**CURRICULUM VITAE**

**Personal Information:**

Name: **Oana Teodora MOLDOVAN**

Work address: Romanian Academy, “Emil Racovita” Institute of Speleology, Cluj Department

E-mail: oanamol35@gmail.com

Nationality: Romanian

**Education:** 1982-1986: Faculty of Biology, Geography & Geology, “Babes-Bolyai” University, Cluj, Romania

**Academic degree:** Ph.D. in ecology from the "Paul Sabatier" Université, Toulouse, France in 1997

**Position held:**

2006 – present: *Senior Researcher I,* Emil Racovita Institute of Speleology, Cluj Department

2008 – present: *Associated Professor,* Babes-Bolyai University, Cluj

2019 – present: *Associated Researcher*, Centro Nacional de Investigación sobre la Evolución Humana, CENIEH (Burgos, Spain)

2019 - present: *Associated Researcher*, Romanian Institute of Science and Technology (RIST)

2012 - present: editor-in-chief, *Subterranean Biology* (WoS)

2017 – present: associated editor, *Frontiers in Ecology and Evolution* (WoS)

**Teaching:** lectures in Hydrobiology, Ecological reconstruction, Statistics for ecology, Biospeleology at the Babes-Bolyai University

**Interest in:** Protection and management of caves and karst areas, Coleoptera, Crustacea, Cave ecology, Groundwater ecology, Conservation, Invertebrate paleofauna, Paleoenvironments

**Work experience:**

1992-97 (10 months) Ph.D. student, Laboratoire souterraine du CNRS, Moulis, France

1995-96 (3 months) Ph.D. student, Université Paris Sud, Laboratoire “Mecanismes de Communications”, France

2002 (1 month) Visiting Fellow, Laboratory of Electronic Microscopy, Bergen University, Norway

2005 (1 month) Visiting Fellow, Museo de Ciencias Naturales, Madrid, Spain

2007 (1 month) Visiting Fellow, Museo din Scienze Naturali, Verona, Italy

2008 (1 month) Visiting Fellow, Karst Research Institute, Postojna, Slovenia

2008 (1 month) Visiting Fellow, Royal Belgian Institute of Natural Sciences, Bruxelles, Belgium

2017 (3 months) Visiting Fellow, University of Quito, Ecuador

2020 (6 months) Visiting Fellow, Centro Nacional de Investigación sobre la Evolución Humana, CENIEH, Burgos, Spain

**Specializations**:

- Advanced Study Course on Groundwater Ecology, Wien, Austria (1999)

- Course on Bayesian Statistics, Risǿ, Denmark (2010)

**International expeditions**: Israel, Brazil, Bosnia-Hercegovina, Slovakia, Poland

**Membership:**

International Society for Subterranean Biology (France)

IUCN, International Union for Conservation of Nature

**Awards**:

- George Barițiu Medal for outstanding scientific results from the Romanian Academy – Cluj Branch, 2016

- Emil Racovitza Award of the Romanian Academy - 2020

**International Conferences**:

25th International Conference on Subterranean Biology (Cluj-Napoca, Romania, 2022)

International workshop "DNA-based groundwater monitoring" (Divaca, Slovenia, 2019) **invited lecture**

24th International Conference on Subterranean Biology (Aveiro, Portugal, 2018)

The 10th International Zoological Congress of "Grigore Antipa" Museum (Bucuresti, Romania, 2017) **invited lecture**

8th Biennial Conference of the International Biogeography Society (Tucson, SUA, 2017)

The Second Interdisciplinary Symposium Biogeography of the Carpathians: Ecological and evolutionary facets of biodiversity (Cluj-Napoca, Romania, 2017)

23rd International Conference on Subterranean Biology (Fayetteville, USA, 2016)

2nd Central European Symposium for Aquatic Macroinvertebrates (Pecs, Hungary, 2016)

33rd Congress of the International Society for Limnology (Torino, Italy, 2016)

35th International Geologic Congress (Cape Town, South-Africa, 2016)

National Cave and Karst Management Symposium (Cave City, USA, 2015)

Paleoecological reconstructions – lacustrine, peat and cave sediments Conference (Warszaw, Poland, 2013) **invited lecture**

18th International Cave Bear Symposium, Baile Herculane (Romania, 2012) **key lecture**

34th International Geological Congress (Brisbane, Australia, 2012) **key lecture**

21st International Conference of Subterranean Biology (Kosice, Slovacia, 2012) **key lecture**

22nd Goldschmidt Geochemistry Conference (Montréal, Canada, 2012)

18th INQUA Congress (Berna, Swiss, 2011)

28th IAS meeting of sedimentology (Zaragoza, Spain, 2011)

5th International Conference of the Society of Biogeography (Heraklion, Crete, 2011)

20th International Conference on Subterranean Biology (Postojna, Slovenia, 2010)

15th International Congress of Speleology (Texas, SUA, 2009)

1st Cave Monitoring Workshop (2009, Gibraltar)

International Workshop: Impact of climate changes on subterranean life of the Carpathian Mountains: challenge for protection (2008, Garda de Sus, Romania)

18th International Symposium of Subterranean Biology (Fremantle, Australia 2008)

Climate Change: The Karst Record (KR5) (Chongching, China, 2008)

International Symposium „Time in Karst” (Postojna, Slovenia, 2007), key-speaker

Symposium Internationale Entomofaunisticum Europae Centralis XX (Cluj-Napoca, Romania, 2007)

6th Symposium of Karst Protection (Belgrade, Serbia, 2007)

International Symposium of Entomologists (Uzice, Serbia, 2007)

ESF LESC/SCSS Exploratory Workshop. Effectiveness and gaps in European legislation concerning subterranean fauna protection and the importance of setting up a European network of protected caves (Cluj-Napoca, Romania, 2006)

18th International Symposium of Biospeleology (Cluj-Napoca, Romania, 2006)

1st European Congress on Conservation Biology (Eger, Hungary, 2006)

14th International Congress of Speleology (Athens, Grecia, 2005)

Karst 2005, International Conference and Field Seminar on Water Resources & Environmental Problems in Karst (Belgrade & Kotor, Serbia & Montenegro, 2005)

12th International Karstological School “Classical Karst” (Postojna, Slovenia, 2004) **invited lecture**

International Workshop on Subsurface Organisms (Băile Felix, 2003)

International Workshop «Fauna Carpathica» (Stara Lesna, Slovakia, 2003)

3rd Symposium on Cave Archaeology, Geology & Palaeontology (Athens, Grecia, 2003)

10th International Karstological School “Classical Karst” (Postojna, Slovenia, 2002)

16th International Symposium of Biospeleology (Sao Paulo, Brazil, 2001), **invited lecturer**

Karst studies and problems: 2000 and beyond (Cluj-Napoca, 2000)

14th International Symposium of Biospeleology (Makarska, Croatia, 1999)

International Congress of Insects Reproduction and Development (Amsterdam, The Netherlands, 1998)

12th International Congress of Speleology (La Chaux-de-Fonds, Swiss, 1997)

Climatic Change: The Karst Record (Bergen, Norway, 1996)

12th International Symposium of Biospeleology (Moulis, France, 1995)

**Languages:** English, French, German, Spanish, Italian

**Other activities:**

Member in the Scientific Committee of the 24th International Conference on Subterranean Biology (Aveiro, Portugal, 2018), 23rd International Conference on Subterranean Biology(Fayetteville, USA, 2016), 2nd Central European Symposium for Aquatic Macroinvertebrates (Pecs, Hungary, 2016), 22nd International Conference on Subterranean Biology (Juriquilla, Mexico, 2014), 21stInternational Conference on Subterranean Biology (Kosice, Slovakia, 2012), 20th International Conference on Subterranean Biology (Postojna, Slovenia, 2010), 15th International Congress of Speleology (Texas, USA, 2009), 19th International Symposium of Subterranean Biology (Fremantle, Australia, 2008), International Symposium “Time in Karst” (Postojna, Slovenia, 2007).

