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 2015

PRESEDINTELE
CONSILIULUI ŞTIINŢIFIC

Director, Dr. Ioan Povară

BUCUREŞTI, decembrie 2015

ANEXA 2

RESURSE UMANE

2.1. Doctorantură

In anul 2015, în Institutul de Speologie au activat un număr de **28 cercetători atestați (**5 CS I, 6 CS II, 14 CS III și 3 CS)**, 4 ACS** dintre care **25 doctori** și **4 doctoranzi** în faze diferite de realizare a tezei.

2.2. **Conducători de doctorat: 1**

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

Teze doctorat coordonate în 2015

Robu Marius – *Studiul tafonomic și inchnologic al asociației faunistice Cuaternar superioare din Peștera Urșilor de la Chișcău.* Academia Română – Filiala Cluj Napoca. **A fost susținută pe data de 24.04.2015.**

Dragos Mantoiu – *Modele de distributie pentru populatiile de lilieci (Mammalia Chiroptera)* Academia Romana

Silviu Bercea – *Evaluarea impactului antropic asupra unor componente biotice si abiotice ale domeniului subteran.* Academia Romana

ANEXA 3

FORMARE TINERI CERCETĂTORI

3.1. **Teze doctorat aflate în diferite etape de susținere**

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.

Nae Ioana - *Studii morfologice, sistematice și ecologice asupra faunei de Oribatide (Acari: Oribatida) din Masivul Piatra Craiului*. Universitatea București, Facultatea de Biologie

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

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

3.2. Burse, granturi și stagii postdoctorale în 2015

Silviu Constantin: Bursă PROMETEO (SENESCYT, Ecuador). Titlul proiectului de cercetare: „*Cambios climáticos durante el Holoceno en las regiones tropicales. Un estudio comparativo utilizando registros de capas de hielo en las regiones polares y registros de espeleotemas y depósitos de cuevas en el Ecuador continental y Galápagos*". Durata: 6 luni. Acordată de Guvernul Republicii Ecuador.

Băncilă Raluca Ioana: Bourses d'excellence POST-DOC 2015 Titlul proiectului de cercetare: ***The demographic drivers of population dynamics in troglophilic species.*** Durata: 3 luni. French Postdoctoral Short Research Fellowship at Centre for Evolutionary and Functional Ecology, Montpellier, France.

Mirea Ionut-Cornel: Stagiu de perfecționare în domeniul geomorfologiei carstice („*Karst Landforms and Caves of Nordland, North Norway, cod: GEOV221*") (Universitatea Bergen, Norvegia), *20-26 septembrie 2015*.

Petculescu Alexandru: Stagiu de perfecționare în domeniul geomorfologiei carstice („*Karst Landforms and Caves of Nordland, North Norway, cod: GEOV221*") (Universitatea Bergen, Norvegia), *20-26 septembrie 2015*.

Drăgușin Virgil: Stagiu laborator pentru studiul rapoartelor izotopice ale C și O, din probe de calcit din speleoteme din România, Laboratoire des Sciences du Climat et l'Environment, Gif-sur-Yvette, Franța, *3-27 octombrie 2015*.

Vereș Daniel: Stagiu laborator pentru analize de Pb pe eșantioane izotopice, Institut des Sciences de la Terre, Universitatea din Grenoble, Franța, *13.05 – 15.06.2015 și 31.08.-11.09.2015*.

Moldovan Oana: Stagiu de cercetare biospeologică în peșteri și tuburi de lavă în Ecuador și Insulele Galapagos, Ecuadorian Scientific Society of Speleology, Quito, Ecuador, *27aprilie -24 iulie 2015.*

Schimburi interacademice

Giurginca A. – *Studiul biogeografic al Oniscideelor si Diplopodelor din carstul Carpatilor Vestici*. Schimb interacademic în Cehia în perioada 09-22 august 2015 cu Institute of Soil Biology, Biology Centre Academy of Sciences of the Czech Republic.

Munteanu, C.M. – *Quaternary paleoclimate reconstructions based on loess deposits and clastic cave sediments*, cu Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing (China) - Prof. Qingzhen Hao, 17-30 octombrie 2015.

ANEXA 4

INFRASTRUCTURĂ DE CERCETARE NOU ACHIZIȚIONATĂ / COMPLETATĂ ÎN 2015

Biblioteca ISER. În cadrul schimbului internațional în Biblioteca ISER au intrat peste **200 periodice** de la diferite Muzee și Institute din țări ale Uniunii Europene precum și din țări din afara Uniunii Europene.

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

ANEXA 5

REZULTATE OBŢINUTE ÎN CERCETARE ÎN 2015

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

1. **Băncilă, R.I.**, Ozgul, A, Hartel, T, Sos, T, Schmidt, B.R., 2015 – Direct negative density-dependence regulating the population dynamics of a pond-breeding frog. *Ecography*, DOI: 10.1111/ecog.01584 **(F.I.=4.77**)
2. **Brad** T., Fišer C., Flot J.-F. and Sarbu S. M., 2015. – Niphargus dancaui sp. nov. (Amphipoda, Niphargidae) – a new species thriving in sulfidic groundwaters in southeastern Romania. *European Journal of Taxonomy* **(F.I. = 1.312**)
3. Buşmachiu, G., **Popa, I.** and Weiner, W. M., 2015 – Collembola (Hexapoda) from South-Eastern Carpathians protected areas, with description of Hymenaphorura ioni sp. nov. *Annales Zoologici*, **64 (4)**: 549-556 (**F.I = 1.161)**
4. Ciocănău, M.A., Bărăităreanu, S., Gurău, M.R., **Vlaicu**, M., Vladimirescu, A.F., Daneş, D., 2015 – Correlations between local bat populations (Ord.Chiroptera) and Borrelia sppinfections inhumans throughout Romania. *Journal of Biotechnology* 208 DOI: 10.1016/j.jbiotec.2015.06.273 (**F.I.=2.871)**
5. **Epure, L**., Muntean, V., **Constantin, S.**, & **Moldovan, O.T**., 2015 – Ecophysiological groups of bacteria from cave sediments as potential indicators of paleoclimate. *Quaternary International*, online first (doi:10.1016/j.quaint.2015.04.016) **(F.I. = 2,062)**
6. **Feurdean** A., Marinova E., Nielsen A., Liakka J., **Veres** D., Hutchinson S., Braun M., Timar-Gabor A., Astalos C., Mosbrugger V., Hickler T., 2015. Origin of the forest steppe and exceptional grassland diversity in Transylvania (central-eastern Europe). *Journal of Biogeography* **42**:951-963. (**F.I.=4.969)**
7. Forray, F. L., **Onac, B. P.,** Tanţău, I., Wynn, J. G., **Tămaş, T.,** Coroiu, I., & Giurgiu, A. M., 2015– A Late Holocene environmental history of a bat guano deposit from Romania: an isotopic, pollen and microcharcoal study. *Quaternary Science Reviews*, **127**:141-154 **(F.I.=4.572)**
8. Fu, Q., Hajdanjak, M., **Moldovan, O.T., Constantin, S.** Mallik, S., Skoglud, P., Patterson, N., Rohland, N., Lazaridis, I., Nickel, B. Viola, B., Prufer, K., Meyer, M., Kelso, J., Reich, D. & Paabo, S., 2015 – An early modern human from Romania with a recent Neanderthal ancestor. *Nature*, **524**: 216-219 (**F.I. = 41,456).**
9. **Giurginca, A.,** Sustr, V., Tajovsky, K., Giurginca, M., Matei, I., 2015 - Spectroscopic parameters of the cuticle and ethanol extracts of the fluorescent cave isopod *Mesoniscus graniger* (Isopoda, Oniscidea). *Zookeys*, **515**: 111-125 (**F.I.= 0.933)**.

