAL* Volume: 28 Issue: 2 Pages: 131-146 DOI: 10.1002/geo.21434 Published: MAR-APR 2013
- Wohlfarth, B; Hannon, G; **Feurdean, A; Onac, B.P.** et al., 2001 – Reconstruction of climatic and environmental changes in NW Romania during the early part of the last deglaciation (similar to 15,000-13,600 cal yr BP) . *QUATERNARY SCIENCE REVIEWS* **20(18)**: 1897-1914 DOI: 10.1016/S0277-3791(01)00014-2
- Farcas, Sorina; Tantau, Ioan; Mindrescu, Marcel; et al. – Holocene vegetation history in the Maramures Mountains (Northern Romanian Carpathians) . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 92-104 DOI: 10.1016/j.quaint.2012.03.057 Published: APR 19 2013
- Onac, B.P.;** Bjorkman, L; Bjorck, S; et al., 2001 – The first dated Eemian lacustrine deposit in Romania . *QUATERNARY RESEARCH* **56(1)**: 62-65
- Corcea, Catalin Alexandru; Constantin, Daniela; Anechitei, Valentina; et al. – SAR OSL dating of 63-90 μ m quartz extracted from an Eemian (presumably lacustrine) sedimentary section at Florești on the Someșul Mic Valley. *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES* Volume: 8 Issue: 1 Pages: 139-145 Published: FEB 2013
- Veres, Daniel;** Lane, Christine S.; Timar-Gabor, Alida; et al., 2013 – The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania. *QUATERNARY INTERNATIONAL* **293**: 22-33 DOI: 10.1016/j.quaint.2012.02.042
- Fitzsimmons, Kathryn E.; Hambach, Ulrich; Veres, Daniel; et al. – The Campanian Ignimbrite Eruption: New Data on Volcanic Ash Dispersal and Its Potential Impact on Human Evolution . *PLOS ONE* Volume: 8 Issue: 6 Article Number: e65839 DOI: 10.1371/journal.pone.0065839 Published: JUN 17 2013
- Veres, Daniel; Mindrescu, Marce–Advancing Pleistocene and Holocene climate change research in the Carpathian-Balkan region . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 1-4 DOI: 10.1016/j.quaint.2012.12.003 Published: APR 19 2013
- Sirocko, Frank; Dietrich, Stephan; **Veres, Daniel;** et al., 2013– Multi-proxy dating of Holocene maar lakes and Pleistocene dry maar sediments in the Eifel, Germany . *QUATERNARY SCIENCE REVIEWS* **62**: 56-76 DOI: 10.1016/j.quascirev.2012.09.011

Rothacker, Leo; Dreves, Alexander; Sirocko, Frank; et al. – Dating bulk sediments from limnic deposits using a grain-size approach. *RADIOCARBON* Volume: 55 Issue: 2-3 Pages: 943-950, Published: 2013.

Feurdean, Angelica; Spessa, Allan; Magyari, Enikoe K.; **Vereş, D.** et al., 2012– Trends in biomass burning in the Carpathian region over the last 15,000 years. *QUATERNARY SCIENCE REVIEWS* **45**: 111-125 DOI: 10.1016/j.quascirev.2012.04.001

Feurdean, Angelica; Parr, Catherine L.; Tantau, Ioan; et al. – Biodiversity variability across elevations in the Carpathians: Parallel change with landscape openness and land use . *HOLOCENE* Volume: 23 Issue: 6 Pages: 869-881 DOI: 10.1177/0959683612474482 Published: JUN 2013

Marlon, Jennifer R.; Bartlein, Patrick J.; Danianu, Anne-Laure; et al –Global biomass burning: a synthesis and review of Holocene paleofire records and their controls . *QUATERNARY SCIENCE REVIEWS* Volume: 65 Pages: 5-25 DOI: 10.1016/j.quascirev.2012.11.029 Published: APR 1 2013

Kylander, Malin E.; Ampel, Linda; Wohlfarth, Barbara; **Vereş, D.** et al., 2011 – High-resolution X-ray fluorescence core scanning analysis of Les Echets (France) sedimentary sequence: new insights from chemical proxies. *JOURNAL OF QUATERNARY SCIENCE* **26(1)**: 109-117 DOI: 10.1002/jqs.1438

Haenssler, Elke; Nadeau, Marie-Josée; Voett, Andreas; et al. – Natural and human induced environmental changes preserved in a Holocene sediment sequence from the Etoliko Lagoon, Greece: New evidence from geochemical proxies . *QUATERNARY INTERNATIONAL* Volume: 308 Pages: 89-104 DOI: 10.1016/j.quaint.2012.06.031 Published: OCT 2 2013

Heymann, Christian; Nelle, Oliver; Doerfler, Walter; et al. – Late Glacial to mid-Holocene palaeoclimate development of Southern Greece inferred from the sediment sequence of Lake Stymphalia (NE-Peloponnese) . *QUATERNARY INTERNATIONAL* Volume: 302 Pages: 42-60 DOI: 10.1016/j.quaint.2013.02.014 Published: JUL 17 2013

Chawchai, S.; Chabangborn, A.; Kylander, M.; et al.– Lake Kumphawapi - an archive of Holocene palaeoenvironmental and palaeoclimatic changes in northeast Thailand . *QUATERNARY SCIENCE REVIEWS* Volume: 68 Pages: 59-75 DOI: 10.1016/j.quascirev.2013.01.030 Published: MAY 15 2013

Braun, M.; Hubay, K.; Magyari, E.; et al. – Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 114-122 DOI: 10.1016/j.quaint.2012.03.025 Published: APR 19 2013

McLauchlan, Kendra K.; Lascu, Ioan; Myrbo, Amy; et al. Variable ecosystem response to climate change during the Holocene in northern Minnesota, USA . *GEOLOGICAL SOCIETY OF AMERICA BULLETIN* Volume: 125 Issue: 3-4 Pages: 445-452 DOI: 10.1130/B30737.1 Published: MAR-APR 2013

Ampel, Linda; Wohlfarth, Barbara; Risberg, Jan; **Vereş, D.** et al., 2010 – Diatom assemblage dynamics during abrupt climate change: the response of lacustrine diatoms to Dansgaard-Oeschger cycles during the last glacial period. *JOURNAL OF PALEOLIMNOLOGY* **44(2)**: 397-404 DOI: 10.1007/s10933-009-9350-7

Wilson, G. P.; Frogley, M. R.; Roucoux, K. H.; et al. – Limnetic and terrestrial responses to climate change during the onset of the penultimate glacial stage in NW Greece . *GLOBAL AND PLANETARY CHANGE* **107**: 213-225 DOI: 10.1016/j.gloplacha.2013.05.015 Published: AUG 2013

Catalan, Jordi; Pla-Rabes, Sergi; Wolfe, Alexander P.; et al. – Global change revealed by palaeolimnological records from remote lakes: a review. *JOURNAL OF*

Lenaz, Davide; Marciano, Roberta; **Veres, Daniel**; et al., 2010 – Mineralogy of the Dehner and Jungferweiher maar tephra (Eifel, Germany) . *NEUES JAHRBUCH FUR GEOLOGIE UND PALAONTOLOGIE-ABHANDLUNGEN* **257(1)**: 55-67 DOI: 10.1127/0077-7749/2010/0062

Sirocko, Frank; Dietrich, Stephan; Veres, Daniel; et al. Multi-proxy dating of Holocene maar lakes and Pleistocene dry maar sediments in the Eifel, Germany . *QUATERNARY SCIENCE REVIEWS* Volume: 62 Pages: 56-76 DOI: 10.1016/j.quascirev.2012.09.011 Published: FEB 15 2013.

Suemegi, Pal; Magyari, Eniko; Daniel, Peter; et al. – Responses of terrestrial ecosystems to Dansgaard-Oeschger cycles and Heinrich-events: A 28,000-year record of environmental changes from SE Hungary . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 34-50 DOI: 10.1016/j.quaint.2012.07.032 Published: APR 19 2013

Blaauw, Maarten; Wohlfarth, Barbara; Christen, J. Andres; Vereş, D. et al., 2010– Were last glacial climate events simultaneous between Greenland and France? A quantitative comparison using non-tuned chronologies . *JOURNAL OF QUATERNARY SCIENCE* **25(3)**: 387-394 DOI: 10.1002/jqs.1330

Heymann, Christian; Nelle, Oliver; Doerfler, Walter; et al. – Late Glacial to mid-Holocene palaeoclimate development of Southern Greece inferred from the sediment sequence of Lake Stymphalia (NE-Peloponnese) *QUATERNARY INTERNATIONAL* Volume: 302 Pages: 42-60 DOI: 10.1016/j.quaint.2013.02.014 Published: JUL 17 2013.

Steinhorsdottir, Margret; Wohlfarth, Barbara; Kylander, Malin E.; et al. - Stomatal proxy record of CO₂ concentrations from the last termination suggests an important role for CO₂ at climate change transitions *QUATERNARY SCIENCE REVIEWS* Volume: 68 Pages: 43-58 DOI: 10.1016/j.quascirev.2013.02.003 Published: MAY 15 2013

Veres, Daniel; Lane, Christine S.; Timar-Gabor, Alida; et al. – The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 22-33 DOI: 10.1016/j.quaint.2012.02.042 Published: APR 19 2013.