Ad-hoc referee for Hydrobiologia, Studies on Neotropical Fauna and Environment, Biodiversity & Conservation, Miscellanea Zoologica, Current Anthropology, Natura Croatica, Zootaxa, InternationalJournal of Speleology, Global Change Biology, Biologia, Hydrobiologia, Ecohydrology, Zoologische Anzeiger, etc.

Member of the IUCN Cave Invertebrates Specialist Group

Supervisor of bachelor, master and PhD students

Member in the expert panel for grant evaluation of the Croatian Science Foundation, Slovenian Research Council, Czech Academy of Sciences, European Science Foundation, Romanian Ministry of Education, Research and Innovation, Slovak Academy of Sciences, Lithuanian Agency for Research, [ERA.NET](http://era.net/)RUS Pilot Joint Call on Collaborative Science & Technology Projects.

**Organized international conferences:**

25th International Conference on Subterranean Biology (Cluj-Napoca, Romania, 2022), **organizer**

Workshop *Protection and Management of Rare and Endangered Subterranean Fauna Symposium*, 15thInternational Congress of Speleology (Texas, USA, 2009), **co-organizer**

Workshop: Impact of climate changes on subterranean life of the Carpathian Mountains: challenge for protection (Garda de Sus, Romania, 2008) **organizer**

18th International Symposium of Biospeleology (Cluj-Napoca, Romania, 2006), **organizer**

European Science Foundation Exploratory Workshop on *Effectiveness and gaps in the European legislation concerning subterranean fauna protection and the importance of setting up a European network of protected caves* (Cluj-Napoca, 2006), **organizer**

International Workshop on Subsurface Organisms (Băile Felix, Romania, 2003), **organizer**

Fauna Carpathica 2004, International Validation Workshop (Smolenice, Slovakia, 2004), **co- organizer**

Karst studies and problems: 2000 and beyond (Cluj-Napoca, Romania, 2000), **co-organizer**

**Patents**

Chilintan Mircea, Cimponeriu Andrei, Maries Gabriel**, Moldovan Oana**. Method and circuit of conductivity measurement. OSIM no. A/01011/25.10.2010

**Papers/Books**

Indexed Papers in Web of Science (Core Collection):

Torok AI, Casoni D, Senila M, Tanaselia C, Covaci E, Hoaghia M-A, Neag E, Cadar O, Levei EA, Arghir R, **Moldovan OT**, Constantin S, Frentiu T. 2024. Spatial variability and hydro/geochemical profiling of the elemental composition of mineral deposits and drip water from caves using unsupervised chemometric modelling, Chemical Geology, 646, 121903.

**Moldovan, O.T.**, Carrell, A.A., Bulzu, PA. *et al.* The gut microbiome mediates adaptation to scarce food in Coleoptera. *Environmental Microbiome* 18, 80 (2023).

Saclier, N.,  Duchemin, L.,  Konecny-Dupré, L.,  Grison, P.,  Eme, D.,  Martin, C.,  Callou, C.,  Lefébure, T., François, C.,  Issartel, C.,  Lewis, J. J.,  Stoch, F.,  Sket, B.,  Gottstein, S.,  Delić, T.,  Zagmajster, M.,  Grabowski, M., Weber, D.,  Reboleira, A. S. P. S. …**Moldovan, O.T.**, ... Malard, F. (2023).  A collaborative backbone resource for comparative studies of subterranean evolution: The World Asellidae database. *Molecular Ecology Resources*, 24, e13882.

Theodorescu, M., Bucur, R., Bulzu, PA., Faur L., Levei EA., Mirea IC, Cadar O., Ferreira R, Souza-Silva M., **Moldovan OT**. (2023). Environmental Drivers of the Moonmilk Microbiome Diversity in Some Temperate and Tropical Caves. *Microbil Ecol*ogy, 86,2847-2857.

Haidău C, Bulzu PA, Mirea IC, Bucur R, **Moldovan OT** (2023): Potential Environmental Drivers of Fossil Bones Degradation—A Metabarcoding Approach in Two Carpathian Caves, *Geomicrobiology Journal*, 40:7, 654-666.

Szekeres, E, Baricz, A, Cristea A, Levei, EA, Stupar, Z, Brad, T., Kenesz, M., **Moldovan**, OT, Banciu, HL, Karst spring microbiome: diversity, core taxa, and community response to pathogens and antibiotic resistance gene contamination. *Science of the Total Environment*, 895, 165133.

Nesterovschi I, Marica I, Levei EA, Angyus SB, Kenesz M, **Moldovan OT**, Cîntă Pînzaru S. (2023) Subterranean transport of microplastics as evidenced in karst springs and their characterization using Raman spectroscopy. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscop*y, 298, 122811.

Török AI, Moldovan A, Tănăselia C, Kovacs E, Mirea IC, **Moldovan OT**, Levei EA. (2023) Sr Isotope, Major, and Trace Element Signatures in Karst Groundwaters. Water 15(7):1431.

Bogdan DF, Baricz AI, Chiciudean I, Bulzu P-A, Cristea A, Năstase-Bucur R, Levei EA, Cadar O, Sitar C, Banciu H, **Moldovan OT** (2023) Diversity, distribution and organic substrates preferences of microbial communities of a low anthropic activity cave in North-Western Romania. *Front. Microbiol.* 14:962452.

Măntoiu DŞ, Mirea IC**,** Şandric IC, Cîşlariu AG, Gherghel I, Constantin S, **Moldovan OT** (2022) Bat dynamics modelling as a tool for conservation management in subterranean environments. *PLoS ONE* 17(10): e0275984.

Stupar Z, Levei EA Neag E, Baricz A, Szekeres E, **Moldovan OT**. (2022) Microbial water quality and health risk assessment in karst springs from Apuseni Mountains, Romania. *Frontiers in Environmental Science* 10.

Chiciudean I, Russo G, Bogdan DF, Levei EA, Faur L, Hillebrand-Voiculescu A, **Moldovan OT**, Banciu HL. Competition-cooperation in the chemoautotrophic ecosystem of Movile Cave: first metagenomic approach on sediments. *Environmental Microbiome* 17, 44 (2022).

Năstase-Bucur R, Allegrucci G, Ketmaier V, Mirea IC, **Moldovan OT** (2022) Comparative phylogeography of two troglobitic Coleoptera (Leiodidae, Leptodirini) species from Romania based on mitochondrial DNA. *Subterranean Biology* 42: 61-78.