10. Govin, A., Capron, E., Tzedakis, P.C., Verheyden, S., Ghaleb, B., Hillaire-Marcel, C., St-Onge, G., Stoner, J.S., Bassinot, F., Bazin, L., Blunier, T., Combourieu-Nebout, N., El Ouahabi, A., Genty, D., Gersonde, R., Jimenez-Amat, P., Landais, A., Martrat,B., Masson-Delmotte, V., Parrenin, F., Seidenkrantz, M.-S., **Veres, D**., Waelbroeck, C., Zahn, R., 2015 – Sequence of events from the onset to the demise of the Last Interglacial: Evaluating strengths and limitations of chronologies used in climatic archives. *Quaternary Science Reviews,* **129**:1-36. **(F.I.=4.572)**

11. Lisé-Pronovost, A., St-Onge, G., Gogorza, C., Haberzettl, T., Jouve, G., Francus, P., Ohlendorf, C., Gebhardt, C., Zolitschka, B., **Vereș, D.** and PASADO Science Team, 2015 – Rock-magnetic proxies of wind intensity and dust since 51,200 cal BP from lacustrine sediments of Laguna Potrok Aike, southeastern Patagonia. *Earth and Planetary Science Letters,* **411**:72-86. (**F.I.= 4.734)**

12. Lowe, J.J., RESET Associates, Housley, R.A., Lane, C.S., Tomlinson, E.L., Stringer, C., Davies, W., Barton, N., Pollard, M., Gamble, C., **Veres, D**., Wastegard, S., Ortiz, J.E., Torres, T., Diaz-Bautista, A., Moreno, A., Valero-Garces, B., Lowick, S., Ottolini, L. et al., 2015 – The RESET project: Constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100 ka. *Quaternary Science Reviews* **118**: 1-17. **(F.I.=4.572)**

13. Magyari E.K., **Vereș,** D., Wennrich V., Wagner B., Braun M., Karátson D., Pál Z., Ferenczy Gy., St-Onge G., Rethemeyer J., Francois J.-P., von Reumont F., Schäbitz F., 2015– Vegetation and environmental responses to climate forcing during the last glacial maximum and deglaciation in the East Carpathians: attenuated response to maximum cooling and increased biomass burning. *Quaternary Science Review,* **106**:278–298 (**F.I. = 4.572)**

14. Manu, M, Iordache, V, **Băncilă, R.I.,** Bodescu, F., Onete, M., 2015– The influence of environmental variables on soil mite communities (Acari: Mesostigmata) from overgrazed grassland ecosystems-Romania. *Italian Journal of Zoology,* DOI: 10.1080/11250003.2015.1091897 **(F.I.=0.79)**

15. Marković, S.B., Stevens, T., Kukla, G.J., Hambach, U., Fitzsimmons, K.E., Gibbard, P., Buggle, B., Zech, M., Guo, Z., Hao, Q., Wu, H., O'Hara Dhand, K., Smalley, I.J., Újvári, G., Sümegi, P., Timar-Gabor, A., **Veres**, **D**., Sirocko, F., Vasiljević, D., Jary, Z., Svensson, A., Jović, V., Lehmkuhl, F., Kovács, J., Svirčev, Z., 2015–Danube loess stratigraphy - Towards a pan-European loess stratigraphic model. *Earth-Science Reviews,* **148**:228-258. (**F.I.=7.135)**

16. Meleg, I.N., Battes, K.P., **Fiers**, **F**., **Moldovan, O.T.,** 2015 – Contrasting copepod community dynamics related to sampling strategies in the unsaturated zone of a karst aquifer. *Aquatic Ecology,* **49**: 549-560 (**F.I.= 1.422)**

17. Mitrofan, H. , **Marin, C., Povară, I.**, 2015 – Possible conduit-matrix water exchange signatures outlined at a karst spring. *Groundwater,* **53 (S1)**:113–122, Doi: 10.1111/gwat.12292, **(F.I.=2,307**)

18. Moldovan O.T., **Constantin S.,** Panaiotu C., Roban R.D., Frenzel P., Miko L., 2015 – Fossil invertebrates records in cave sediments and paleoenvironmental assessments: a study of four cave sites from Romanian Carpathians. *Biogeosciences* doi:10.5194/bgd-12-1-2015 **(F.I. =3.978)**

19. **Moldovan O.T.**, Levei E., 2015 – Temporal variability of fauna and the importance of sampling frequency in the hyporheic zone. *Hydrobiologia,* **755**: 27-38 (**F.I.= 2.275)**

20. Moreno, A., Svensson, A., Brooks, S.J., Connor, S., Engels, S., Fletcher, W., Genty, D., Heiri, O., Labuhn, I., Persoiu, A., Peyron, O., Sadori, L., Valero-Garces, B., Wulf, S., Zanchetta, G., Allen, J.R.M., Ampel, L., Blamart, D., Birks, H., Blockley, S., Borsato, A., Bos, H., Brauer, A., Combourieu-Nebout, N., de Beaulieu, J.-L., Drescher-Schneider, R., Drysdale, R., Elias, S., Frisia, S., Hellstrom, J., Ilyashuk, B., Joannin, S., Kohl, N., Larocque-Tobler, I., Lotter, A., Magny, M., Matthews, I., McDermott, F., Millet, L., Morellon, M., Neugebauer, I., Munoz-Sobrino, C., Naughton, F., Ohlwein, C., Roucoux, K., Samartin, S., Sanchez-Goni, M.-F., Sirocko, F., van Asch, N., van Geel, B., van Grafenstein, U., Vanniere, B., Vegas, J., **Veres, D**., Walker, M., Wohlfarth, B., 2015 – A compilation of Western European terrestrial records 60-8 ka BP: Towards an understanding of latitudinal climatic gradients. *Quaternary Science Reviews* **106:**167-185 **(F.I.= 4.572).**

21. Mulec, J., Oarga, A., Schiller, E., **Perşoiu, A.**, Holko, L., Šebela, S., 2015 – Assessment of the physical environment of epigean invertebrates in a unique habitat according to water temperature, chemistry and isotopic composition: the case of a karst sulphidic spring, Slovenia. *Ecohydrology,* **8 (7):** 1326-1334 (**F.I. = 2.426)**