Braun, M.; Hubay, K.; Magyari, E.; et al. – Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 114-122 DOI: 10.1016/j.quaint.2012.03.025 Published: APR 19 2013

Sirocko, Frank; Dietrich, Stephan; Veres, Daniel; et al. – Multi-proxy dating of Holocene maar lakes and Pleistocene dry maar sediments in the Eifel, Germany . *QUATERNARY SCIENCE REVIEWS* Volume: 62 Pages: 56-76 DOI: 10.1016/j.quascirev.2012.09.011 Published: FEB 15 2013

Veres, D.; Bazin, L.; Landais, A.; et al. – The Antarctic ice core chronology (AICC2012): an optimized multi-parameter and multi-site dating approach for the last 120 thousand years . *CLIMATE OF THE PAST* Volume: 9 Issue: 4 Pages: 1733-1748 DOI: 10.5194/cp-9-1733-2013 Published: 2013

Heyman, Jakob; Stroeven, Arjen P.; Alexanderson, Helena; **Vereş, D.** et al, 2009 –Palaeoglaciation of Bayan Har Shan, northeastern Tibetan Plateau: glacial geology indicates maximum extents limited to ice cap and ice field scales. *JOURNAL OF QUATERNARY SCIENCE* **24(7)**: 710-727 DOI: 10.1002/jqs.1305

Stroeven, Arjen P.; Hattestrand, Clas; Heyman, Jakob; et al.– Glacial geomorphology of the Tian Shan . *JOURNAL OF MAPS* Volume: 9 Issue: 4 Pages: 505-512 DOI: 10.1080/17445647.2013.820879 Published: OCT 1 2013

- Fu, Ping; Harbor, Jonathan M.; Stroeven, Arjen P.; et al. – Glacial geomorphology and paleoglaciation patterns in Shaluli Shan, the southeastern Tibetan Plateau - Evidence for polythermal ice cap glaciation *GEOMORPHOLOGY* Volume: 182 Pages: 66-78 DOI: 10.1016/j.geomorph.2012.10.030 Published: JAN 15 2013
- Kassab, Christine; Wang, Jie; Harbor, Jon – Glacial geomorphology of the Dalijia Shan region, northeastern Tibetan Plateau *JOURNAL OF MAPS* Volume: 9 Issue: 1 Pages: 98-105 DOI: 10.1080/17445647.2012.754729 Published: 2013
- Herenyi, Levente; **Veres, Daniel**; Bekasi, Sandor; et al., 2009 – Location of Mesoporphyrin in Liposomes Determined by Site-Selective Fluorescence Spectroscopy . *JOURNAL OF PHYSICAL CHEMISTRY B* **113(21)**: 7716-7724 DOI: 10.1021/jp9022184
- Goncalves, P. J.; Correa, D. S.; Franzen, P. L.; et al. – Effect of interaction with micelles on the excited-state optical properties of zinc porphyrins and J-aggregates formation . *SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY* Volume: 112 Pages: 309-317 DOI: 10.1016/j.saa.2013.04.065 Published: AUG 2013
- Soares, Ana R. M.; Thanaiyah, Yugaanathy; Taniguchi, Masahiko; et al. – Aqueous-membrane partitioning of beta-substituted porphyrins encompassing diverse polarity. *NEW JOURNAL OF CHEMISTRY* Volume: 37 Issue: 4 Pages: 1087-1097 DOI: 10.1039/c3nj41042k Published: 2013
- Veres, Daniel**; Lallier-Verges, Elisabeth; Wohlfarth, Barbara; et al., 2009 – Climate-driven changes in lake conditions during late MIS 3 and MIS 2: a high-resolution geochemical record from Les Echets, France . *BOREAS* **38(2)**: 230-243 DOI: 10.1111/j.1502-3885.2008.00066.x
- Zhu, Jiayun; Luecke, Andreas; Wissel, Holger; et al.– The last Glacial-Interglacial transition in Patagonia, Argentina: the stable isotope record of bulk sedimentary organic matter from Laguna Potrok Aike PASADO Sci Team. *QUATERNARY SCIENCE REVIEWS* Volume: 71 Special Issue: SI Pages: 205-218 DOI: 10.1016/j.quascirev.2012.05.025 Published: JUL 1 2013
- Braun, M.; Hubay, K.; Magyari, E.; et al. – Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 114-122 DOI: 10.1016/j.quaint.2012.03.025 Published: APR 19 2013
- Karatson, David; Telbisz, Tamas; Harangi, Szabolcs; et al. – Morphometrical and geochronological constraints on the youngest eruptive activity in East-Central Europe at the Ciomadul (Csomad) lava dome complex, East Carpathians . *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH* Volume: 255 Pages: 43-56 DOI: 10.1016/j.jvolgeores.2013.01.013 Published: APR 1 2013
- Wilson, G. P.; Frogley, M. R.; Roucoux, K. H.; et al. – Limnetic and terrestrial responses to climate change during the onset of the penultimate glacial stage in NW Greece. *GLOBAL AND PLANETARY CHANGE* Volume: 107 Pages: 213-225 DOI: 10.1016/j.gloplacha.2013.05.015 Published: AUG 2013
- Hahn, A.; Kliem, P.; Ohlendorf, C.; et al. – Climate induced changes as registered in inorganic and organic sediment components from Laguna Potrok Aike (Argentina) during the past 51 ka . *QUATERNARY SCIENCE REVIEWS* Volume: 71 Special Issue: SI Pages: 154-166 DOI: 10.1016/j.quascirev.2012.09.015 Published: JUL 1 2013
- Jones, Timothy D.; Lawson, Ian T.; Reed, Jane M.; et al. – Diatom-inferred late Pleistocene and Holocene palaeolimnological changes in the Ioannina basin, northwest Greece . *JOURNAL OF PALEOLIMNOLOGY* Volume: 49 Issue: 2 Pages: 185-204 DOI: 10.1007/s10933-012-9654-x Published: FEB 2013

Wohlfarth, Barbara; **Veres, Daniel**; Ampel, Linda; et al., 2008 – Rapid ecosystem response to abrupt climate changes during the last glacial period in western Europe, 40-16 ka . *GEOLOGY* **36(5)**: 407-410 DOI: 10.1130/G24600A.1

Wilson, G. P.; Frogley, M. R.; Roucoux, K. H.; et al. – Limnetic and terrestrial responses to climate change during the onset of the penultimate glacial stage in NW Greece . *GLOBAL AND PLANETARY CHANGE* Volume: 107 Pages: 213-225 DOI: 10.1016/j.gloplacha.2013.05.015 Published: AUG 2013

Suemegi, Pal; Magyari, Eniko; Daniel, Peter; et al. – Responses of terrestrial ecosystems to Dansgaard-Oeshger cycles and Heinrich-events: A 28,000-year record of environmental changes from SE Hungary . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 34-50 DOI: 10.1016/j.quaint.2012.07.032 Published: APR 19 2013

McLauchlan, Kendra K.; Lascu, Ioan; Myrbo, Amy; et al. – Variable ecosystem response to climate change during the Holocene in northern Minnesota, USA . *GEOLOGICAL SOCIETY OF AMERICA BULLETIN* Volume: 125 Issue: 3-4 Pages: 445-452 DOI: 10.1130/B30737.1 Published: MAR-APR 2013

Frechette, Bianca; de Vernal, Anne – Evidence for large-amplitude biome and climate changes in Atlantic Canada during the last interglacial and mid-Wisconsinan periods . *QUATERNARY RESEARCH* Volume: 79 Issue: 2 Pages: 242-255 DOI: 10.1016/j.yqres.2012.11.011 Published: MAR 2013

Richter, Daniel; Hublin, Jean-Jacques; Jaubert, Jacques; et al. – Thermoluminescence dates for the Middle Palaeolithic site of Chez-Pinaud Jonzac (France) . *JOURNAL OF ARCHAEOLOGICAL SCIENCE* Volume: 40 Issue: 2 Pages: 1176-1185 DOI: 10.1016/j.jas.2012.09.003 Published: FEB 2013

Veres, Daniel; Davies, Siwan M.; Wohlfarth, Barbara; et al., 2008 – Age, origin and significance of a new middle MIS 3 tephra horizon identified within a long-core sequence from Les Echets, France. *BOREAS* **37(3)**: 434-443 DOI: 10.1111/j.1502-3885.2008.00028.x

Veres, Daniel; Lane, Christine S.; Timar-Gabor, Alida; et al. – The Campanian Ignimbrite/Y5 tephra layer - A regional stratigraphic marker for Isotope Stage 3 deposits in the Lower Danube region, Romania *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 22-33 DOI: 10.1016/j.quaint.2012.02.042 Published: APR 19 2013

Karatson, David; Telbisz, Tamas; Harangi, Szabolcs; et al. – Morphometrical and geochronological constraints on the youngest eruptive activity in East-Central Europe at the Ciomadul (Csomad) lava dome complex, East Carpathians . *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH* Volume: 255 Pages: 43-56 DOI: 10.1016/j.jvolgeores.2013.01.013 Published: APR 1 2013