Brad T, Bizic M, Ionescu D, Chiriac CM, Kenesz M, Roba C, Ionescu A, Fekete A, Mirea IC, **Moldovan OT**. 2022. Potential for Natural Attenuation of Domestic and Agricultural Pollution in Karst Groundwater Environments. *Water*,14(10):1597.

Haidău C, Năstase-Bucur R, Bulzu P, Levei E, Cadar O, Mirea IC, Faur L, Fruth V, Atkinson I, Constantin S, **Moldovan OT**. 2022. A 16S rRNA Gene-Based Metabarcoding of Phosphate-Rich Deposits in Muierilor Cave, South-Western Carpathians. *Frontiers in Microbiology* 13.

## **Moldovan OT**, Miko L, Panaiotu C, Roban RD, Gąsiorowski M, Hercman H, Orza R, Kenesz M, Mirea IC, Petculescu A, Robu M, Constantin S. 2022. Small Human Population Drastic Impact, as Inferred From Multi-Proxies of a Temporary Carpathian Lake. *Frontiers in Earth Science* 10.

Mammola S, Meierhofer MB, Borges PAV, ..., **Moldovan OT**, ..., Cardoso P. 2022. Towards evidence-based conservation of subterranean ecosystems. *Biological Reviews*, 97: 1476-1510.

Ionescu MI, Neagoe DȘ, Crăciun AM, **Moldovan OT**. 2022. The Gram-Negative Bacilli Isolated from Caves—*Sphingomonas paucimobilis* and *Hafnia alvei* and a Review of Their Involvement in Human Infections. *International Journal of Environmental Research and Public Health*, 19(4):2324.

Moldovan A, Török AI, Mirea IC, Micle V, **Moldovan OT**, Levei EA. 2022. Health Risk Assessment in Southern Carpathians Small Rural Communities Using Karst Springs as a Drinking Water Source. *International Journal of Environmental Research and Public Health*, 19(1):234.

Iepure S, Bădăluţă C-A, **Moldovan OT** (2021) ﻿An annotated checklist of groundwater Cyclopoida and Harpacticoida (Crustacea, Copepoda) from Romania with notes on their distribution and ecology. *Subterranean Biology* 41: 87-108.

Torok AI, Levei EA, Constantin S, **Moldovan OT**, Senila M, Cadar O, Casoni D, Angyus SB, Tanaselia C, Covaci E, Frentiu T. (2021) Application of Inductively Coupled Plasma Spectrometric Techniques and Multivariate Statistical Analysis in the Hydrogeochemical Profiling of Caves—Case Study Cloșani, Romania. *Molecules*, 26(22):6788.

Wynne, JJ, Howarth, FG, Mammola, S, …**Moldovan, OT**, …et al. (2021) A conservation roadmap for the subterranean biome. *Conservation Letters*, e12834.

Angyus SB, Levei E, Petreus D, Etz R, Covaci E, **Moldovan OT**, Ponta M, Darvasi E, Frentiu T (2021) Simultaneous Determination of As, Bi, Sb, Se, Te, Hg, Pb and Sn by Small-Sized Electrothermal Vaporization Capacitively Coupled Plasma Microtorch Optical Emission Spectrometry Using Direct Liquid Microsampling. *Molecules* 26: 2642.

Hoaghia M-A, Moldovan A, Kovacs E, Mirea IC, Kenesz M, Brad T, Cadar O, Micle V, Levei EA, **Moldovan OT** (2021) Water Quality and Hydrogeochemical Characteristics of Some Karst Water Sources in Apuseni Mountains, Romania. *Water* 13: 857.

Cucoș AL, Moldovan MC, Burghele BD, Dicu T,**Moldovan OT**. 2021. Radiological Risk Assessment for Karstic Springs Used as Drinking Water in Rural Romania. Atmosphere. 12(9):1207.

Török AI, Moldovan A, Levei EA, Cadar O, Tănăselia C, **Moldovan OT** (2021) Assessment of Lithium, Macro- and Microelements in Water, Soil and Plant Samples from Karst Areas in Romania. *Materials* 14: 4002.

Sitar C., Barbu-Tudoran L., **Moldovan OT.** (2021) Morphological and Micromorphological Description of the Larvae of Two Endemic Species of *Duvalius* (Coleoptera, Carabidae, Trechini). *Biology* 10, 7: 627.

Hajdinjak M, Mafessoni F, Skov L, Vernot B, Hübner A, Fu Q, Essel E, Nagel S, Nickel B, Richter J, **Moldovan OT,** Constantin S, Endarova E, Zahariev N, Spasov R, Welker F, Smith GM, Sinet-Mathiot V, Paskulin L, Fewlass H, Talamo S, Rezek Z, Sirakova S, Sirakov N, McPherron SP, Tsanova T, Hublin J-J, Peter BM, Meyer M, Skoglund P, Kelso J, Pääbo S. (2021) Initial Upper Palaeolithic humans in Europe had recent Neanderthal ancestry. *Nature* 592, 253–257.

Constantin S, Mirea IC, Petculescu A, Arghir RA, Măntoiu DȘ, Kenesz M, Robu M, **Moldovan OT**\* (2021) Monitoring Human Impact in Show Caves. A Study of Four Romanian Caves. *Sustainability*, 13(4):1619.

Zeppelini D, Dal Molin A., Lamas CJE, Sarmiento C, Rheims CA, Fernandes DRR, Lima EFB, Silva EN, Carvalho-Filho F., Kováč L, Montoya-Lerma J, **Moldovan OT**, Souza-Dias PGB, Demite PR, Feitosa RM, Boyer SL, Weiner WM, Rodrigues WC (2021) The dilemma of self-citation in taxonomy. *Nat Ecol Evol* 5, 2.

Moldovan A, Hoaghia M-A, Kovacs E, Mirea IC, Kenesz M, Arghir RA, Petculescu A, Levei EA, **Moldovan OT** (2020) Quality and Health Risk Assessment Associated with Water Consumption—A Case Study on Karstic Springs. *Water*, 12(12): 3510.

**Moldovan OT**, Baricz A, Szekeres E, Kenesz M, Hoaghia MA, Levei EA, Mirea IC, Năstase-Bucur R, Brad T, Chiciudean I, Banciu HL. (2020) Testing Different Membrane Filters for 16S rRNA Gene-Based Metabarcoding in Karstic Springs. *Water*, 12(12):3400.

**Moldovan OT**, Iepure S, Brad T, Kenesz M, Mirea IC, Năstase-Bucur R. (2020) Database of Romanian cave invertebrates with a Red List of cave species and a list of hotspot/coldspot caves. *Biodiversity Data Journal* 8:e53571.

Măntoiu DŞ, Kravchenko K, Lehnert LS, Vlaschenko A, **Moldovan OT**, Mirea IC, Stanciu RC, Zaharia R, Popescu-Mirceni R, Nistorescu MC, Voigt CC (2020) Wildlife and infrastructure: impact of wind turbines on bats in the Black Sea coast region. *Eur J Wildl Res* 66, 44.

**Moldovan O.T.**, Bercea S., Năstase-Bucur R., Constantin S., Kenesz M., Mirea I.C., Petculescu A., Robu M., Arghir R.A. (2020) Management of water bodies in show caves – A microbial approach. *Tourism Management*, 78, 104037.