22. Murariu, D., 2015 – Archibald, J.D., 2011. Extinction and radiation: How the Fall of Dinosaurs led to the Rise of Mammals. *Journal of Mammalogy*, **96(5):** 1106 – 1107. **(F.I.= 1,840).**

23. Nitzu, E., 2015 - Scree habitat as ecological refuge: A study of case on the Carpathian endemic species *Platynus glacialis* and *Pterostichus pilosus wellensii* (Coleoptera, Carabidae) in their first case of co-occurrence in the rock debris. *North-Western Journal of Zoology* (online first): art.151102. (**F.I. = 0.869)**

24. Pacioglu O., **Moldovan O.T., 2015 –** Response of invertebrates from the hyporheic zone of chalk rivers to eutrophication and land use. *Environmental Science and Pollution Research* DOI 10.1007/s11356-015-5703-0 **(F.I. = 2.828)**

25. Perşoiu, A., Feurdean, A., Wim, H.Z., 2015 – Closing and exposing the gaps in knowledge: INTIMATE workshop on terrestrial records from Central and Eastern Europe for the Last Glacial–Interglacial transition, *Quaternary International,* **388**: 1-3 (**F.I. =2.062)**

26. **Povară, I.,** Conovici, M., **Munteanu, C.-M., Marin, C.,** Ioniță, E. D. , 2015 – Karst systems within the Southern Carpathians (Romania). *Carpathian Journal of Earth and Environmental Sciences*, **10 (2)**:5–17. **(F.I. = 0,630)**

27. Recasens, C., Ariztegui, D., Maidana, N. I., Zolitschka, B., **Vereş, D.** and PASADO Science Team, 2015 – Diatoms as indicators of hydrological and climatic changes in Laguna Potrok Aike (Patagonia) since the Late Pleistocene. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **417**: 309-319. (**F.I.= 2.942)**

28. **Robu, M.,** 2015 – Fossil population structure and mortality analysis of the cave bears from Urşilor Cave, north-western Romania. *Acta Palaeontologica Polonica*. doi:http://dx.doi.org/10.4202/app.00201.2015 **(F.I = 1.86).**

Cercetători asociați

29. Danielopol, D.L., Baltanas, A., Carbonel, P., Colin, J.P., Crasquin, S**.,** Decrouy, L., De Deckker, P., Gliozzi, E., Groos-Uffenorde, H., Horne, DJ., **Iepure**, **S**., Keyser, D., Kornicker, LS., Lord, A., Martens, K., Matzke-Karasz, R., Miller, CG., Oertli, HJ., Pugliese, N., Russo, A., Sames, B., Schon, I., Siveter, DJ., Smith, A., Viehberg, FA., Wouters, K., Yassini, I, 2015 - From Naples 1963 to Rome 2013 – A brief review of how the International Research Group on Ostracoda (IRGO) developed as a social communication system. *Palaeogeography Palaeoclimatology Palaeoecology* , **419**: 3-22. **(F.I.=2.942)**

30. Feurdean, A, Galka, M., Kuske, E., Tanțău, I., Lamentowicz, M., Florescu, G., Liakka, J., Hutchinson, S.M., Mulch, A., Hickler, T., 2015 – Last Millennium hydro-climate variability in Central–Eastern Europe (Northern Carpathians, Romania). *The Holocene,* **I-14**. http://dx.doi.org/10.1177/0959683615580197. **(F.I. = 2.283)**

31. Grindean R., **Feurdean** A., Hurdu B., Farcas S., Tantau I., 2015 – Lateglacial/Holocene transition to mid-Holocene: Vegetation responses to climate changes in the Apuseni Mountains (NW Romania). *Quaternary International* DOI: 10.1016/j.quaint.2015.05.056. **(F.I.= 2.06)**

32. Haliuc A., Hutchinson S.M., Florescu G., **Feurdean** A., 2015 - The role of fire in landscape dynamics: An example of two sediment records from the Rodna Mountains, northern Romanian Carpathians. *Catena* doi:10.1016/j.catena.2015.10.021. (**F.I.= 2.820**)

33. Hutchinson, S.M., Akinyemi, F.O., Mindrescu, M., Begy, R., **Feurdean,** A., 2015 – Recent sediment accumulation rates in contrasting lakes in the Carpathians (Romania): impacts of shifts in socio-economic regime. *Regional Environmental Change* DOI: 10.1007/s10113-015-0764-7. (**F.I.=2.63**)

34. **Iepure S**., **Feurdean A**., Bădăluţă C., Nagavciuc C., **Perşoiu** A., 2015 – Pattern of richness and distribution of groundwater Copepoda (Cyclopoida: Harpacticoida) and Ostracoda in Romania: an evolutionary perspective. *Biological Journal of the Linnean Society,* **10** DOI: 10.1111/bij.12686. **(F.I.=2.26)**

Total F.I. = 135.487

5.3. Lucrări ştiinţifice publicate în reviste de specialitate indexate BDI

1. Constantin, S., 2015–Speleothems as archives of the past – a beginner's guide, p.74-87. In: *3er Simposio Internacional de Espeleología en el Ecuador - Boletín Científico Tena 13 - 15 marzo 2015* (Toulkeridis, T., Constantin, S., Addison, A. Eds). Universidad de las Fuerzas Armadas, ESPE.

2. Cosac, M., Murătoreanu, G., Radu, A., **Veres, D**., Buzea, D., Niţă, L., Mărgărit, M., Dumitraşcu, V., Ghiţă, H., Stroe, D.-B., Negoi, V., Niţă, B., Rus, D., Hotinceanu, I., 2015. Peştera Ursului – Cheile Vârghişului, jud. Harghita – campania 2014, p. 215. *Cronica cercetărilor arheologice din România. Campania 2014* .

3. Cosac, M., Murătoreanu, G., Radu, A., **Veres, D**., Buzea, D., Niţă, L., Mărgărit, M., Dumitraşcu, V., Ghiţă, H., Stroe, D.-B., Negoi, V., Niţă, B., Rus, D., Hotinceanu, I., 2015. Abri 122/1200 – Cheile Vârghişului, jud. Harghita – campania 2014, p. 162 – 163. *Cronica cercetărilor arheologice din România. Campania 2014.*

4. Epure,L., Borda, **D.R**., 2015 – Groundwater contamination and the relationship between water chemistry and biotic components in a karst system (Bihor Mountains, Romania), *Travaux de L'Institut de Speologie "Emile Racovitza*", **53**: 69-84.

5. Fiers F., Lagnika M., 2015 – Four new representatives of the genus Allocyclops Kiefer, 1932 from semi-consolidated subsoil aquifers in Benin (Copepoda, Cyclopoida, Cyclopidae). *Subterranean Biology,* **16(3):** 1-36.

6. Giurginca, A., Munteanu, C.M., Vlaicu, M – An inventory of the caves of Romania inhabited by Oniscidea. *Travaux de l'Institut de Spéologie,* **53:** 7-40.