Sirocko, Frank; Dietrich, Stephan; Veres, Daniel; et al. – Multi-proxy dating of Holocene maar lakes and Pleistocene dry maar sediments in the Eifel, Germany *QUATERNARY SCIENCE REVIEWS* Volume: 62 Pages: 56-76 DOI: 10.1016/j.quascirev.2012.09.011 Published: FEB 15 2013

Moldovan, Oana Teodora; Levei, Erika; **Marin, Constantin**; **Brad, T.**, **Meleg, I.**, **Iepure, S.**, **Povară, I.** et al., 2011 – Spatial distribution patterns of the hyporheic invertebrate communities in a polluted river in Romania . *HYDROBIOLOGIA* **669(1)**: 63-82 DOI: 10.1007/s10750-011-0651-2

Iepure, Sanda; Martinez-Hernandez, Virtudes; Herrera, Sonia; et al. – Response of microcrustacean communities from the surface-groundwater interface to water contamination in urban river system of the Jarama basin (central Spain) . *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH* Volume: 20 Issue: 8 Pages: 5813-5826 DOI: 10.1007/s11356-013-1529-9 Published: AUG 2013

Moldovan, Oana Teodora; Meleg, Ioana Nicoleta; Levei, Erika; et al – A simple method for assessing biotic indicators and predicting biodiversity in the hyporheic zone of a river polluted with metals . *ECOLOGICAL INDICATORS* Volume: 24 Pages: 412-420 DOI: 10.1016/j.ecolind.2012.07.019 Published: JAN 2013

Meleg, Ioana N.; Moldovan, Oana T.; Iepure, Sanda; Brad, T. et al., 2011 – Diversity patterns of fauna in dripping water of caves from Transylvania . *ANNALES DE LIMNOLOGIE-INTERNATIONAL JOURNAL OF LIMNOLOGY* **47(2)**: 185-197 DOI: 10.1051/limn/2011014

Pipan, Tanja; Culver, David C. – Forty years of epikarst: what biology have we learned? . *INTERNATIONAL JOURNAL OF SPELEOLOGY* Volume: 42 Issue: 3 Pages: 215-223 DOI: 10.5038/1827-806X.42.3.5 Published: 2013

Brad, Traian; van Breukelen, Boris M.; Braster, Martin; et al., 2008 – Spatial heterogeneity in sediment-associated bacterial and eukaryotic communities in a landfill leachate-contaminated aquifer . *FEMS MICROBIOLOGY ECOLOGY* **65(3)**: 534-543 DOI: 10.1111/j.1574-6941.2008.00533.x

Brow, Christina N.; Johnson, Reid O'Brien; Johnson, Richard L.; et al. – Assessment of Anaerobic Toluene Biodegradation Activity by bssA Transcript/Gene Ratios . *APPLIED AND ENVIRONMENTAL MICROBIOLOGY* Volume: 79 Issue: 17 Pages: 5338-5344 DOI: 10.1128/AEM.01031-13 Published: SEP 2013

Stephenson, S.; Chariton, A. A.; Holley, M. P.; et al. – Changes in Prokaryote and Eukaryote Assemblages Along a Gradient of Hydrocarbon Contamination in Groundwater . *GEOMICROBIOLOGY JOURNAL* Volume: 30 Issue: 7 Pages: 623-634 DOI: 10.1080/01490451.2012.746408 Published: AUG 9 2013

Brad, Traian; Braster, Martin; van Breukelen, Boris M.; et al., 2008 – Eukaryotic diversity in an anaerobic aquifer polluted with landfill leachate. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY* **74(13)**: 3959-3968 DOI: 10.1128/AEM.02820-07

Stephenson, S.; Chariton, A. A.; Holley, M. P.; et al. – Changes in Prokaryote and Eukaryote Assemblages Along a Gradient of Hydrocarbon Contamination in Groundwater . *GEOMICROBIOLOGY JOURNAL* Volume: 30 Issue: 7 Pages: 623-634 DOI: 10.1080/01490451.2012.746408 Published: AUG 9 2013

Livermore, Joshua A.; Mattes, Timothy E. – Phylogenetic detection of novel Cryptomycota in an Iowa (United States) aquifer and from previously collected marine and freshwater targeted high-throughput sequencing sets *ENVIRONMENTAL MICROBIOLOGY* Volume: 15 Issue: 8 Pages: 2333-2341 DOI: 10.1111/1462-2920.12106 Published: AUG 2013

Holmes, Dawn E.; Giloteaux, Ludovic; Williams, Kenneth H.; et al. – Enrichment of specific protozoan populations during in situ bioremediation of uranium-contaminated groundwater . *ISME JOURNAL* Volume: 7 Issue: 7 Pages: 1286-1298 DOI: 10.1038/ismej.2013.20 Published: JUL 2013

Mbanaso, F. U.; Coupe, S. J.; Charlesworth, S. M.; et al. – Laboratory-based experiments to investigate the impact of glyphosate-containing herbicide on pollution attenuation and biodegradation in a model pervious paving system . *CHEMOSPHERE* Volume: 90 Issue: 2 Pages: 737-746 DOI: 10.1016/j.chemosphere.2012.09.058 Published: JAN 2013

Moldovan, Oana T.; Meleg, Ioana Nicoleta; Levei, Erika; **Terente, Mihai,** 2013– A simple method for assessing biotic indicators and predicting biodiversity in the hyporheic zone of a river polluted with metals. *ECOLOGICAL INDICATORS* **24** : 412-420 DOI: 10.1016/j.ecolind.2012.07.019

Di Marzio, W. D.; Castaldo, D.; Di Lorenzo, T.; et al. – Developmental endpoints of chronic exposure to suspected endocrine-disrupting chemicals on benthic and hyporheic freshwater

copepods . ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 96
Pages: 86-92 DOI: 10.1016/j.ecoenv.2013.06.029 Published: OCT 1 2013

Leigh, Catherine; Stubbington, Rachel; Sheldon, Fran; et al. – Hyporheic invertebrates as bioindicators of ecological health in temporary rivers: A meta-analysis . ECOLOGICAL INDICATORS Volume: 32 Pages: 62-73 DOI: 10.1016/j.ecolind.2013.03.006
Published: SEP 2013

Moldovan, Oana Teodora; Racovita, Gheorghe; Dunay, Gejza, 2007– Reconsidering *Pholeuon* C. Hampe (Coleoptera : Leiodidae : Cholevinae), with the description of a new subgenus . *ZOOTAXA* **1449**: 31-43.

Nitzu, Eugen – The Cholevinae of Romania (exclusive of Leptodirini) (Coleoptera, Leiodidae) with special reference to the hypogean records . *ZOOTAXA* Volume: 3620 Issue: 3 Pages: 351-378 Published: MAR 7 2013

Rougier, Helene; Milota, Stefan; Rodrigo, Ricardo; **Moldovan, O. T., Constantin, S.**, 2007 – Pesteră cu Oase 2 and the cranial morphology of early modern Europeans . *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA* **104(4)**: 1165-1170 DOI: 10.1073/pnas.0610538104

Ahern, James C. M.; Jankovic, Ivor; Voisin, Jean-Luc; et al.– Modern Human Origins in Central Europe Book Editor(s): Smith, FH; Ahern, JCM. ORIGINS OF MODERN HUMANS: BIOLOGY RECONSIDERED, 2ND EDITION Pages: 151-221 Published: 2013

Hublin, Jean-Jacques – The Makers of the Early Upper Paleolithic in Western Eurasia . Book Editor(s): Smith, FH; Ahern, JCM. ORIGINS OF MODERN HUMANS: BIOLOGY RECONSIDERED, 2ND EDITION Pages: 223-252 Published: 2013

Caspari, Rachel; Wolpoff, Milford H.– The Process of Modern Human Origins: The Evolutionary and Demographic Changes Giving Rise to Modern Humans . Book Editor(s): Smith, FH; Ahern, JCM. ORIGINS OF MODERN HUMANS: BIOLOGY RECONSIDERED, 2ND EDITION Pages: 355-391 Published: 2013

Dabrowski, P.; Nowaczewska, W.; Stringer, C. B.; et al. – A Neanderthal lower molar from Stajnia Cave, Poland HOMO-JOURNAL OF COMPARATIVE HUMAN BIOLOGY Volume: 64 Issue: 2 Pages: 89-103 DOI: 10.1016/j.jchb.2013.01.001
Published: 2013

Moldovan, Oana Teodora; Rajka, Geza, 2007 – Historical biogeography of subterranean beetles - "Plato's cave" or scientific evidence? Conference: Time in Kurst Meeting Location: Postojna, SLOVENIA. *ACTA CARSOLOGICA* **36(1)**: 77-86

Meleg, Ioana Nicoleta; Zaksek, Valerija; Fiser, Cene; et al. 0 Can Environment Predict Cryptic Diversity? The Case of *Niphargus* Inhabiting Western Carpathian Groundwater . PLOS ONE Volume: 8 Issue: 10 Article Number: e76760 DOI: 10.1371/journal.pone.0076760 Published: OCT 21 2013

Quiles, Jerome; **Petrea, Catalin; Moldovan, Oana; Constantin, S.** et al., 2006 – Cave bears (*Ursus spelaeus*) from the Pesteră cu Oase (Banat, Romania): Paleobiology and taphonomy. *COMPTES RENDUS PALEVOL* **5(8)**: 927-934 DOI: 10.1016/j.crpv.2006.09.005.