Bercea S, Năstase-Bucur R, **Moldovan OT**, Kenesz M, Constantin S (2019) Yearly microbial cycle of human exposed surfaces in show caves. *Subterranean Biology* 31: 1-14.

Mammola S, Cardoso P, Angyal D, Balázs G, Blick T, Brustel H, Carter J, Ćurčić S, Danflous S, Dányi L, Déjean S, Deltshev C, Elverici M, Fernández J, Gasparo F, Komnenov M, Komposch C, Kováč L, Kunt KB, Mock A, **Moldovan OT**, Naumova M, Pavlek M, Prieto CE, Ribera C, Rozwałka R, Růžička V, Vargovitsh RS, Zaenker S, Isaia M (2019) Local- versus broad-scale environmental drivers of continentalβ-diversity patterns in subterranean spider communities across Europe. *Proceedings of the Royal Society B: Biological Sciences* 286: 20191579.

Mammola S., Cardoso P., Culver D.C., Deharveng L., Ferreira R.L., Fišer C., Galassi D.M.P., Griebler C., Halse S., Humphreys W.F., Isaia M., Malard F., Martinez A., **Moldovan O.T.**, Niemiller M.L., Pavlek M., Reboleira A.S.P.S., Souza-Silva M., Teeling E.C., Wynne J.J., Zagmajster M. 2019. Scientists' Warning on the Conservation of Subterranean Ecosystems, *BioScience*, 69: 641–650.

Mammola S., Cardoso P., Angyal D., Balázs G., Blick T., Brustel H., Carter J., Ćurčić S., Danflous S., Dányi L., Déjean S., Deltshev C., Elverici M., Fernández J., Gasparo F., Komnenov M., Komposch C., Kováč L., Kunt K.B., Mock A., **Moldovan O.**, Naumova M., Pavlek M., Prieto C.E., Ribera C., Rozwałka R., RůžičkaV., Vargovitsh R.S., Zaenker S., Isaia M. (2019) Continental data on cave-dwelling spider communities across Europe (Arachnida: Araneae). *Biodiversity Data Journal* 7: e38492.

**Moldovan, O.T.**, Brad T. (2019) Comment on *“*Assessing preservation priorities of caves and karst areas using the frequency of endemic cave-dwelling species*”* by Nitzu et al. (2018), Int. J. Speleol., 47 (1):43-52. *International Journal of Speleology,* 48: 107-109.

Constantin, S., Toulkeridis, T., **Moldovan, O.T.,** Villacis, M., Addison, A. (2018) Caves and karst of Ecuador –state-of-the-art and research perspectives, *Physical Geography*, 40:28-51.

Bercea, S., Nastase-Bucur, R., Mirea, I.C., Mantoiu, D.S., Kenesz, M., Petculescu, A., Baricz, A., Andrei, A-S., Banciu, H.L., Papp, B., Constantin, S., **Moldovan, O.T.** (2018) Novel approach to microbiological air monitoring in show caves. *Aerobiologia*, 34:445-468.

**Moldovan, O.T.,** Constantin, S., Cheval, S. (2018) Drip heterogeneity and the impact of decreased flow rates on the vadose zone fauna in Ciur‐Izbuc Cave, NW Romania. *Ecohydrology*, 11: e2028.

Epure L., Munteanu V., Constantin S., **Moldovan O.T.** (2017) Ecophysiological groups of bacteria from cave sediments as potential indicators of paleoclimate. *Quaternary Internationa*l 432:20- 32.

Fu Q., Posth C., Hajdinjak M., Petr M., Mallick S., Fernandes D., Furtwangler A., Haak W., Meyer M., Mittnik A., Nickel B., Peltzer A., Rohland N., Slon V., Talamo S., Lazaridis I., Lipson M., Mathieson I., Schiffels S., Skoglund P., Derevianko A.P., Drozdov N., Slavinsky V., Tsybankov A., Grifoni Cremonesi R., Mallegni F., Gely B., Vacca E., Gonzalez Morales M.R., Straus L.G., Neugebauer-Maresch C., Teschler-Nicola M., Constantin S., **Moldovan O.T.**, *et al.* (2016) The genetic history of Ice Age Europe. *Nature*, 534: 200-205.

**Moldovan O.T.**, Constantin S., Panaiotu C., Roban R.D., Frenzel P., Miko L. (2016) Fossil invertebrates records in cave sediments and paleoenvironmental assessments: a study of four cave sites from Romanian Carpathians. *Biogeosciences* 13: 483-497.

Pacioglu O., **Moldovan O.T.** (2016) Response of invertebrates from the hyporheic zone of chalk rivers to eutrophication and land use. *Environmental Science and Pollution Research,* 23: 4729-4740.

[Fu,](https://www.researchgate.net/researcher/49029057_Qiaomei_Fu) Q., [Hajdinjak,](https://www.researchgate.net/researcher/2076592654_Mateja_Hajdinjak) M., **Moldovan, O.T.,** Constantin, [S., Mallick,](https://www.researchgate.net/researcher/14447246_Swapan_Mallick) [S., Skoglund,](https://www.researchgate.net/researcher/56542713_Pontus_Skoglund) [P., Patterson,](https://www.researchgate.net/researcher/38429117_Nick_Patterson) [N.,](https://www.researchgate.net/researcher/39174405_Nadin_Rohland) [Rohland,](https://www.researchgate.net/researcher/39174405_Nadin_Rohland) [N., Lazaridis,](https://www.researchgate.net/researcher/2040519323_Iosif_Lazaridis) [I., Nickel,](https://www.researchgate.net/researcher/39898822_Birgit_Nickel) [B., Viola,](https://www.researchgate.net/researcher/13836728_Bence_Viola) [B., Prüfer,](https://www.researchgate.net/researcher/38382571_Kay_Pruefer) [K., Meyer,](https://www.researchgate.net/researcher/38299058_Matthias_Meyer) M., [Kelso,](https://www.researchgate.net/researcher/39760637_Janet_Kelso) J., [Reich,](https://www.researchgate.net/researcher/39498620_David_Reich) [D.,](https://www.researchgate.net/researcher/39938162_Svante_Paeaebo) [Pääbo,](https://www.researchgate.net/researcher/39938162_Svante_Paeaebo) S. (2015) [An early modern human from Romania with a recent Neanderthal](https://www.researchgate.net/publication/279066725_An_early_modern_human_from_Romania_with_a_recent_Neanderthal_ancestor) [ancestor.](https://www.researchgate.net/publication/279066725_An_early_modern_human_from_Romania_with_a_recent_Neanderthal_ancestor) *Nature*, 524: 216-219.

Levei E.A., Frentiu T., Ponta M., Senila M., **Moldovan O.T.** (2015) Assessment of pollutants input of acid mine drainage and domestic activities in Aries river water, Romania – A chemometric approach. *Environmental Engineering and Management Journal*, 11: 2567- 2576.