7. Murariu, D.T., 2015 - Filosofia ştiinţelor biologice în opera Academicianului Nicolae Botnariuc. *Academica,* **XXV/293 (3):** 70 – 72.

8. Murătoreanu, G., Cuculici, R., **Veres, D**., Cosac, M., Radu, A., Buzea, D.L., 2015 – Potențialul arheologic al carstului din Cheile Vârghișului (Munții Perșani). Etape preliminare în realizarea unui sistem informațional geografic. *Arheoves*t **3.**

9. Tabacaru, I., Giurginca, A. – Identification key to the cavernicolous Oniscidea of Romania. *Travaux de l'Institut de Spéologie,* **53:** 41-69.

10. Toulkeridis, T., Addison, A., **Constantin, S.**, Winkler, E., Toomey III, R., Osburn, R., Haley, R., Hoese, G., Arce, O., Grefa, J.R., Zurita, L.T., Carabajo, Navarrete.E., Simon Braile, D., 2015 – Espeleología en Tena, Napo. Un breve inventario geologico y cartográfico. In: *3er Symposio Internacional de Espeleología en el Ecuador. Boletin Cientifico, Tena 13-15 Marzo 2015* (T. Toulkeridis, Constantin, S., Addison, A., *Ed.*), Universidad de Las Fuerzas Armadas (ESPE), pp. 20-67.

5.4. Lucrări aflate sub tipar

1. Botnaru, V., **Petculescu**, A., **Gheorghiu**, V., Nazareanu, G. – Moldova, 11 p., In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)

2. **Constantin, S.**, Toulkeridis, T., **Moldovan, O.T.,** Villacís, M., Addison, A. – Caves and karst of Ecuador – state-of-the-art and research perspectives. *Environmental Earth Sciences* **–** submitted, in review.

3. **Decu, V., Gheorghiu, V.** – European Turkey, 1-12 pp, In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)

4. **Decu, V.,** Juberthie, C., **Gheorghiu, V** – Georgia. 1-21pp., In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)

5. **Decu**, V., Juberthie, C., **Gheorghiu, V.** – Hungary. 1- 16 pp., In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)

6. **Decu**, V., Juberthie, C., **Gheorghiu, V.** – Ucraina. 1- 19 pp., In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)
7. **Decu**, V., Juberthie, C., **Iepure, S., Gheorghiu, V.,** Nazareanu, G. – Survey of the subterranean species from Central Asia: Kazakhstan, Kyrghyzstan, Tadjikistan, Turkmenistan, Uzbekistan, Subterranean Biology (In press)
8. **Decu**, V., Juberthie, C., **Moldovan, O.T., Gheorghiu, V.** – Roumanie, pp. 1-72 pp., In: Encyclopædia Biospeologica Vol. I, Europe, Ed. by C. Juberthie and V. Decu. Second Edition, Ed. Museum of Natural History in Paris (In press)
9. Karátson, D., Wulf, S., **Veres, D**., Magyari, E.K., Gertisser, R., Timar-Gabor, A., Novothny, Á., Telbisz, T., Szalai, Z., Anechitei-Deacu, V., Appelt, O., Bormann, M., Jánosi, Cs., Hubay, K., Schäbitz, F. – The latest explosive eruptions of Ciomadul (Csomád) volcano, East Carpathians - a tephrostratigraphic approach for the 52–29 ka BP time interval. *Journal of Volcanology and Geothermal Research* (in review).
10. **Moldovan, OT., Constantin, S.**, Panaiotu, C., Roban, RD., Frenzel, P. and Miko, L. – Fossil invertebrates records in cave sediments and paleoenvironmental assessments: a study of four cave sites from Romanian Carpathians. *Biogeosciences* – submitted, in review.
11. **Moldovan, OT., Kenesz, M., Constantin, S.**, Cheval, S. – Dripping heterogeneity in the vadose zone and its ecological significance. *Ecohydrology* – submitted, in review.
12. **Murariu, D.T**. – Adaptări ale biodiversităţii la schimbările climatice. *Academica*, XXV/ Nr. (sub tipar).
13. **Murariu**, **D.T.** – Comments on the species concept. Muzeul Olteniei, Craiova. *Oltenia. Studii şi Comunicări Ştiinţele Naturii*, vol. **XXX1/1** (sub tipar).
14. **Murariu, D.T.** – Mammal fauna (MAMMALIA) of the Buzău and Telajen Valleys (Eastern Carpathians – Romania). *Travaux de l,Institut de Spéologie „Ëmile Racovitza*", **LIV** (sub tipar)
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5.9. Participări la manifestări științifice international

1. Bercea S., **Nastase-Bucur R**., **Moldovan O.T.** – Bio- and microbio- monitoring in show caves. *Workshop romano-norvegian*, 21-27.09.2015, Mo i Rana, Norvegia.
2. Calinescu, O., Marin, N.M., Ionita, D., Pascu, L., **Tudorache**, **A**., Surpateanu, G. and Badea I. A.–Selective removal of sulfate ion from different drinking waters. *Engineering and sustainable development*, Alba Iulia , Romania, 28 – 30 Mai 2015.
3. Capron, E., Govin, A., **Vereș, D.** et al. – Sequence of events from the onset to the demise of the Last Interglacial (140-105 ka): how to address chronologies in paleoclimatic archives? *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12 – 17 aprilie 2015. *Geophysical Research Abstracts* **17**, EGU2015-10241.
4. Capron, E., Govin, A., **Vereș, D.** et al. – Sequence of events from the onset to the demise of the Last Interglacial (140-105 ka): how to address chronologies in paleoclimatic archives? *XIX*

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5. **Constantin, S (invited lecture) –** Cave survey and cartography. *International Speleology Symposium and Field Training Course in Ecuador, Shell-Mera, 20-24 aprilie 2015*

6. **Constantin, S. (invited lecture) –** Stable isotopes in paleoclimate reconstructions using speleothems - Problems and potential pitfalls. *3er Symposio Internacional de Espeleología en el Ecuador, Tena, 13-15 martie 2015.*

7. **Constantin, S.** and CAVEMONITOR Team – CAVEMONITOR - monitoring show caves in Romania. *21st National Cave and Karst Management Symposium,* Oct. 19-23, 2015, Cave City, Kentucky, USA pp. 30-31.

8. **Drăguşin, V.** – Speleothems as archives of environmental change information. *ECOSMART Environment at a CrossrOads: SMART approaches for a sustainable future*.

9. **Drăguşin**,**V.,** Genty, D., Blamart, D., Hellstrom, J., Panaiotu, C. – The MIS 5e to 5d transition recorded in a stalagmite from SW Romania. *XIX INQUA Congress - 26 Jul - 2 Aug, 2015 in Nagoya, JAPAN* .

10. **Giurginca, A., Baba, C. Şt**., Dorobăţ, L., **Popa, I**. – The Diplopoda and Chilopoda of the Leaota Mountains (Southern Carpathians, Roumania). *The Seventh Annual Zoological Congress of "Grigore Antipa" Museum,* 18-20 November 2015, Bucharest, Romania.