Sala, Nohemi; Luis Arsuaga, Juan – Taphonomic studies with wild brown bears (*Ursus arctos*) in the mountains of northern Spain . JOURNAL OF ARCHAEOLOGICAL SCIENCE Volume: 40 Issue: 2 Pages: 1389-1396 DOI: 10.1016/j.jas.2012.10.018
Published: FEB 2013

Pinto-Llona, Ana C. – Macrowear and occlusal microwear on teeth of cave bears *Ursus spelaeus* and brown bears *Ursus arctos*: Inferences concerning diet .

Korponai, Janos; Magyari, Enikoe Katalin; Buczko, Krisztina; **Iepure, Sanda**, 2011–Cladocera response to Late Glacial to Early Holocene climate change in a South Carpathian mountain lake . *HYDROBIOLOGIA* **676(1)**: 223-235 DOI: 10.1007/s10750-011-0881-3

Nevalainen, Liisa; Helama, Samuli; Luoto, Tomi P. – Hydroclimatic variations over the last millennium in eastern Finland disentangled by fossil Cladocera . PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY Volume: 378 Pages: 13-21 DOI: 10.1016/j.palaeo.2013.03.016 Published: MAY 15 2013

Braun, M.; Hubay, K.; Magyari, E.; et al. – Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains . QUATERNARY INTERNATIONAL Volume: 293 Pages: 114-122 DOI: 10.1016/j.quaint.2012.03.025 Published: APR 19 2013

Buczko, Krisztina; Magyari, Eniko Katalin; Braun, Mihaly; et al – Diatom-inferred lateglacial and Holocene climatic variability in the South Carpathian Mountains (Romania) . QUATERNARY INTERNATIONAL Volume: 293 Pages: 123-135 DOI: 10.1016/j.quaint.2012.04.042 Published: APR 19 2013

Iepure, Sanda; Defaye, Danielle, 2008 – The *Acanthocyclops kieferi* complex (Copepoda, Cyclopoida) from south-eastern Europe, with description of a new species . *CRUSTACEANA* **81(5)**: 611-630.

Mercado-Salas, Nancy F.; Alvarez-Silva, Carlos – A new *Acanthocyclops Kiefer*, 1927 (Cyclopoida: Cyclopinae) from an ecological reserve in Mexico City . JOURNAL OF NATURAL HISTORY Volume: 47 Issue: 5-12 Pages: 499-515 DOI: 10.1080/00222933.2012.742589 Published: MAR 1 2013

Iepure, Sanda; Namiotko, Tadeusz; Danielopol, Dan L., 2007.– Evolutionary and taxonomic aspects within the species group *Pseudocandona eremita* (Vejdovsky) (Ostracoda, Candonidae) . Conference: 15th International Symposium on Ostracoda Location: Berlin, GERMANY Date: 2005. *HYDROBIOLOGIA* **585**: 159-180 DOI: 10.1007/s10750-007-0636-3

Peterson, Dawn E.; Finger, Kenneth L.; Iepure, Sanda; et al. – Ostracod Assemblage in the Frasassi Caves and adjacent sulfidic spring and Sentino River in the Northeastern Apennines of Italy . *JOURNAL OF CAVE AND KARST STUDIES* Volume: 75 Issue: 1 Pages: 11-27 DOI: 10.4311/2011PA0230 Published: APR 2013

Borda, D; Borda, C; **Tamas, T**, 2004 – Bats, climate, and air microorganisms in a Romanian cave Conference: 9th European Bat Research Symposium Location: Le Havre, FRANCE Date: AUG 26-30, 2002 . *MAMMALIA* **68(4)**: 337-343 DOI: 10.1515/mamm.2004.033

Vanderwolf, Karen J.; Malloch, David; McAlpine, Donald F.; et al. – A world review of fungi, yeasts, and slime molds in caves. INTERNATIONAL JOURNAL OF SPELEOLOGY Volume: 42 Issue: 1 Pages: 77-96 DOI: 10.5038/1827-806X.42.1.9 Published: 2013

Ribera, Ignacio; Fresneda, Javier; **Bucur, Ruxandra**; et al., 2010 – Ancient origin of a Western Mediterranean radiation of subterranean beetles . *BMC EVOLUTIONARY BIOLOGY* **10** Article Number: 29 DOI: 10.1186/1471-2148-10-29

Rizzo, Valeria; Comas, Jordi; Fadrique, Floren; et al. – Early Pliocene range expansion of a clade of subterranean Pyrenean beetles . JOURNAL OF BIOGEOGRAPHY Volume: 40 Issue: 10 Pages: 1861-1873 DOI: 10.1111/jbi.12139 Published: OCT 2013

Zhang, Yuanyuan; Li, Shuqiang – Ancient lineage, young troglobites: recent colonization of caves by *Nesticella* spiders . BMC EVOLUTIONARY BIOLOGY Volume: 13 Article Number: 183 DOI: 10.1186/1471-2148-13-183 Published: SEP 4 2013

Faille, Arnaud; Fresneda, Javier; Bourdeau, Charles – Discovery of a new blind ground beetle in western French Pyrenees, and its relevance to the phylogeny of Pyrenean hypogean Trechini . *ZOOTAXA* Volume: 3686 Issue: 4 Pages: 482-492 Published: JUL 15 2013

Bradford, T. M.; Adams, M.; Guzik, M. T.; et al.– Patterns of population genetic variation in sympatric chiltoniid amphipods within a calcrete aquifer reveal a dynamic subterranean environment . *HEREDITY* Volume: 111 Issue: 1 Pages: 77-85 DOI: 10.1038/hdy.2013.22 Published: JUL 2013

Manuel, Michael – A new semi-subterranean diving beetle of the *Hydroporus* normandi-complex from south-eastern France, with notes on other taxa of the complex (Coleoptera: Dytiscidae) . *ZOOTAXA* Volume: 3652 Issue: 4 Pages: 453-474 Published: MAY 20 2013

Klaus, Sebastian; Mendoza, Jose C. E.; Liew, Jia Huan; et al. – Rapid evolution of troglomorphic characters suggests selection rather than neutral mutation as a driver of eye reduction in cave crabs . *BIOLOGY LETTERS* Volume: 9 Issue: 2 Article Number: 20121098 DOI: 10.1098/rsbl.2012.1098 Published: APR 23 2013

Niemiller, Matthew L.; McCandless, James R.; Reynolds, R. Graham; et al. – Effects of climatic and geological processes during the Pleistocene on the evolutionary history of the northern cavefish, *Amblyopsis Spelaea* (Teleostei: Amblyopsidae) . *EVOLUTION* Volume: 67 Issue: 4 Pages: 1011-1025 DOI: 10.1111/evo.12017 Published: APR 2013

Trizzino, Marco; Jaech, Manfred A.; Audisio, Paolo; et al.– A molecular phylogeny of the cosmopolitan hyperdiverse genus *Hydraena* Kugelann (Coleoptera, Hydraenidae) . *SYSTEMATIC ENTOMOLOGY* Volume: 38 Issue: 1 Pages: 192-208 DOI: 10.1111/j.1365-3113.2012.00654.x Published: JAN 2013

Feurdean, Angelica; Tamas, Tudor; Tantau, Ioan; et al., 2012 – Elevational variation in regional vegetation responses to late-glacial climate changes in the Carpathians . *JOURNAL OF BIOGEOGRAPHY* **39(2)**: 258-271 DOI: 10.1111/j.1365-2699.2011.02605.x

Feurdean, Angelica; Bhagwat, Shonil A.; Willis, Katherine J.; et al. – Tree Migration-Rates: Narrowing the Gap between Inferred Post-Glacial Rates and Projected Rates . *PLOS ONE* Volume: 8 Issue: 8 Article Number: e71797 DOI: 10.1371/journal.pone.0071797 Published: AUG 26 2013

Feurdean, Angelica; Parr, Catherine L.; Tantau, Ioan; et al. – Biodiversity variability across elevations in the Carpathians: Parallel change with landscape openness and land use . *HOLOCENE* Volume: 23 Issue: 6 Pages: 869-881 DOI: 10.1177/0959683612474482 Published: JUN 2013

Connor, Simon E.; Ross, Shawn A.; Sobotkova, Adela; et al. – Environmental conditions in the SE Balkans since the Last Glacial Maximum and their influence on the spread of agriculture into Europe . *QUATERNARY SCIENCE REVIEWS* Volume: 68 Pages: 200-215 DOI: 10.1016/j.quascirev.2013.02.011 Published: MAY 15 2013

Farcas, Sorina; Tantau, Ioan; Mindrescu, Marcel; et al.– Holocene vegetation history in the Maramures Mountains (Northern Romanian Carpathians) . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 92-104 DOI: 10.1016/j.quaint.2012.03.057 Published: APR 19 2013