Meleg, I.N., Battes, K.P., Fiers, F., **Moldovan, O.T.** (2015) [Contrasting copepod community](http://www.scopus.com.ux4ll8xu6v.useaccesscontrol.com/record/display.uri?eid=2-s2.0-84944624696&origin=resultslist&sort=plf-f&src=s&st1=Moldovan&st2=Oana&nlo=1&nlr=20&nls=count-f&sid=C1991C40B94DE941A64DB231D3E465DA.FZg2ODcJC9ArCe8WOZPvA%3a73&sot=anl&sdt=aut&sl=42&s=AU-ID%28%22Moldovan%2c%2BOana%2BTeodora%22%2B6602580385%29&relpos=0&citeCnt=0&searchTerm=AU-ID%28%5C%26quot%3BMoldovan%2C%2BOana%2BTeodora%5C%26quot%3B%2B6602580385%29) [dynamics related](http://www.scopus.com.ux4ll8xu6v.useaccesscontrol.com/record/display.uri?eid=2-s2.0-84944624696&origin=resultslist&sort=plf-f&src=s&st1=Moldovan&st2=Oana&nlo=1&nlr=20&nls=count-f&sid=C1991C40B94DE941A64DB231D3E465DA.FZg2ODcJC9ArCe8WOZPvA%3a73&sot=anl&sdt=aut&sl=42&s=AU-ID%28%22Moldovan%2c%2BOana%2BTeodora%22%2B6602580385%29&relpos=0&citeCnt=0&searchTerm=AU-ID%28%5C%26quot%3BMoldovan%2C%2BOana%2BTeodora%5C%26quot%3B%2B6602580385%29) to sampling strategies in the unsaturated zone of a karst aquifer. *Aquatic Ecology,* 49: 549-560.

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

Epure, L., Meleg, I.N., Munteanu, C.M., Roban, R.D., **Moldovan O.T.\*** (2014) Bacterial and fungal diversity of Quaternary cave sediment deposits. *Geomicrobiology Journal*, 31: 116-127.

Webb, D., Robu, M., **Moldovan, O.T.**, Constantin, S., Tomus, B., Neag, I. (2014) Ancient human footprints in Ciur-Izbuc Cave, Romania. *American Journal of Physical Anthropology* 155: 128- 135.

Meleg, I.N., Naparus, M., Fiers, F., Meleg, I.H., Vlaicu, M., **Moldovan, O.T.** (2014) The relationships between land cover, climate and cave copepod spatial distribution and suitability along the Carpathians. *Environmental Conservation*, 41: 206-216.

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: 557–578.

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.

**Moldovan O.T.**, Meleg IN, 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.

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: 1549-1573.

**Moldovan O.T.**, Meleg I.N., Persoiu A. (2012) Habitat fragmentation and its effects on groundwater populations. *Ecohydrology*, 5: 445-452.

Meleg I.N., Fiers F., Robu M., **Moldovan O.T.\*** (2012) Distribution patterns of subsurface copepods and the impact of environmental parameters. *Limnologica*, 42: 156-164.

**Moldovan O.T.**, Mihevc A., Miko L., Constantin S., Meleg I.N., Petculescu A., Bosak P. (2011) Invertebrate fossils from cave sediments: a new proxy for pre-Quaternary paleoenvironments, *Biogeosciences*, 8, 1825-1837.

Meleg I., **Moldovan O.T.**, Iepure S., Fiers F. & Brad T. (2011) Diversity patterns of fauna from dripping water in caves from northwestern Romania. *International Journal of Limnology*, 47: 185-197.

**Moldovan O.T.\***, Levei E., Banciu M., Banciu H. L., Marin C., Pavelescu C., Brad T., Cimpean M., Meleg I., Iepure S., Povară I. (2011) Spatial distribution patterns of the hyporheic invertebrate communities in a polluted river in Romania. *Hydrobiologia*, 669: 63-82.

Levei, E., Senila, M., Miclean, M., Abraham, B., Roman, C., Stefanescu, L., **Moldovan, O.T.** (2011) Influenceof Rosia Poieni and Rosia Montana mining areas on the water quality of Aries River. *Environmental Engineering and Management Journal,* 101: 23-30.

Marin C., Tudorache A., **Moldovan O.T.**, Povara I., Rajka G. (2010) Assessing the contents of arsenic and of some heavy metals in surface flows and in the hyporheic zone of the Arieş stream catchment area, Romania. *Carpathian Journal of Earth and Environmental Sciences*, 5, 1: 13-24.

**Moldovan O.T.\***, Pipan T., Iepure S., Mihevc A., Mulec J. (2007) Biodiversity and ecology of fauna in percolating water in selected Slovenian and Romanian caves. *Acta Carsologica*, 36 (3): 493-501.

Rougier H., Milota S., Rodrigo R., Gherase M., Sarcină L., **Moldovan O.**, Zilhao J., Constantin S., Franciscus R.G., Zollikofer C. P. E., Ponce-de-Leon M. & Trinkaus E. (2007) Cranial Morphology of the Earliest Modern European: Peştera cu Oase 2. *Proc. Nat. Acad. Sci., U.S.A*, 104: 1165-1170.

**Moldovan O. T.\***, Racoviţă G., Dunaj G. (2007) Reconsidering the *Pholeuon* Hampe, 1856 (Coleoptera: Leiodidae: Cholevinae) with the description of a new sub-genus. *Zootaxa*, 1449: 31-43.

**Moldovan O. T.\***, Rajka G. (2007) Historical biogeography of subterranean beetles – between „Plato’s cave” and scientific evidence. *Acta Carsologica*, 36: 77-86.

Quiles J., Petrea C., **Moldovan O. T.**, Trinkaus E., Zilhao J., Rodrigo R., Rougier H., Constantin S., Milota S., Gherase M., Sarcina L. (2006) Cave bears from P. cu Oase (Banat, Romania): taphonomy and paleobiology. *C.R. Acad. Sc., Palevol, Paris*, 5: 927-934.

Trinkaus E., **Moldovan O.**, Milota Ş., Bilgăr A., Sarcina L., Athreya S., Bailey S.E., Rodrigo R., Gherase M., Hilgham T., Bronk Ramsey C., & van der Plicht J. (2003) An early modern human from Peştera cu Oase, Romania. *Proc. Nat. Acad. Sci., U.S.A*., 100 (20), pp. 11231–11236.

Trinkaus E., Milota Ş., Rodrigo R., Gherase M., **Moldovan O.** (2003) Early Modern Human Cranial remains from the Peştera cu Oase, Romania. *Journal of Human Evolution*, 45: 245-253.

Soran V., Biro J., **Moldovan O.**, Ardelean A. (2000) Conservation of biodiversity in Romania. *Biodiversity and Conservation*, 9: 1187-1198.

Papers indexed in other data basis:

**Moldovan OT**, Iepure S, Brad T, Kenesz M, Mirea IC, Năstase-Bucur R (2020) Database of Romanian cave invertebrates with a Red List of cave species and a list of hotspot/coldspot caves, v5, *Dryad, Dataset*, https://doi.org/10.5061/dryad.9ghx3fff9

**Moldovan OT**, Øvrevik Skoglund R, Banciu HL, Dinu Cucoș A, Levei EA, Perșoiu A, Lauritzen S-E (2019) Monitoring and risk assessment for groundwater sources in rural communities of Romania (GROUNDWATERISK). *Research Ideas and Outcomes* 5: e48898.