11. Govin, A., Capron, E., **Vereş, D.** et al. – Chronologies of marine sediment cores during the Last Interglacial: strengths and limitations of commonly used climato-stratigraphic alignments. *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12 – 17 aprilie 2015. *Geophysical Research Abstracts* **17**, EGU2015-10241.

12. Govin, A., Capron, E., **Vereş, D.** et al. – Chronologies of marine sediment cores during the Last Interglacial: strengths and limitations of commonly used climato-stratigraphic alignments. *XIX INQUA Congress Quaternary Perspectives on Climate Change,* Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

13. Haliuc, A., **Veres**, D. – 5,000 ani de variabilitate climatică şi modificări de mediu înregistrate în sedimentele lacului Iezer Ighiel, Munţii Trascău – impact antropic vs schimbări climatice. *National Symposium on Geomorphology, 21-24 mai 2015, Sfântu Gheorghe, Romania*

14. Hambach, U., Zeeden, C., **Veres**, D., Obreht, I., Bösken, J., Markovic, S.B., Eckmeier, E., Fischer, P., Lehmkuhl, F. – Concurrent and opposed environmental trends during the last glacial cycle between the Carpathian Basin and the Black Sea coast: evidence from high resolution enviromagnetic loess records. *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12 – 17 aprilie 2015. *Geophysical Research Abstracts* **17**, EGU2015-10241.

15. Itcus C., Pascu M. D., **Hillebrand-Voiculescu A. M**., **Brad** T., **Persoiu A.,** Purcarea C. – Diversity of cultured ice cave microcosm. *6th International Conference on Polar and Alpine Microbiology* . September 6-9, 2015. České Budějovice, Czech Republic

16. Itcus C., Pascu M. D., **Hillebrand-Voiculescu A. M**., **Brad** T., **Persoiu A., Onac B. P.,** Purcarea C. – Prokaryotic community structure across the ice block of Scarisoara Cave determined by 454 pyrosequencing. *6th International Conference on Polar and Alpine Microbiology* . September 6-9, 2015. České Budějovice.

17. Itcus C., Pascu M. D., **Hillebrand-Voiculescu A.** M., **Brad** T., **Persoiu A.,** Purcarea C. – Bacterial diversity in perennial ice deposits from Scarisoara Ice Cave. *International Symposium Young Researchers in BioSciences*, July 22-26, 2015, Cluj-Napoca.

18. Lehmkuhl, F., Hambach, U., Markovic, S., Zeeden. C., Bösken, J., Eckmeier, E., Hauck, T., Klasen, N., Obreht, I., Schulte, P., Sümegi, P., **Veres**, D., Timar-Gabor, A. – Danube loess – paleoenvironmental record and potential eastern European corridor for the dispersal of modern humans. *XIX INQUA Congress Quaternary Perspectives on Climate Change,* Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

19. Lehmkuhl, F., Zeeden, C., Bösken, J., Eckmeier, E., Hambach, U., Hauck, T., Klasen, N., Markovic, S., Obreht, I., Schulte, P., Sümegi, P., Chu, W., Timar-Gabor, A., **Veres**, D. – Paleoenvironmental change as derived from loess sediment properties: Examples of last glacial loess sites from the Carpathian Basin. *European Geosciences Union General Assembly 2015*, Vienna, Austria, 12 – 17 aprilie 2015. *Geophysical Research Abstracts* **17**, EGU2015-10241.

20. Lehmkuhl, F., Zeeden, C., Hambach, U., Markovic, S., Bösken, J., Eckmeier, E., Obreht, I., Schulte, P., **Veres**, **D.** – Loess of the last glacial cycle in the middle and lower reaches of the Danube– environmental record and potential corridor for the dispersal of the modern humans. *International Symposium on Aeolian Deposits in Earth History (ISADEH),* 12-13 octombrie, Beijing, China

21. Longman, J., Ersek, V., Salzmann, U., **Veres**, D – Tracing the metals of smelting in the Carpathian region throughout the Holocene. *QRA Meeting, Cambridge*

22. Magyari, E.K., Norbert, K., **Veres**, **D.**, Braun, M., Rethemeyer, J., Schabitz, F. – LGM and last termination vegetation dynamics and pollen-based quantitative climate in the East Carpathians: comparison with ecosystem and climate models. *XIX INQUA Congress Quaternary Perspectives on Climate Change*, Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

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24. **Mirea, I-C.**, **Robu, M**., **Petculescu, A.**, **Kenesz, M., Constantin,S.**, Codrea, V., 2015 – New data regarding the paleontological research from Muierilor Cave (Romania). *The Seventh International Zoological Congress Of "Grigore Antipa" Museum, 18 – 21 November, Bucharest*.

25. **Moldovan O.T.**, Bercea S., **Nastase-Bucur R**. – Can monitoring of microorganisms from show caves be used in human impact assessment? *National Cave and Karst Management Symposium* (Cave City, USA, 19-23.10.2015)

26. **Munteanu, C.M.** – The "Emil Racoviţă" Institute of Speleology - 95 years of karst research. ***Institute of Geology and Geophysics, Chinese Academy of Sciences***, Beijing (China).

27. **Munteanu, C.M.** – Cave clastic sediments: paleohydrological and paleoclimate archives. Case studies from the karst of Romania***. Institute of Geology and Geophysics, Chinese Academy of Sciences,*** Beijing (China***).***

28. Murătoreanu, G., Cuculici, R., **Veres**, D., Cosac, M., Radu, A., Buzea, D.L. – Potențialul arheologic al carstului din Cheile Vârghișului (Munții Perșani). Etape preliminare în realizarea unui sistem informațional geografic. *Simpozion "ArheoVest": Interdisciplinaritate în Arheologie și Istorie*, ediția a III-a: In Memoriam Florin Medeleţ (1943-2005)

29. **Nae, A.**, Dorobăţ, L – Date privind fauna de aranee din Masivul Leaota (Argeş, Romania**).** *Sesiunea de comunicări ştiinţifice a Muzeului Judeţean Argeş, 29-30 octombrie 2015, Ecosinteze şi etnosinteze carpatine, ediţia XLVI.*

30. Pascu D., Itcus C., Cirnu M., **Hillebrand-Voiculescu A., Brad** T., **Persoiu A.,** Ardelean I., Purcarea C. – Molecular and microbiological study of phototrophs from Scarisoara Ice Cave. *International Symposium Young Researchers in BioSciences*, July 22-26, 2015, Cluj-Napoca

31. Pascu M. D., Itcus C., Ardelean I., Cirnu M., **Hillebrand-Voiculescu A. M., Brad T., Persoiu A.,** Purcarea C. – Diversity of phototrophic bacteria in Scarisoara Ice Cave. *6th International Conference on Polar and Alpine Microbiology* . Sept 6-9, 2015. České Budějovice.