Using linear discriminant analysis (LDA) of bulk lake sediment geochemical data to reconstruct lateglacial climate changes in the South Carpathian Mountains . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 114-122 DOI: 10.1016/j.quaint.2012.03.025 Published: APR 19 2013

Mindrescu, M.; Cristea, A. I.; Hutchinson, S. M.; et al. – Interdisciplinary investigations of the first reported laminated lacustrine sediments in Romania . *QUATERNARY*

INTERNATIONAL Volume: 293 Pages: 219-230 DOI: 10.1016/j.quaint.2012.08.2105
Published: APR 19 2013

Pauls, Steffen U.; Nowak, Carsten; Balint, Miklos; et al. – The impact of global climate change on genetic diversity within populations and species . MOLECULAR ECOLOGY Volume: 22 Issue: 4 Pages: 925-946 DOI: 10.1111/mec.12152 Published: FEB 2013

Johnston, Vanessa E.; McDermott, Frank; **Tamas, Tudor**, 2010 – A radiocarbon dated bat guano deposit from NW Romania: Implications for the timing of the Little Ice Age and Medieval Climate Anomaly . *PALAEOGEOG. PALAEOCLIMATOLOGY PALAEOECOLOGY* **291(3-4)**: 217-227

Salvarina, Ioanna; Yohannes, Elizabeth; Siemers, Bjoern M.; et al. – Advantages of using fecal samples for stable isotope analysis in bats: evidence from a triple isotopic experiment . RAPID COMMUNICATIONS IN MASS SPECTROMETRY Volume: 27 Issue: 17 Pages: 1945-1953 DOI: 10.1002/rcm.6649 Published: SEP 15 2013

Faivre, Sanja; Bakran-Petricioli, Tatjana; Horvatincic, Nada; et al. – Distinct phases of relative sea level changes in the central Adriatic during the last 1500 years - influence of climatic variations? PALAEOGEOGRAPHY PALAEOCLIMAT. PALAEOECOLOGY Volume: 369 Pages: 163-174 DOI: 10.1016/j.palaeo.2012.10.016 Published: JAN 1 2013

Feurdean, Angelica; Klotz, Stefan; Brewer, Simon; **Tamaş, Tudor** et al., 2008 – Lateglacial climate development in NW Romania - Comparative results from three quantitative pollen-based methods *PALAEOGEOG. PALAEOCLIMATOLOGY PALAEOECOLOGY* **265(1-2)**: 121-133

Michczynski, Adam; Kolaczek, Piotr; Margielewski, Włodzimierz; et al. – Radiocarbon Age-Depth modeling prevents misinterpretation of past vegetation dynamics: case study of Wierchomila Mire (Polish outer Carpathians). *RADIOCARBON* Volume: 55 Issue: 2-3 Pages: 1724-1734 Published: 2013

Chen, Yin; Wu, Liqin; Boden, Rich; **Hillebrand Alexandra** et al., 2009 – Life without light: microbial diversity and evidence of sulfur- and ammonium-based chemolithotrophy in Movile Cave. *ISME JOURNAL* **3(9)**: 1093-1104 DOI: 10.1038/ismej.2009.57

Shabarova, Tanja; Widmer, Franco; Pernthaler, Jakob– Mass effects meet species sorting: transformations of microbial assemblages in epiphreatic subsurface karst water pools . ENVIRONMENTAL MICROBIOLOGY Volume: 15 Issue: 9 Special Issue: SI Pages: 2476-2488 DOI: 10.1111/1462-2920.12124 Published: SEP 2013

Kostanjsek, Rok; Pasic, Lejla; Daims, Holger; et al.– Structure and Community Composition of Sprout-Like Bacterial Aggregates in a Dinaric Karst Subterranean Stream . MICROBIAL ECOLOGY Volume: 66 Issue: 1 Pages: 5-18 DOI: 10.1007/s00248-012-0172-1 Published: JUL 2013

Headd, Brendan; Engel, Annette Summers – Evidence for Niche Partitioning Revealed by the Distribution of Sulfur Oxidation Genes Collected from Areas of a Terrestrial Sulfidic Spring with Differing Geochemical Conditions *APPLIED AND ENVIRONMENTAL MICROBIOLOGY* Volume: 79 Issue: 4 Pages: 1171-1182 DOI: 10.1128/AEM.02812-12 Published: FEB 2013

Kaiser, Jean-Pierre; Zuin, Stefano; Wick, Peterm– Is nanotechnology revolutionizing the paint and lacquer industry? A critical opinion . *SCIENCE OF THE TOTAL ENVIRONMENT* Volume: 442 Pages: 282-289 DOI: 10.1016/j.scitotenv.2012.10.009 Published: JAN 1 2013

Richards, Michael P.; Pacher, Martina; Stiller, Mathias; **Constantin, S.** et al., 2008 –Isotopic evidence for omnivory among European cave bears: Late Pleistocene *Ursus spelaeus* from the Pesteră Cu Oase, Romania . *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA* **105(2)**: 600-604 DOI: 10.1073/pnas.0711063105

Stynder, Deano D.; Kupczik, Kornelius– Tooth Root Morphology in the Early Pliocene African Bear *Agriotherium africanum* (Mammalia, Carnivora, Ursidae) and its Implications for Feeding Ecology . *JOURNAL OF MAMMALIAN EVOLUTION* Volume: 20 Issue: 3 Pages: 227-237 DOI: 10.1007/s10914-012-9218-x Published: SEP 2013

Robu, Marius; Fortin, Jennifer K.; Richards, Michael P.; et al. – Isotopic evidence for dietary flexibility among European Late Pleistocene cave bears (*Ursus spelaeus*) . *CANADIAN JOURNAL OF ZOOLOGY-REVUE CANADIENNE DE ZOOLOGIE* Volume: 91 Issue: 4 Pages: 227-234 DOI: 10.1139/cjz-2012-0222 Published: APR 2013

Pinto-Llona, Ana C. – Macrowear and occlusal microwear on teeth of cave bears *Ursus spelaeus* and brown bears *Ursus arctos*: Inferences concerning diet . *PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY* Volume: 370 Pages: 41-50 DOI: 10.1016/j.palaeo.2012.11.017 Published: JAN 15 2013

Saladie, P.; Huguet, R.; Diez, C.; et al. – Taphonomic modifications produced by modern brown bears (*Ursus arctos*) . *INTERNATIONAL JOURNAL OF OSTEOARCHAEOLOGY* Volume: 23 Issue: 1 Pages: 13-33 DOI: 10.1002/oa.1237 Published: JAN-FEB 2013.

Constantin, Silviu; Bojar, Ana-Voica; Lauritzen, Stein-Erik; et al., 2007 – Holocene and Late Pleistocene climate in the sub-Mediterranean continental environment: A speleothem record from Poleva Cave (Southern Carpathians, Romania) . *PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY* **243(3-4)**: 322-338 DOI: 10.1016/j.palaeo.2006.08.001

Onaca, Alexandru L.; Urdea, Petru; Ardelean, Adrian C. – Internal Structure and Permafrost Characteristics of the Rock Glaciers of Southern Carpathians (Romania) Assessed by Geoelectrical Soundings and Thermal Monitoring *GEOGRAFISKA ANNALER SERIES A-PHYSICAL GEOGRAPHY* Volume: 95 Issue: 3 Pages: 249-266 DOI: 10.1111/geoa.12014 Published: SEP 2013

Prado-Perez, Antonio J.; Delgado Huertas, Antonio; Crespo, M. T.; et al. – Late Pleistocene and Holocene mid-latitude palaeoclimatic and palaeoenvironmental reconstruction: an approach based on the isotopic record from a travertine formation in the Guadix-Baza basin, Spain . *GEOLOGICAL MAGAZINE* Volume: 150 Issue: 4 Pages: 602-625 DOI: 10.1017/S0016756812000726 Published: JUL 2013

Buczko, Krisztina; Magyari, Eniko Katalin; Braun, Mihaly; et al. – Diatom-inferred lateglacial and Holocene climatic variability in the South Carpathian Mountains (Romania) . *QUATERNARY INTERNATIONAL* Volume: 293 Pages: 123-135 DOI: 10.1016/j.quaint.2012.04.042 Published: APR 19 2013

Magyari, E. K.; Demeny, A.; Buczko, K.; et al. – A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes *QUATERN. INTERNATIONAL* Volume: 293 Pages: 136-149 DOI: 10.1016/j.quaint.2012.05.042 Published: APR 19 2013

Sherwood, Sarah C.; Windingstad, Jason D.; Barker, Alex W.; et al. – Evidence for Holocene Aeolian Activity at the Close of the Middle Bronze Age in the Eastern Carpathian Basin: Geoarchaeological Results from the Mure River Valley, Romania . *GEOARCHAEOLOGY-AN INTERNATIONAL JOURNAL* Volume: 28 Issue: 2 Pages: 131-146 DOI: 10.1002/gea.21434 Published: MAR-APR 2013

Mitrofan, Horia; **Povara, Ioan**; Maftciu, Mihai, 2008 – Geoelectrical investigations by means of resistivity methods in karst areas in Romania . *ENVIRONMENTAL GEOLOGY* **55(2)**: 405-413

Pueyo Anchuela, O.; Pocovi Juan, A.; Casas-Sainz, A. M.; et al. – Actual extension of sinkholes: Considerations about geophysical, geomorphological, and field inspection techniques in urban planning projects in the Ebro basin (NE Spain) .