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

Miko L., Mourek J., Meleg I.N., **Moldovan O.T.** (2012) Oribatid mite fossils from Quaternary and pre-Quaternary sediments in Slovenian caves I. Two new genera and two new species of the family Oppiidae from the Early Pleistocene. *Acta Musei Nationalis Pragae, Series B - Historia Naturalis*, 68:23-34.

Robu M., Petculescu A., Panaiotu C., Doppes D., Marius V., Draguşin V., Kenesz M., **Moldovan O.T.**, Constantin, S. (2011) New insights on the cave bear population from the Urşilor cave, Romania. *Quaternaire, Supplement*, 4: 107-116.

Meleg I.N., **Moldovan O.T**., & Fiers F. (2011) Assessing copepod (Crustacea: Copepoda) species richness at different spatial scales in northwestern Romanian caves. *Subterranean Biology*, 9: 103-112.

Rusu M., Banciu H. L., Banciu M., Brad T., **Moldovan O. T.** (2010) Oxidative stress enzymes as biomarkers of heavy metal pollution in interstitial invertebrates. *Studia Universitatis Babes- Bolyai*, 2: 61-66.

Fiers F., **Moldovan O.** (2009) Redescription of *Spelaeocamptus spelaeus* (Chappuis, 1925), a subterranean copepod endemic to the Apuseni Mountains in Romania (Copepoda Harpacticoida). *Subterranean Biology*, 7: 51-64.

Brad, T., Bica, A., **Meleg I**., Muntean, V., Moldovan, O.T. 2009. Microbial communities in percolating water in caves of Pădurea Craiului Mountains (NW Romania). *Studia Universitatis Babes-Bolyai, Biologia* 54: 111–121.

Diedrich C., **Moldovan O**., Constantin S. (2008) Cave bear tracks, scratch marks, hair traces in the Ursilor Cave (Transylvania, Romania). Preliminary report from a famous European cave bear den. *Stalactite*, 28: 48-52.

**Moldovan O.T.** (2007) Protecţia domeniului carstic in Romania şi perspectiva europeană. *Environment & Progress*, 9: 341-346.

Trinkaus E., Bălteanu I.C., Constantin S., Gherase M., Horoi V., Milota S., **Moldovan O.**, Petrea C., Quiles J., Rodrigo R., Rougier H., Sarcina L., Soficaru, A., Zilhao, J. (2006) Asupra oamenilor moderni timpurii din Banat: Peştera cu Oase. *Banatica,* 14.

**Moldovan O.**, Jalzic B., Erichsen E. (2004) Diversity of mouthparts in some European representatives of subterranean Cholevidae (Coleoptera). *Natura Croatica*, 13: 1-18.

**Moldovan O.**, Racoviţă Gh., Rajka G. (2003) The impact of tourism in Romanian show caves: the example of the beetle populations in the Urşilor Cave of Chişcău (Transylvania, Romania). *Subterranean Biology*, 1: 73-78.

**Moldovan O.** (2003) Sex recognition at the subterranean Leptodirinae (Coleoptera, Cholevidae). II. Biochemical approach and data integration. *Subterranean Biology*, 1: 99-110.

**Moldovan O.**, Milota Ş., Sarcina L., Trinkaus E., Băltean I., Soficaru A., Rajka G. (2003) The oldest modern humans in Europe. *Theor. Appl. Karst*., 16: 77-81.

**Moldovan O.**, Iepure S., Rajka G. (2002) Research on groundwater fauna in North Western Romania. *Studia Univ. Babes-Bolyai, Biol., XLVII*, 1: 15-32, Cluj Napoca.

**Moldovan O.** (2000) Revision de *Drimeotus* s. s. Miller, 1856 (Coleoptera, Cholevidae, Leptodirinae) de Transylvanie (Roumanie), avec description de deux nouvelles especes et cle de determination des taxa, *Zoosystema*, 22: 139-152.

**Moldovan O.**, Juberthie C., Jallon J.-M. (2000) Importance of cuticular hydrocarbons for speciation in the *Speonomus delarouzeei* complex (Coleoptera, Cholevidae, Leptodirinae). *Evolution and Adaptation*, Cluj-Napoca, 6: 111-117.

Buzilă R., **Moldovan O.** (2000) Antennal receptors in two representatives of Leptodirinae (Coleoptera, Cholevidae): diversity and adaptations. *Evolution and Adaptation*, Cluj-Napoca, 6: 117-125.

**Moldovan O.** (2000) *Drimeotus plesai* (Coleoptera, Cholevidae) a new species of Leptodirinae from Transylvania (Romania). *Mem. Biospeol*., 27: 89-92.

**Moldovan O.**, C. Paredes Bartolome (1998-1999) Fractal analysis of the behaviour of cave beetles (Coleoptera: Cholevidae: Bathysciinae). *Trav. Inst.Speol. E. Racovitza*., 37-38: 217-222.

Racoviţă Gh., **Moldovan O.**, Rajka G. (1998-1999) Donnees preliminaires sur l’environnement de la Grotte des Ours en regime d’exploitation touristique. *Theor. Appl. Karst*., 11-12: 61-75.

**Moldovan O.** (1998) Reconnaissance des sexes chez les coleopteres Bathysciinae souterrains: I. Approche experimentale. *Mem. Biospeol*., 25: 87-105.

**Moldovan O.** (1998) Sternal gland in the species of *Bathysciola* (Coleoptera, Cholevidae,Bathysciinae). *Mem. Biospeol*., 25: 107-110.

**Moldovan O.** (1997) *Drimeotus octaviani* (Coleoptera, Catopidae, Bathysciinae), nouvelle espece des Monts Pădurea Craiului (Transylvanie, Roumanie). *Mem. Biospeol*., 24: 169-174.

**Moldovan O.**, Juberthie C. (1997) Glandular exocrine fields in Bathysciinae (Coleoptera, Catopidae). *Mem. Biospeol*., 24: 175-180.

**Moldovan O.**, H. Alves, J.-M. Jallon (1996) Donnees preliminaires sur les hydrocarbures cuticulaires chez quelques especes de *Drimeotus* s. str. (Coleoptera, Bathysciinae). *Trav. Inst. Speol "E. Racovitza"*, 35:107-114.

Pleşa C., **Moldovan O**., Munteanu A. (1996) Apercu biospeologique sur la grotte de Vadu-Crişului (Monts de Pădurea Craiului, Roumanie). *Trav. Inst. Speol. "E. Racovitza"*, 35: 117-145.

**Moldovan O.** (1995) Une nouvelle espece de *Duvalius* (*Duvalidius*) (Coleoptera, Trechinae) du plateau nomme Podişul Someşan. *Mem. Biospeol*., 22: 145-146.

**Moldovan O.** (1995) Anoftalmia şi orientarea animalelor animalelor in lumea subterană (Animal orientation in the underground world). *Naturalia*, 1: 227-233.

**Moldovan O.**, C. Juberthie (1994) Etude comparee et ultrastructurale de la glande sternale de quelques coleopteres Bathysciinae (Coleoptera, Catopidae). *Mem. Biospeol*., 21: 97-101.