32. **Popa**, I., Dorobăţ, L. – Date privind fauna de colembole (Hexapoda: Collembola) din Masivul Leaota (Carpaţii Meridionali). *Sesiunea de comunicări ştiinţifice a Muzeului Judeţean Argeş, 29-30 octombrie 2015, Ecosinteze şi etnosinteze carpatine, ediţia XLVI.*

33. **Popa, I., Nae, A., Giurginca, A.** & Dorobăţ, L. – New records of Collembola and Araneae species for the Romanian fauna (Leaota Massif, Southern Carpathians). *The Seventh Annual Zoological Congress of "Grigore Antipa" Museum,* 18-20 November 2015, Bucharest, Romania.

34. **Popa,I., Nae, A., Giurginca, A**. & Dorobăţ, L. – New records of Collembola and Araneae species for the Romanian fauna(Leaota Massif, Southern Carpathians). *The Seventh Annual Zoological Congress of "Grigore Antipa" Museum,* 18-20 November 2015, Bucharest, Romania.

35. Reichelmann, D.F.C., Tjallingii, R., Brummer, G-J, A., Fohlmeister, J., Schröder-Ritzrau, A., **Constantin, S.**, Richter, D.K., Scholz, D.– Exploring the potential of UV-spectral luminescence on different types of stalagmites. *EGU General Assembly Conference*, 17, p. 10581.

36. Riechelmann, S., Schröder-Ritzrau, A., Wassenburg, J.A., Richter D.K., Riechelmann, D.F.C., **Terente, M**., **Constantin, S**., Immenhauser, A.– Physicochemical characteristics of drip waters: Influence on mineralogy of recent cave carbonate precipitates. *EGU General Assembly Conference*, 17, p. 339.

37. Schmidt, C., Trandafir, O., Timar-Gabor, A., Anghelinu, M., **Veres**, D., Sitlivy, V., Hambach, U. – Tracing Palaeolithic modern human presence in the Romanian Carpathians by luminescence methods. *XIX INQUA Congress Quaternary Perspectives on Climate Change,* Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

38. Stănescu F, **Băncilă RI**, Székely P, Székely D, Ruben I, Buhaciuc E, Cogălniceanu D, 2015 – Potential influence of climate conditions on body condition of Syrian spadefoot toads, *Pelobates syriacus*. ***18th European Congress of Herpetology*** (Wroclaw, Poland) (poster).

39. Terhune, CL, Curran, S., Fox, D.L., Garrett, N., Hubbard, J., **Petculescu**, **A.**, Robinson, CA., **Robu, M., Stiucã, E.,** Tantau, I. – Paleoenvironmental conditions in early Pleistocene Romania: implications for hominin dispersals. *2015 Society for Vertebrate Paleontology Meetings, Dallas, TX.*

40. **Veres, D et** al. - Geochemical and isotopic records of anthropogenic impact and natural climate change in the Romanian Carpathians during the last 8000 years. *4th Balkan Early Metallurgy Symposium, Tg Jiu, Romania, 10 - 12 mai 2015.*

41. **Veres**, D., Chauvel, C., Atlas, Z., Haliuc, A., Longman, J., Ersek, V., Begy, R., Gogâltan, F., **Onac**, **B**. – Geochemical and isotopic records of anthropogenic impact and natural climate change in the Romanian Carpathians during the last 8000 years. *IGBP-PAGES 2k Conference "Climate variability and human impacts in Central and Eastern Europe during the last two millennia*", Gdansk, Polonia, 17-19 iunie 2015

42. **Veres**, D., Chauvel, C., Atlas, Z., Haliuc, A., Longman, J., Ersek, V., Magyari, E., Gogâltan, F., Brauer, A. – Geochemical and isotopic records of anthropogenic impact and natural climate change in the Romanian Carpathians during the Holocene. *XIX INQUA Congress Quaternary Perspectives on Climate Change,* Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

43. **Veres**, D., Wulf, S., Karátson, D., Gertisser, R., Timar-Gabor, A., Bormann, M., Papadopoulou, M., Magyari, E., Novothny, A., Schäbitz, F., Hambach, U., Lehmkuhl, F. – Geochemical, stratigraphic, and chronological considerations of several Late Quaternary key marker tephras of Carpathian origin. *XIX INQUA Congress Quaternary Perspectives on Climate Change,* Natural Hazards and Civilization, 26 iulie - 2 august 2015, in Nagoya, Japonia

44. Voicu, F.-A. , Venczel, M. , **Petculescu, A.** & Vasile, Ș. – Taxonomic diversity of early Pleistocene snakes from the Tetoiu Formation (Dacian Basin, Romania). *10th Romanian Symposium on Palaeontology, Cluj-Napoca, 2015*

5.10. Brevete de invenție

Chilintan M., Cimponeriu A., Maries G.**, Moldovan Oana –** HOTĂRÂREA OSIM NR. 6/84/30.06.2015, de acordare a brevetului de invenţie pentru invenţia cu titlul "***METODĂ ŞI CIRCUIT DE MĂSURARE A CONDUCTIVITĂŢII***", depozit nr. a 2010 01011/25.10.2010.

ANEXA 6

REALIZĂRI EXCELENTE OBȚINUTE ÎN ANUL 2015 (CCA 3 REALIZĂRI): LUCRĂRI ȘTIINȚIFICE PUBLICATE ÎN REVISTE CU FACTOR DE IMPACT RIDICAT, ALTE REALIZĂRI PE CERE LE CONSIDERAȚI EXCELENTE

Fu, Q., Hajdinjak, M., **Moldovan, O.T., Constantin, S.,** Mallick, S., Skoglund, P., Patterson, N., Rohland, N., Lazaridis, I., Nickel, B., Viola, B., Prüfer, K., Meyer, M., Kelso, J., Reich, D., Pääbo, S. 2015. An early modern human from Romania with a recent Neanderthal ancestor. *Nature*, **524:** 216-219 (**IF 41.456)**

Moldovan O.T., Levei E. 2015 – Temporal variability of fauna and the importance of sampling frequency in the hyporheic zone. *Hydrobiologia*, **755**: 27-38 (**IF 2.275)**

Giurginca, **A**., **Munteanu, C.M., Vlaicu, M. & Tabacaru, I.G**., 2015 – *Cavernicolous Oniscidea of Romania*. "Semne" Publishing House, Romania, 166 pp., ISBN: 606-15-0673-2

ANEXA 7

PREMII INTERNAȚIONALE / NAȚIONALE (ALE ACADEMIEI ROMÂNE) OBȚINUTE DE CERCETĂTORII ACADEMIEI ROMÂNE (AUTORI, LUCRĂRI PREMIATE)

1. ***Premiul Emil Racoviță*** pentru lucrarea:

Trinkaus, E., **Constantin**, **S.** and Zilhão, J. (*Eds.)*, 2013 – Life and Death at the Pestera cu Oase. A Setting for Modern Human Emergence in Europe. ***Oxford University Press USA***, 438 p. ISBN: 978-0-19-539822-9.