Cogalniceanu, Dan; Szekely, Paul; Samoila, Ciprian; **Plăiașu R.**, 2013 – Diversity and distribution of amphibians in Romania. *ZOOKEYS* **296**: 35-57 DOI: 10.3897/zookeys.296.4872

Cogalniceanu, Dan; Rozyłowicz, Laurentiu; Szekely, Paul; et al. – Diversity and distribution of reptiles in Romania *ZOOKEYS* Issue: 341 Pages: 49-76 DOI: 10.3897/zookeys.341.5502 Published: 2013

Bancila, Raluca Ioana; Plaiasu, Rodica; Tudor, Marian; et al., 2012 – Fluctuating Asymmetry in the Eurasian Spur-Thighed Tortoise, *Testudo graeca iberica* Linnaeus, 1758 (Testudines: Testudinidae). *CHELONIAN CONSERVATION AND BIOLOGY* **11(2)**: 234-239

Buica, Gabriel; Cogalniceanu, Dan – Using digital images in the study of fluctuating asymmetry in the spur-thighed tortoise *Testudo graeca*. *TURKISH JOURNAL OF ZOOLOGY* Volume: 37 Issue: 6 Pages: 723-729 DOI: 10.3906/zoo-1302-19 Published: 2013

Plaiasu, Rodica; Bancila, Raluca; Samoila, Ciprian; et al., 2012 – Waterbody availability and use by amphibian communities in a rural landscape. *HERPETOLOGICAL JOURNAL* 22(1): 13-21

Hartel, Tibor; von Wehrden, Henrik – Farmed Areas Predict the Distribution of Amphibian Ponds in a Traditional Rural Landscape. *PLOS ONE* Volume: 8 Issue: 5 Article Number: e63649 DOI: 10.1371/journal.pone.0063649 Published: MAY 21 2013

Bancila, Raluca Ioana; Hartel, Tibor; **Plaiasu, Rodica;** et al., 2010 – Comparing three body condition indices in amphibians: a case study of yellow-bellied toad *Bombina variegata*. *AMPHIBIA-REPTILIA* **31(4)**: 558-562 DOI: 10.1163/017353710X518405

Sztatecsny, Marc; Gallauner, Angelina; Klotz, Luisa; et al. – The presence of common frogs (*Rana temporaria*) increases the body condition of syntopic Alpine newts (*Ichthyosaura alpestris*) in oligotrophic high-altitude ponds: benefits of high-energy prey in a low-productivity habitat. *ANNALES ZOOLOGICI FENNICI* Volume: 50 Issue: 4 Pages: 209-215 Published: AUG 30 2013

Humfeld, Sarah C. – Condition-dependent signaling and adoption of mating tactics in an amphibian with energetic displays. *BEHAVIORAL ECOLOGY* Volume: 24 Issue: 4 Pages: 859-870 DOI: 10.1093/beheco/art024 Published: JUL-AUG 2013

Peterson, John D.; Steffen, John E.; Reinert, Laura K.; et al. – Host Stress Response Is Important for the Pathogenesis of the Deadly Amphibian Disease, Chytridiomycosis, in *Litoria caerulea*. *PLOS ONE* Volume: 8 Issue: 4 Article Number: e62146 DOI: 10.1371/journal.pone.0062146 Published: APR 22 2013

Szekely, Paul; **Plaiasu, Rodica;** Tudor, Marian; et al., 2009 – The Distribution and Conservation Status of Amphibians in Dobrudja (Romania). *TURKISH JOURN. OF ZOOLOGY* **33(2)**: 147-156

Cogalniceanu, Dan; Szekely, Paul; Samoila, Ciprian; et al. – Diversity and distribution of amphibians in Romania *ZOOKEYS* Issue: 296 Pages: 35-57 DOI: 10.3897/zookeys.296.4872 Published: 2013

Hartel, Tibor; **Bancila, Raluca;** Cogalniceanu, Dan, 2011 – Spatial and temporal variability of aquatic habitat use by amphibians in a hydrologically modified landscape. *FRESHWATER BIOLOGY* **56(11)**: 2288-2298 DOI: 10.1111/j.1365-2427.2011.02655.x

Hartel, Tibor; von Wehrden, Henrik – Farmed Areas Predict the Distribution of Amphibian Ponds in a Traditional Rural Landscape. *PLOS ONE* Volume: 8 Issue: 5 Article Number: e63649 DOI: 10.1371/journal.pone.0063649 Published: MAY 21 2013

Bernardes, Marta; Roedder, Dennis; Tao Thien Nguyen; et al. – Habitat characterization and potential distribution of *Tylototriton vietnamensis* in northern Vietnam. *JOURNAL OF*

NATURAL HISTORY Volume: 47 Issue: 17-18 Pages: 1161-1175 DOI: 10.1080/00222933.2012.743611 Published: MAY 1 2013

Bogdan, H. V.; Covaciu-Marcov, S. -D.; Gaceu, O.; et al. – How do we share food? Feeding of four amphibian species from an aquatic habitat in south-western Romania . ANIMAL BIODIVERSITY AND CONSERVATION Volume: 36 Issue: 1 Pages: 89-99 Published: 2013

Nitzu, Eugen; Olenici, Nicolai, 2009– The first study on the beetle fauna in the Giumalau spruce primeval forest (Eastern Carpathians, Romania), mainly based on a quantitative analysis of terrestrial and saproxylic species . Book Editor(s): Buse, J; Alexander, KNA; Ranius, T; et al. **5th Conference on Saproxylic Beetles Location: Leuphana Univ, Inst Ecol & Environm Chem, Luneburg, GERMANY Date: JUN 14-16, 2008.** SAPROXYLIC BEETLES: THEIR ROLE AND DIVERSITY IN EUROPEAN WOODLAND AND TREE HABITATS - PROCEEDINGS OF THE 5TH SYMPOSIUM AND WORKSHOP Book Series: Pensoft Series Faunistica Issue: 89 Pages: 27-48 Published: 2009

Nitzu, Eugen – The Cholevinae of Romania (exclusive of Leptodirini) (Coleoptera, Leiodidae) with special reference to the hypogeal records . ZOOTAXA Volume: 3620 Issue: 3 Pages: 351-378 Published: MAR 7 2013

Constantin, Mihaela; Bednarik, Martin; Jurchescu, Marta C.; **Vlaicu M.** et al., 2011– Landslide susceptibility assessment using the bivariate statistical analysis and the index of entropy in the Sibiciu Basin (Romania) . ENVIRONMENTAL EARTH SCIENCES **63(2)**: 397-406

Pourghasemi, H. R.; Moradi, H. R.; Aghda, S. M. Fatemi – Landslide susceptibility mapping by binary logistic regression, analytical hierarchy process, and statistical index models and assessment of their performances NATURAL HAZARDS Volume: 69 Issue: 1 Pages: 749-779 DOI: 10.1007/s11069-013-0728-5 Published: OCT 2013

Holec, Juraj; Bednarik, Martin; Sabo, Marian; et al. – A small-scale landslide susceptibility assessment for the territory of Western Carpathians . NATURAL HAZARDS Volume: 69 Issue: 1 Pages: 1081-1107 DOI: 10.1007/s11069-013-0751-6 Published: OCT 2013

Chen, Weitao; Li, Xianju; Wang, Yanxin; et al. – Landslide susceptibility mapping using LiDAR and DMC data: a case study in the Three Gorges area, China . ENVIRONMENTAL EARTH SCIENCES Volume: 70 Issue: 2 Pages: 673-685 DOI: 10.1007/s12665-012-2151-8 Published: SEP 2013

Zare, Mohammad; Pourghasemi, Hamid Reza; Vafakhah, Mahdi; et al. –Landslide susceptibility mapping at Vaz Watershed (Iran) using an artificial neural network model: a comparison between multilayer perceptron (MLP) and radial basic function (RBF) algorithms . ARABIAN JOURNAL OF GEOSCIENCES Volume: 6 Issue: 8 Pages: 2873-2888 DOI: 10.1007/s12517-012-0610-x Published: AUG 2013

Devkota, Krishna Chandra; Regmi, Amar Deep; Pourghasemi, Hamid Reza; et al. – Landslide susceptibility mapping using certainty factor, index of entropy and logistic regression models in GIS and their comparison at Mugling-Narayanghat road section in Nepal Himalaya . NATURAL HAZARDS Volume: 65 Issue: 1 Pages: 135-165 DOI: 10.1007/s11069-012-0347-6 Published: JAN 2013

Sabatakakis, N.; Koukis, G.; Vassiliades, E.; et al. – Landslide susceptibility zonation in Greece. NATURAL HAZARDS Volume: 65 Issue: 1 Pages: 523-543 DOI: 10.1007/s11069-012-0381-4 Published: JAN 2013

Munteanu, Cristian-Mihai; Giurginca, Andrei; Giurginca, Maria; et al., 2012 – Potentially toxic metals concentrations in soils and cave sediments from karst areas of Mehedinti and Gorj counties (Romania). CARPATHIAN JOURNAL OF EARTH AND ENVIRON. SCIENCES **7(1)**: 193-204