**Moldovan O.** (1989) Revision systematique de l'espece *Pholeuon* (s.str.) *angusticolle* (Coleoptera, Catopidae, Bathysciinae). *Trav. Inst. Speol. E. Racovitza*, 28: 29-41.

Books:

**Moldovan O.** (2003) *Adaptări structurale şi ultrastructurale la coleoptere subterane*. Ed. Casa Cărţii de Ştiinţă, Cluj, 115 pp. ISBN 973-686-518-5.

**Moldovan O.** (2002) *Coleopterele din peşteri*. Ed. Accent, Cluj-Napoca, 116 pp. ISBN 973-8445-11-6.

**Moldovan O.** (1997) *Reconnaissance des sexes et isolement reproductif chez les coleopteres Bathysciinae souterrains: approche taxonomique, biochimique et experimentale*, Teză de Doctorat, Universitatea „Paul Sabatier”, Toulouse, Franţa, 130 pp.

Edited volumes:

**Moldovan O.T**., Kovac L., Halse S. (2018) *Cave Ecology*. Springer International Publishing. 532 pp, ISBN 978-3-319-98852-8

**Moldovan O.**, M. Cimpean, D. Borda, S. Iepure, V. Ilie (2007) *Lista faunistică a României. Specii terestre şi de apă dulce*. Ed. CristalPrint, Cluj-Napoca, ISBN 978-973-133-130-0.

**Moldovan O.T.** (ed.) (2006) *Proceedings of the 18th International Symposium of Biospeleology, Cluj-Napoca.* Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 973-686-901-6.

Racoviţă E.G. (2006) *Essay on biospeological problems*, ediţie trilingvă (franceză-engleză- română), CasaCărţii de Ştiinţă, Cluj-Napoca, traducere Culver D.C., Moldovan O.T., Racoviţă G., 270 pp.

**Moldovan O.T.** (ed.) (2006) *Recomandări privind managementul şi monitorizarea peşterilor turistice*, Ed. Casa Cărţii de Ştiinţă, Cluj-Napoca, 131 pp., ISBN 973-686-831-1

Racoviţă G., **O. Moldovan**, B. Onac (eds.) (2002) *Monografia carstului din Munţii Pădurea Craiului*. 264 pp., Ed. Presa Universitară Clujeană, Cluj-Napoca. ISBN 973-610-101-0.

**Moldovan O.** (2003) (traducere şi adaptare după R. Tercafs) *Protecţia domeniului subteran*. Ed. Presa Universitară Clujeană, 280 pp. ISBN 973-610-146-0.

Chapters in books:

## Venarsky M, Niemiller ML, Fišer C, Saclier N, **Moldovan OT**. 2023. Life histories in groundwater organisms. In Groundwater Ecology and Evolution Second Edition (eds. F Malard, C. Griebler, S. Retaux). Academic Press, pp. 439-456.

**Moldovan O.T**., Năstase-Bucur, R. (2019) Cave Biology, p. 485-492. In: *Cave and Karst Systems of Romania* (Ponta, G.M.L. & Onac, B.P. *Eds*), 544 pp, Springer International Publishing, ISBN 978-3-319-90745-1.

**Moldovan O.T.** (2019) Cave Protection in Romania, p. 537-542. In: *Cave and Karst Systems of Romania* (Ponta, G.M.L. & Onac, B.P. *Eds*), Springer International Publishing, ISBN 978-3-319-90745-1.

**Moldovan O.T**., Kovac L., Halse S. (2018) Preamble. In: Moldovan O.T., Kovac L., Halse S. (eds) *Cave Ecology*. Springer International Publishing ISBN 978-3-319-98852-8

Howarth F.G., **Moldovan O.T. (**2018) Where Cave Animals Live. In: Moldovan O.T., Kovac L., Halse S. (eds) *Cave Ecology*. Springer International Publishing ISBN 978-3-319-98852-8

Howarth F.G., **Moldovan O.T. (**2018) *The Ecological Classification of Cave Animals and their Adaptations.* In: Moldovan O.T., Kovac L., Halse S. (eds) Cave Ecology. Springer International Publishing ISBN 978-3- 319-98852-8.

**Moldovan O.T.** 2018. Short Overview on the Aquatic Cave Fauna. In: Moldovan OT, Kovac L., Halse S. (eds) Cave Ecology. Springer International Publishing ISBN 978-3-319-98852-8

Milota, Şt., Gherase, M., Sarcina, L., Rodrigo, R., **Moldovan, O.**, Trinkaus, E., Constantin, S., Zilhao, J. (2013) Exploration and documentation of the Pestera cu Oase. In Life and Death at the Pestera cu Oase. A Setting for Modern Human Emergence in Europe (E. Trinkaus, S. Constantin, J. Zilhao, Eds.), pp. 9-19, ISBN: 978-0-19-539822-9, Oxford University Press.

**Moldovan O.** (2012) Beetles, in: Encyclopedia of Caves 2nd edition (Culver, D. & White, W.B., eds.), Elsevier Academic Press, NY, pp. 54-62, ISBN: 978-0-12-383832-2.

**Moldovan O.T.** (2008) Why so many Leptodirini (Coleoptera, Leiodidae) in Romania? Advances in Arachnology and Developmental Biology. Papers dedicated to Prof. Dr. Božidar Ćurčić. S. E. Makarov& R. N. Dimitrijević (Eds.) 2008. Inst. Zool., Belgrade; BAS, Sofia; Fac. Life Sci., Vienna; SASA, Belgrade& UNESCO MAB Serbia. Vienna — Belgrade — Sofia, Monographs, 12, 473-483, ISBN 978-86-7078-052-1

**Moldovan O. T.** (2008) Ecologie subterană. In: Petrescu-Mag I. V. (ed.), Ecologie aplicată. Ec. Academic Pres, Cluj-Napoca, ISBN 978-973-744-096-9

**Moldovan O.T.**, Goia I., Micu D. (2008) Alte habitate stâncoase. In: Gafta D. & Mountford, J. O. (ed.) Manual de interpretare a habitatelor Natura 2000 din Romania, Ed. Risoprint, pp. 63-64.

**Moldovan O.** (2007) Leptodirini. In: Moldovan O., M. Câmpean, D. Borda, S. Iepure, V. Ilie, Lista faunistică a României. Specii terestre şi de apă dulce. Ed. CristalPrint, Cluj-Napoca, ISBN 978- 973-133-130-0, pp.172-174.

Trinkaus E., Zilhao J., Rougier H., Rodrigo R., Milota S., Gherase M., Sarcina L., **Moldovan O.**, Baltean I., Codrea V., Bailey S.E., Franciscus R.G., Ponce de Leon M.; Zollikofer C.P.E. (2006) The Peştera cu Oase and early modern humans in southeastern Europe, in CONARD, N. J. (ed.) — When Neanderthals and Modern Humans Met, Tübingen, Kerns Verlag, pp. 145-164.

**Moldovan O. T.** (2006) Peşterile turistice. In: Moldovan O.T. (ed.) Recomandări privind managementul şi monitorizarea peşterilor turistice, Ed. Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 973-686-831-1, pp. 19-28.