ANEXA 8

COOPERĂRI ŞTIINŢIFICE NAŢIONALE ŞI INTERNAŢIONALE, INCLUSIV ÎN PROIECTE (CU INDICAREA NUMĂRULUI DE PROIECT ŞI A PARTENERILOR). VIZITATORI DIN STRĂINĂTATE

8.1. Cooperări științifice naționale

Universitatea Babeş-Bolyai – prof. C. Cosma Proiect CAVEMONITOR, Contract 17SEE/2014.
Universitatea din Suceava – Aurel Persoiu (Grant PN-II-CT-RO-FR-2014-2-0055 - Cunatificarea relatiei climat - izotopi stabili in speleoteme de-a lungul unui transect European est-vest
Muzeul Naţional de Istorie Naturală "Gr. Antipa"
Istitutul de Biologie Bucuresti

Ministerul Mediului și Schimbărilor Climatice
ICAS Bucuresti
Muzeul Olteniei, Craiova
Institutul Național de Cercetare Dezvoltare pentru Delta Dunării Tulcea
Academia de Stiinte Agronomice si Silvice
Facultatea de Biologie, Univ. Babes-Bolyai Cluj-Napoca
Facultatea de Geografie, Univ. din Suceava
Grupul de Explorări Subacvatice și Speologice

8.2. Cooperări științifice internaționale

Universitatea din Bergen, Norvegia – Proiect CAVEMONITOR, Contract 17SEE/2014.
Comisariatul pentru Energie Atomica (CEA), Franta – Proiect FreEem, Contract C04-8
Institutul de Geologie, Academia Polona, Varsovia – Proiect de colaborare interacademică
Universitatea din Melbourne, Australia – colaborare cu dr. John Hellstrom (datari ICPMS)
Escuela Politécnica Nacional, Quito, Ecuador - colaborare cu prof. Marcos Villacís (studii paleoclimatice)
Universidad de Las Fuerzas Armadas, ESPE, Sangolqui, Ecuador – colaborare cu prof. Theofilos Toulkeridis (speologie fizică, monitorizare peşteri, studii speleoteme)
University of Miami, Rosenstiehl School for Marine and Atmospheric Sciences – colaborare cu prof. Ali Pourmand (datări speleoteme)
Laboratorul de Stiintele Climatului si Mediului (LSCE), Gif, Franta (Grant IFA-CEA 04-08)
Universitatea din Melbourne, Australia – prof. John Hellstrom (datari U-Th)
Hungarian Natural History Museum - Hungarian OTKA grant NF 101362 'PROLONG: Providing long environmental and genetic records of glacial and interglacial climatic oscillations and human impact in the Carpathian Basin' (Director E. Magyari)
Universitatea din Koln, Germania - Partener extern si contact national pentru Romania in cadrul programului Collaborative Research Centre 806 - Our Way to Europ
University of Bremen, Germania - partener extern in ICDP Potrok Aike Maar Lake Sediment Archive Drilling Project PASADO
Royal Holloway University of London - partener extern în RESET Response of Humans to Abrupt Environmental Transitions
Universitatea din Northumbria, Newcastle, M. Britanie
Royal Natural History Museum - Dr. Frank Fiers
Department of Molecular Cell Physiology, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, The Netherlands
Université Libre de Bruxelles (ULB), Evolutionary Biology & Ecology, Brussels, Belgium
Department of Biology (*Group for Zoology and Speleobiology*, University of Ljubljana)
Institutul de Biologie a Solului , Academia Cehă de Ştiinţe (Dr. V. Sustr, Dr. K. Tajovsky).
Institutul de Zoologie, Facultatea de Biologie a Universităţii Belgrad (Prof. Dr. Božidar Ćurčić)
Facultatea de Ştiinţe, Departamentul de Biologie şi Ecologie, Novi Sad (Dr. Ivo Karaman)
Muzeul de Ştiinţe ale Naturii, Stuttgart (Dr. Helmut Schmalfuss)
Institute of Zoology,Chinese Academy of Sciences (IOZCAS) (Drd. Francesco Ballarin)
Museo Civico di Storia Naturale di Verona, Italy
National Scientific and Technical Research Council, Argentina (Dr. Maria E. Farias)
Univ. Antofagasta, Faculdad de Ciencias del Mar y Recursos Biológicos, Chile (Dr. Cristina Dorador)
*University of Berge*n (Prof. Lise Øvreås), Norvegia.

8.3. Parteneri în cadrul unor contracte ale ISER (nr. contract și parteneri)

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: zăcământul termomineral sulfuros de la Băile Herculane.***

- Institutul de Biologie București

CAVEMONITOR 17SEE/2014-2017 - ***Monitoring human impact in show caves- a pilot project on monitoring protocols and remediation techniques to be implemented in Romanian show caves***.

- Universitatea din Bergen, Norvegia
- Filiala Cluj Napoca, Academia Română
- Universitatea Babeș Bolyai, Facultatea de Geologie

Contract IFA-CEA-C4-08/2014-2016 – ***Teleconexiuni în timpul schimbărilor climatice între Europa de Vest și de Est pe baza arhivelor climatice din speleoteme contemporane din timpul ultimului interglaciar din Franța și România (FREem)***

- CEA-CNRS-UVSQ, coordonator dr. Dominique Blamart, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, Franța.

Contract 2603 / 2012-2015 – ***Monitorizarea stării de conservare a peşterilor şi speciilor de lilieci de interes comunitar din România.***

- A.S. Exploratorii Reșița
- Asociația pentru Protecția Liliecilor din România

8.4. Vizitatori din străinătate

Joost Aerts - Dept. of Molecular Cell Physiology, Faculty of Earth and Life sciences, Free University Amsterdam, Olanda
Ulrich Hambach – Universitatea din Bayreuth, Germania
Christian Zeeden – Universitatea din Aachen, Germania
Igor Obreht - Universitatea din Aachen, Germania
Janina Bosken - Universitatea din Aachen, Germania
Marc Bormann - Universitatea din Koln, Germania
Jack Longman - Universitatea Northumbria, Marea Britanie
Slobodan Markovic – Universitatea Novi Sad, Serbia
Dr. Miloslav Devetter, Dr. Vladimir Sustr – Institutul de Biologie a Solului din Ceske Budejovice, Academia de Ştiinţe a Republicii Cehe.
Dr. Alena Novakova – Institutul de Microbiologie al Academiei de Ştiinţe din Republica Cehia
Prof. Dr. Hab. Bronislaw Woloszyn – Institutul de Sistematică şi Evoluţie Animală, Cracovia – Academia de Ştiinţe din Polonia

ANEXA 9

CONFERINȚE (SIMPOZIOANE)/ MANIFESTĂRI ȘTIINȚIFICE ORGANIZATE DE ISER

Nastase-Bucur Ruxandra, Oana Moldovan – organizare expoziție permanentă **–** ***Emil Racoviță "Expeditie in trecut"*** – Turnul Croitorilor Cluj Napoca