Conovici, Mihai; Povara, Ioan; Oraseanu, Iancu; et al. – GEOLOGICAL AND HYDROGEOLOGICAL FEATURES OF CERNA VALLEY (ARSASCA-IUTA AREA,

SW ROMANIA) . *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES* Volume: 8 Issue: 3 Pages: 219-230 Published: AUG 2013

West, Margaret; Ellis, Andrew T.; Potts, Philip J.; et al. – 2013 Atomic spectrometry update- A review of advances in X-ray fluorescence spectrometry . *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY* Volume: 28 Issue: 10 Pages: 1544-1590 DOI: 10.1039/c3ja90046k Published: 2013

Giurginca, Andrei; Munteanu, Cristian-Mihai; Stanomir, Maria Luiza; et al., 2010 – Assessment of potentially toxic metals concentrations in karst areas of the mehedinti Plateau Geopark (Romania) . *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES* **5(1)**: 103-110

Conovici, Mihai; Povara, Ioan; Oraseanu, Iancu; et al. – Geological and Hydrological features of Cerna Valley (Arsasca-Iuta area, SW Romania) . *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES* **8(3)**: 219-230 Published: AUG 2013

Petrovic, Marko D.; Vasiljevic, Djordjije A.; Vujicic, Miroslav D.; et al. – Global Geopark and candidate - comparative analysis of Papuk Mountain Geopark (Croatia) and Fruska Gora Mountain (Serbia) by using Gam Model. *CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES* Volume: 8 Issue: 1 Pages: 105-116 Published: FEB 2013

Andreescu, Ion; Codrea, Vlad; Lubenescu, Victoria; **Petculescu Alexandu, Știucă Emanoil** et al., 2013 – New developments in the Upper Pliocene-Pleistocene stratigraphic units of the Dacian Basin (Eastern Paratethys), Romania *QUATERNARY INTERNATIONAL* **284**: 15-29 DOI: 10.1016/j.quaint.2012.02.009

Andreescu, Ion; Codrea, Vlad; Lubenescu, Victoria; et al. – New developments in the Upper Pliocene-Pleistocene stratigraphic units of the Dacian Basin (Eastern Paratethys), Romania *QUATERNARY INTERNATIONAL* Volume: 284 Pages: 15-29 DOI: 10.1016/j.quaint.2012.02.009 Published: JAN 23 2013

Terhune, Claire E.; Curran, Sabrina; Petculescu, Alexandru; et al.– Renewed paleontological investigations in the Oltet River Valley of Romania and the new paleontological locality of Rapa. 82nd Annual Meeting of the American-Association-of-Physical-Anthropologists Location: Knoxville, TN Date: APR 09-13, 2013. *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY* Volume: 150 Special Issue: SI Supplement: 56 Pages: 270-270 Published: 2013

Venczel, Marton; **Știucă, Emanoil**– Late middle Miocene amphibians and squamate reptiles from Taut, Romania *GEODIVERSITAS* Volume: 30 Issue: 4 Pages: 731-763 Published: 2008

Venczel, Marton; Hir, Janos – Amphibians and Squamates from the Miocene of Felsotarkany Basin, N-Hungary *PALAEONTOGRAPHICA ABTEILUNG A-PALAOZOOLOGIE-STRATIGRAPHIE* Volume: 300 Issue: 1-6 Pages: 117-158 Published: SEP 2013

Mead, Jim I. – Scolecophidia (Serpentes) of the Late Oligocene and Early Miocene, North America, and a fossil history overview . *GEOBIOS* Volume: 46 Issue: 3 Pages: 225-231 DOI: 10.1016/j.geobios.2012.10.016 Published: MAY-JUN 2013

Szentesi, Zoltan; Gardner, James D.; Venczel, Marton – Albanerpetontid amphibians from the Late Cretaceous (Santonian) of Iharkut, Hungary, with remarks on regional differences in Late Cretaceous Laurasian amphibian assemblages . *CANADIAN JOURNAL OF EARTH SCIENCES* Volume: 50 Issue: 3 Special Issue: SI Pages: 268-281 DOI: 10.1139/e2012-024 Published: MAR 2013

Marin, Constantin; Tudorache, Alin; Vladescu, Luminita, 2010 – Aluminium Determination and Speciation Modelling in Groundwater from the Area of a Future Radioactive Waste Repository . *REVISTA DE CHIMIE* **61(5)**: 431-438

Jones, A.; Rogerson, M.; Greenway, G.; et al– Mine water geochemistry and metal flux in a major historic Pb-Zn-F orefield, the Yorkshire Pennines, UK . ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 20 Issue: 11 Pages: 7570-7581 DOI: 10.1007/s11356-013-1513-4 Published: NOV 2013

Conovici, Mihai; Povara, Ioan; Oraseanu, Iancu; et al.– Geological and Hydrological features of Cerna Valley (Arsasca-Iuta area, SW Romania) . CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES **8(3)**: 219-230 Published: AUG 2013

David, Iulia Gabriela; Matache, Marius Lucian; **Tudorache, Alin**; et al., 2012 – Food chain biomagnification of heavy metals in samples from the lower Prut Floodplain Natural Park. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL **11(1)**: 69-73

Pavel, Vasile Lucian; Sobariu, Dana-Luminita; Fertu, Ionela Daniela Tudorache; et al.– Symbiosis in the environment Biomanagement of soils contaminated with heavy metals. EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY Volume: 9 Issue: 4 Pages: 211-224 Published: AUG 2013

5.7. Participări la manifestări științifice internaționale

1. **Băncilă RI**, Ivanovic A, Arntzen JW – Symmetry of the cranium in island populations of Podarcis lizards analyzed with a high resolution 3D geometric morphometric approach. *17th European Congress of Herpetology*, Veszprém (Hungary)
2. **Borda D.**, **Năstase-Bucur R.** – Acțiuni de conservare ale liliecilor în peșterile turistice din zona proiectului BatLife, Conferința de finalizare a proiectului „Conservarea speciilor de lilieci în Munții Pădurea Craiului, Bihor și Trascău” LIFE08 NAT/RO/000504, Oradea 7-9.11.2013
3. Cogălniceanu D, Székely P, Székely D, Stănescu F., Buhaciuc E, Samoilă C, Ruben I, **Băncilă RI**, Rosioru D – Life history strategies of spadefoot toads (genus Pelobates). *15th Annual Zoological Congress of “Grigore Antipa” Museum*.
4. **Constantin S. (invited lecture)** – Stable isotopes in paleoclimate reconstructions using speleothems. A view from the cave. *International Workshop „Environmental geochemistry: methods, trends, questions”*, Warsaw, 13-15.03.2013.
5. **Giurginca, A.**, Șustr, V. & Tajovsky, K. – The integument of *Trachelipus troglobius* evolutionary adaptations linked to the cave environment. . *The Fifth Annual Zoological Congress of “Grigore Antipa” Museum*, 20-22 November 2013, Bucharest, Romania (**Poster**).
6. Giurgiu, A.M., **Onac, B.P.**, **Tămaș, T.**, Fornós, J.J. – Evolution of guano under different environmental conditions: a mineralogical approach. *Proceedings of the 16th International Congress of Speleology*, Brno, July 21-28, 2013, vol. 3: 483-485
7. **Hillebrand-Voiculescu, A.M.**, Ițcus, C., Rusu, A., Popa, E., Pascu, D., Ardelean, I., Perșoiu, A., **Brad, T.**, **Onac, B.P.**, Purcărea, C.– Unravelling Underground Ice Microcosms. *The 16th International Congress of Speleology*, Brno, Czech Republic
8. Ițcus, C., **Hillebrand-Voiculescu, A.**, Pascu, D., Ardelean, I., Perșoiu, A., **Brad, T.**, **Onac, B.**, Purcărea, C – Perennial underground ice sediments host a diversity of microorganisms. *The 16th International Congress of Speleology*, Brno, Czech Republic
9. Ițcuș, C., **Hillebrand, A.**, Rusu, A., Perșoiu, A., **Brad, T.**, Popa, E., **Onac, B., P.**, and Purcărea, C. – Identification of microorganisms from Scărișoara Ice Cave - cell growth and DGGE analysis, *Simpozionul Național “Criosfera”*, February 18-25, 2013, Piatra Neamt, Romania (poster)