ANEXA 10

GRANTURI / PROIECTE CÂȘTIGATE ÎN COMPETIȚII NAȚIONALE / EUROPENE ÎN ANUL 2015 SAU AFLATE ÎN DERULARE ÎN 2015

Contract 28/ 2015-2017 (PN-II-RU-TE 2014-4–1536), în cadrul programului *Tinere Echipe*
Organismul finanțator: UEFISCDI
Distribuția, utilizarea habitatului și caracteristicile ciclului de viață a speciilor troglofile în mediile hipogee și epigee
Director proiect: Dr. Raluca Ioana Băncilă
Valoare totală proiect ISER/ Valoare 2015: **550 000 RON/ 90 000 RON**

Contract 313/ 2015-2017 (PN-II-RU-TE 2014-4–2301) în cadrul programului *Tinere Echipe*
Organismul finanțator: UEFISCDI
Studiul multidisciplinar al depozitului fosil din Peștera Muierilor în vederea reconstrucției schimbărilor climatice rapide din SW României- Pleistocen sup
Director proiect: Dr. Alexandru Petculescu
Valoare totală proiect ISER/ Valoare 2015: **550 000 RON/ 75 000 RON**

Contract 48 / 2012-2016, în cadrul programului *Parteneriate în domeniile prioritare* PNII –PT-PCCA-2011 – 3.1-1619
Organismul finanțator: UEFISCDI
Reziliența sistemelor hidrotermale față de perturbări antropice și naturale. Studiu de caz: zăcământul termomineral sulfuros de la Băile Herculane.
Director proiect: Dr. Marin Constantin
Valoare totală proiect ISER/ Valoare 2015: **1 863 100 RON/ 171 760 RON**

CAVEMONITOR 17SEE / 2014-2017 (*Grant EEA-JRP-RO-NO-2013-1-0259*), proiect cercetare implementat în cadrul *Mecanismului Financiar al Spațiului Economic European 2009-2014.* ISER București - Promotor Proiect, Compartimentul Cluj Napoca – partener
Organismul Finanțator: MINISTERUL EDUCAȚIEI NAȚIONALE
Monitoring human impact in show caves- a pilot project on monitoring protocols and remediation techniques to be implemented in Romanian show caves
Director proiect: Dr. Silviu Constantin, Responsabil ISER Cluj Napoca: Dr. Oana Moldovan
Valoare totală proiect ISER / Valoare 2015 : **476 690 Euro/ 135 189 Euro**

Contract IFA-CEA-C4-08/2014-2016, Capacități, Modul III
Organismul Finanțator: INSTITUTUL DE FIZICĂ ATOMICĂ
Teleconexiuni în timpul schimbărilor climatice între Europa de Vest și de Est pe baza arhivelor climatice din speleoteme contemporane din timpul ultimului interglaciar din Franța și România (FREem)
Director proiect: Dr. Silviu Constantin
Valoare totală proiect ISER / Valoare 2015 : **445 000 RON / 160 000 RON**

PN-II-ID-PCE-2012-4-0530/ 2013-2016, Proiecte de Cercetare Exploratorie
Organismul Finanțator: UEFICSDI
Millennial-scale geochemical records of anthropogenic impact and natural climate change in the Romanian Carpathians.
Director proiect**:** Dr. Daniel Vereș
Valoare totală proiect ISER / Valoare 2015: **1.303.573 RON /**

Contract 2603 / 2012-2015 – contract prestări servicii

Organismul Finanțator: Institutul de Biologie al Academiei Române (POS Mediu, Axa Prioritară 4)
Monitorizarea stării de conservare a peşterilor şi speciilor de lilieci de interes comunitar din România.
Responsabil proiect**:** Drd. Marius Vlaicu
Valoare totală proiect ISER / Valoare 2015: **2 221 518 RON / 419 000 RON**

Contract 5382 / 2015 – contract prestări servicii
Organismul Finanțator: Institutul Național de Cercetare Dezvoltare Delta Dunării Tulcea
Consolidarea rețelei Natura2000
Responsabil proiect**:** Dr. Eugen Nițu
Valoare totală proiect ISER / Valoare 2015: **124 000 RON/ 124 000 RON**

ANEXA 11

CONCLUZII FINALE ȘI PROPUNERI

In anul 2015 cercetătorii din ISER (**28 cercetători atestați și 4 ACS**) au publicat **34 lucrări ISI** (cu un factor de impact cumulat de **135.487**), **10** lucrări în reviste indexate BDI, **4** cărți și **2** capitole de carte. Vizibilitatea cercetătorilor este relevată de cele peste **400 citări** ale lucrărilor publicate anterior. Prin cele **44** participări la manifestări internaționale s-au făcut cunoscute rezultatele recente ale cercetărilor. Toate participările cercetătorilor din ISER la manifestările internaționale, precum și peste **95%** din deplasările în țară au fost susținute din fondurile obținute prin contracte de cercetare (în anul 2015 fiind în derulare **8 contracte de cercetare**, dintre care **trei** au fost obținute în acest an).

Cu fondurile obținute din contracte s-a realizat Laboratorul de Hidrogeochimie, dotat cu aparatură de vârf, aflat în procedură de acreditare conform SR EN ISO/CEI 17025:2005.

De asemenea, a fost organizată o expoziție permanentă ***Emil Racoviță "Expeditie in trecut"*** și a fost obținut ***Premiul Emil Racoviță*** al Academiei Române.

În ceea ce privește managementul resursei umane în anul 2015 au promovat doi cercetători în funcția de CS II, 4 cercetători în funcția de CS III, 4 cercetători în funcția de CS, au fost angajați 3 tineri asistenți cercetare, iar doi cercetători au plecat din Institut.

Comparativ cu anul trecut se remarcă **o *creștere la toate capitolele:*** atât a ***numărului de lucrări*** cât și a ***vizibilității internaționale*** (dublarea factorului de impact cumulat, creșterea numărului de citări, a participărilor la manifestările internaționale, precum și menținerea numărului de vizitatori ai Institutului). În plus, față de anul trecut, au fost obținute **trei noi contracte de cercetare** cu UEFICSDI și Institutul Național de Cercetare Dezvoltare Delta Dunării Tulcea.

PROPUNERI

- *necesitatea stimulării personalului de cercetare prin îmbunătățirea condițiilor de promovare.* În prezent în cadrul ISER sunt **14 CS III** (cu o vechime de peste 10 ani) din care **7** îndeplinesc criteriile minime de promovare la CS II. Cu toate acestea promovările sunt limitate din cauza **necesității existenței unui post vacant.** S-ar impune, în aceste condiții, modificarea legislației, astfel încât să existe posibilitatea promovării prin transformarea propriului post după o perioadă de maximum trei ani, în condițiile existenței fondurilor necesare.
- *Revenirea la acordarea salariului de merit* pentru personalul care performează
- Stimularea *apariției constante a revistei ISER Travaux de l'Institut de Spéologie* (B+) și începerea demersurilor pentru indexarea acesteia în Web of Science, având ca obiectiv obținerea unui factor de impact.