10. Ițcuș, C., **Hillebrand-Voiculescu, A.**, Pascu, M., D., Rusu, A., Ardelean, I., Perșoiu, A., **Brad, T.**, Popa, E., **Onac, B.P.**, and Purcărea, C. – Diversity of ice embedded microorganisms from Scarisoara Cave, Romania. *The 5th international conference on polar and alpine microbiology*, September 8-12, 2013, Big Sky, Montana, USA.
11. Kumaresan, D. Wischer, D., Stephenson, J., **Hillebrand-Voiculescu, A.**, Crombie, A., Murrell, J.C. - The Microbiology of Movile Cave – A Unique Chemolithoautotrophic Ecosystem. *Gordon Research Conferences, Applied and Environmental Microbiology: Exploring and Exploiting the Depths of the Microbial Biosphere*, South Hadley, MA, USA.
12. Lauritzen, S.E., Skoglund, R., **Constantin, S.**, Gázquez, F., Lundberg, J., Mihevc, A., Pennos, C., Sjöberg, R. – Antropomorphic bias on power-law distributions of cave lengths. *16th International Congress of Speleology*, 21-28.07, Brno
13. Măntoiu, D.Ș., **Mirea I.**, Șandric I., Nistorescu, M., Hăgătiș, A., Stanciu, E. – Identification and mapping of wilderness areas in the South Western Carpathians. WILD10, 10th World Wilderness Congress, 4-10 October 2013, Salamanca, Spain.
14. Manu M, **Băncilă RI**, Onete M., Iordache V – Ecological investigations between soil mite communities and some environmental variables from urban ecosystems from Romania. *15th Annual Zoological Congress of “Grigore Antipa” Museum*.
15. **Meleg I.N.** – Spatio-temporal trends in diversity of subsurface assemblages from vadose zone of the Carpathian Karst (Romania, Europe). National Cave and Karst Research Institute, *Conference on Carbon and Boundaries in Karst*, 7-11 January, Carlsbad.
16. Mitić, B. M., Vukov, T. D., Vranković, J. S., Ilić, B. S., **Giurginca, A.** – Variation in body segment number in *Clinopodes flavidus* C. L. Koch, 1847 (Chilopoda: Geophilomorpha) Symposium of Entomologists of Serbia, pag.56, 18-22 September 2013, Mount Tara, Serbia (prezentare orală).
17. **Moldovan O.T. Epure L., Meleg I.N., Constantin S. (invited lecture)** – Paleoecological reconstructions from karstic lakes and cave sediments. Paleoecological reconstructions – lacustrine, peat and cave sediments. 22nd – 24th May, Bialka Tatryanska, Poland.
18. **Moldovan O. (invited lecture)** - Paleoecological reconstructions – lacustrine, peat and cave sediments. Conference (Varșovia, Polonia, martie 2013)
19. **Munteanu, C.-M., Povară, I.**, Conovici, M., **Marin, C.** – Water flow system within the Cerna Valley graben structure (SW of the Southern Carpathians, Romania). *International Symposium on Hierarchical Flow Systems in Karst Regions*, 4-7 September 2013, Budapest, Hungary. *Symposium Program and Abstracts*, p. 118
20. **Nițu E.**, Moț R. – Coprophilous beetles (Coleoptera) associated with feces of brown bear (*Ursus arctos* Linnaeus, 1758) in the Carpathians. *The fifth annual zoological congress of “Grigore Antipa” Museum*. 20 – 23 Nov. 2013, Bucharest, Romania. **(prezentare orală)**
21. Nováková, A., Hubka, V., Valinová, S., **Hillebrand – Voiculescu, A.M.** – Microfungal community of Movile Cave, Romania. *The 16th International Congress of Speleology*, Brno, Czech Republic
22. **Plaiasu R, Băncilă RI, Mirea I** – Factors influencing habitat use by harvestmen (Opiliones) in Mehedinti Plateau Geopark. *15th Annual Zoological Congress of “Grigore Antipa” Museum*.
23. **Popa, I.** – Collembolan communities (Hexapoda, Collembola) from the Buila-Vânturarița National Park (Romania) . *The Fifth Annual Zoological Congress of “Grigore Antipa” Museum*, 20-22 November 2013, Bucharest, Romania **(Poster)**.

24. Povară, I., Conovici, M., Marin, C. & Munteanu, C.M. –Water flow system within the Cerna Valley graben structure (SW of the Southern Carpathians, Romania). *International Symposium on Hierarchical Flow Systems in Karst Regions*", Budapesta (Ungaria).
25. Rosioru D, Plaiasu R, Băncilă RI, Miaud C, Cogălniceanu D – Population structure dynamics of a common frog population at the northern limit of its range. *17th European Congress of Herpetology*, Veszprém (Hungary).
26. Székely P, Băncilă RI, Székely D, Cogălniceanu D – Variation in body size and sexual size dimorphism in two *Pelobates fuscus* populations. *17th European Congress of Herpetology*, Veszprém (Hungary)
27. Terhune, C., Curran, S., Petculescu, A., Robinson, C., Robu, M. and Stiuca, E. – Renewed paleontological investigations in the Olteț River Valley of Romania and the new paleontological locality of Râpa. *The 82nd Annual Meeting of the American Association of Physical Anthropologists*
28. Tudorache, A., Marin, C. – Distribution of heavy metals (Cu, Zn and Cr) in groundwater from the area of a future radioactive waste repository Saligny – Romania. *E3S Web of Conferences*, 1, 10009. *Proceedings of the 16th International Conference on Heavy Metals in the Environment*. DOI: 10.1051/e3sconf/20130110009.
29. Vasile, Ș., Știucă, E., Venczel, M. – First find of ectothermic vertebrates from the Pleistocene "Copăceni Beds" (southern Romania), *The 9th Romanian Symposium of Paleontology*, 25-26 octombrie 2013, Iași.
30. Vasile, Ș., Petculescu, A. – Preliminary taphonomic analysis of the megafaunal assemblage from the Pleistocene of Copăceni (Ilfov County, Romania). *Annual Zoological Congress of "Grigore Antipa" Museum*.
31. Virág, A., Vasile, Ș., & Știucă, E.– Mamutfogak taxonómiaiaazonosításának lehetőségei Zománcszerkezeti vizsgálatok alapján (The possibilities of the taxonomic identification of mammoth molars based on enamel microstructure). In Bosnakoff M., Dulai A., Vörös A. & Pálfy J. (eds.): Program, Előadáskivonatok, Kirándulásvezető, 16. Magyar Őslénytani Vándorgyűlés, Orfű: 43-44
32. Webb D., Robu M., Moldovan O.T. – Ancient footprints in Ciur-Izbuc Cave, Romania: Preservation and re-analysis. *American Journal of Physical Anthropology*, 150 Special Issue 56: 286-287.

ANEXA 6

COOPERĂRI ȘTIINȚIFICE NAȚIONALE ȘI INTERNAȚIONALE, INCLUSIV ÎN PROIECTE (CU INDICAREA NUMĂRULUI DE PROIECT ȘI A PARTENERILOR). OASPEȚI DIN STRĂINĂTATE

6.1. Cooperări științifice naționale

Muzeul Național de Istorie Naturală "Gr. Antipa"
Istitutul de Biologie Bucuresti
Ministerul Mediului și Schimbărilor Climatice

6.2. Cooperări științifice internaționale

Dr. V. Sustr - Institutul de Biologie a Solului (Academia Cehă de Științe).

Dr. K. Tajovsky - Institutul de Biologie a Solului (Academia Cehă de Științe).

Prof. Dr. Božidar Čurčić. Institutul de Zoologie, Facultatea de Biologie a Universității Belgrad.

Dr. Ivo Karaman, Facultatea de Științe, Departamentul de Biologie și Ecologie, Novi Sad.

Dr. Helmut Schmalfuss, Muzeul de Științe ale Naturii, Stuttgart.

Schimb interacademic, Institutul de Biologie a Solului, Ceske Budejovice, Academia Ceha de Științe, la invitația Dr. Vladimir Šustr. Tema: **Studiul biogeografic al Collembolilor din carstul din Carpatii Vestici.**

Centrul Biologie al Academiei de Științe al Republicii Cehe, Institutul de Biologie a Solului
Institutul Geologic al Academiei Bulgare de Științe

Institutul Belgian de Științele Naturii

Institutul de Geologie al Academiei Polone

University of York, Departament of Biology, Marea Britanie

GeoGenetics – Natural History Museum of Danemark, Copenhaga

Universitatea Insulelor Baleare din Palma de Mallorca

Institutul de Biologie Evoluționară și Studii de Mediu, Universitatea Zurich, Elveția

Universitatea de Heidelberg

Universitatea Uppsala, Departamentul de Ecologie și Genetică

6.3. Colaborări în cadrul unor contracte (nr. contract și parteneri)

Grant nr. 31/2010-2013, în cadrul programului *PCCE IDEI – Arhive climatice în carst - o abordare integrată pentru studierea și modelarea oscilațiilor climatice rapide.*

Parteneri:

- Academia Română, Filiala Cluj Napoca
- Universitatea din București, Facultatea de Geologie și Geofizică, Centrul de Cercetare Lythos
- Universitatea din București, Facultatea de Fizică, Grupul pentru Fizica Atmosferei
- Administrația Națională de Meteorologie

Contract 48 / 2012-2015, în cadrul programului *Parteneriate în domeniile prioritare (PN II) – Reziliența sistemelor hidrotermale față de perturbări antropice și naturale. Studiu de caz: zăcămintul termomineral sulfuros de la Băile Herculane.*

Parteneri:

- Institutul de Biologie București

6.4. Oaspeți din străinătate

Prof. Dr. Plamen Mitov, Universitatea din Sofia, Dept. de Zoologie

Dr. Alena Novakova, schimburi interacademice, Institutul de Biologie a Solului, Academia de Științe a Republicii Cehe