**Moldovan O. T.**, Racoviţă G., Fekete A., Borda D., Iepure S. (2006) Preambul la deschiderea peşterilor pentru turism. In: Moldovan O.T. (ed.) Recomandări privind managementul şi monitorizarea peşterilor turistice, Ed. Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 973- 686-831-1, pp. 29-62.

**Moldovan O. T.** (2006) Managementul peşterilor turistice. In: Moldovan O.T. (ed.) Recomandări privind managementul şi monitorizarea peşterilor turistice, Ed. Casa Cărţii de Ştiinţă, Cluj- Napoca, ISBN 973-686-831-1, pp. 63-80.

Racoviţă G., **Moldovan O. T.**, Borda D., Fekete A., Iepure S. (2006) Monitorizarea peşterilor turistice. In: Moldovan O.T. (ed.) Recomandări privind managementul şi monitorizarea peşterilor turistice, Ed. Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 973-686-831-1, pp. 81- 110.

Racoviţă G., **Moldovan O. T.**, Borda D. (2006) Concluzii. In: Moldovan O.T. (ed.) Recomandări privind managementul şi monitorizarea peşterilor turistice, Ed. Casa Cărţii de Ştiinţă, Cluj-Napoca, ISBN 973-686-831-1 pp. 19-28.

**Moldovan O.** (2005) Accomplishments and gaps of the “Fauna Europaea” project in Romania, in: Bioplatform – Romanian National Platform for Biodiversity II. Inter-Institutional protocol for Biodiversity Research Development, S. Mihailescu (ed.), Ed. Academiei Romane, Bucureşti, pp. 122-126, ISBN 973-27-1211-2.

**Moldovan O.** (2005) Beetles, in: Encyclopedia of Caves (Culver, D. & White, W.B., eds.), Elsevier Academic Press, NY, pp. 45-51, ISBN: 0-12-406061-7.

Verbeek M., **Moldovan O.** (2004) Fauna Europaea in Romania, in: S. Mihailescu & M. Falca (eds.), Bioplatform – Romanian National Platform for Biodiversity I. Biodiversity Research Strategy. Ed. Vergiliu, Bucureşti, pp. 100-107, ISBN 973-85592-3-5.

**Moldovan O.** (2003) Anatomical (internal) modifications, in: Encyclopaedia of Caves and Karst Science (J. Gunn, ed.). Fitzroy Dearborn Publishers, London, p. 10-11, ISBN 1-57958-399-7.

**Moldovan O.** (2003) Biodiversiy in terrestrial habitats, in: Encyclopedia of Caves and Karst Science (J. Gunn, ed.). Fitzroy Dearborn Publishers, London, pp. 143-144, ISBN 1-57958-399-7.

**Moldovan O.** (2002) Un model pentru studiul speciaţiei: subgenul *Drimeotus* s. str., in: Gh. Racoviţă, O. Moldovan, B. Onac (eds.), Monografia carstului din Munţii Pădurea Craiului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pp. 165-170, ISBN 973-610-101-0.

**Moldovan O.** (2002) *Duvalius* – singurul gen de coleoptere carnivore subterane din Munţii Pădurea Craiului, in Monografia carstului din Munţii Pădurea Craiului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pp. 134-144, ISBN 973-610-101-0.

**Moldovan O.** (2002) Protecţia domeniului subteran, in: Gh. Racoviţă, O. Moldovan, B. Onac (eds.), Monografia carstului din Munţii Pădurea Craiului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pp. 228-238, ISBN 973-610-101-0.

Iepure S., **Moldovan O.** (2002) Fauna acvatică subterană. in: Gh. Racoviţă, O. Moldovan, B. Onac (eds.), Monografia carstului din Munţii Pădurea Craiului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pp. 117-123, ISBN 973-610-101-0.

**Moldovan O.**, Iepure S., Fekete A. (2001) Recent ecological research on groundwater in Transylvania (Romania), in: Groundwater Ecology, C. Griebler, D.L. Danielopol, J. Gibert, H.P. Nachtnebel, J. Notenboom (eds.), European Commission, Luxembourg, pp. 335-342, ISBN 92-894-1639-4.

**Moldovan O.** (1996), What can Cave Beetles tell us about the Climate? in: Mylroie J. & S.-E. Lauritzen (eds.), Climate Change: The Karst Record, Karst Waters Institute Special Publications, West Virginia, SUA, 2: 110-112, ISBN 0-9640258-1-7.

Proceedings/extended abstracts:

Webb D., Robu M., **Moldovan O.** (2013) [Ancient footprints in Ciur-Izbuc Cave, Romania:](http://apps.webofknowledge.com.ux4ll8xu6v.useaccesscontrol.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=3CUpJrDFSZZjlUmWe1g&page=2&doc=20) [Preservation and](http://apps.webofknowledge.com.ux4ll8xu6v.useaccesscontrol.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=3CUpJrDFSZZjlUmWe1g&page=2&doc=20) re-analysis. American Journal of Physical Anthropology, 150: 286-287.

**Moldovan O.** (2012) Invertebrate fossils found in cave sediments as proxies for Pliocene/Pleistocene paleoenvironment. Quaternary International, 279–280: 332.

**Moldovan O.** (2008) Directii noi de cercetare intr-un domeniu interdisciplinar: biospeologia. Lucrarile Seminarului "Tiberiu Popoviciu" de Ecuatii Functionale, Aproximare si Convexitate, Cercetari interdisciplinare 24 -27 septembrie 2008, Cluj-Napoca, pp. 107-108.

**Moldovan O.,** Iepure S., Perşoiu A. (2005) Biodiversity and protection of Romanian karst areas: the example of interstitial fauna, in: Stevanovic Z. & Milanovic P. (eds.), Water Resources & Environmental Problems in Karst (Proc. International Conference & Field Seminar, Beograd & Kotor, 13-19 sept. 2005), pp. 831-836, ISBN 86-7352-144-0.

Bucur R., **Moldovan O.** (2003) Morphological and genetical comparative analysis of *Drimeotus* s. str. (Coleoptera, Leptodirinae), in: Moldovan O.T. & Iepure S. (eds.), Proc. Workshop on Subsurface Organisms, Băile Felix, 30 martie – 1 aprilie 2003, pp. 9-14.

Boeraş I., Drăgan-Bularda M., **Moldovan O.** (2003) Preliminary researches on cave microorganisms from moonmilk, in: Moldovan O.T. & Iepure S. (eds.) Proc. Workshop on Subsurface Organisms, Băile Felix,30 martie – 1 aprilie 2003, pp. 47-49.

**Moldovan O.** (2001) Study of hypogean beetles (Coleoptera: Leptodirinae): history, current status and contribution to biospeleology, in: Trajano E. & Pinto-da-Rocha R. (eds.), Proc. XVth Internat. Symp. Biospeleology, iulie 2001, Sao Paulo, Brazilia, pp. 8-14.

**Moldovan O.** (1997) The chemical communication in the underground Bathysciinae beetles (Insecta, Coleoptera), in: P.-Y. Jeannin (ed.), Proc. 12th Internat. Congr. Speleol., vol. 3. Biospeleology, pp. 319-320, ISBN 2-88374-008-9.

**Projects/Grants**

Project Coordinator (Romanian):

Chemical-mineralogical analyzes of the deposition on the concrete of the main adduction Drăgan-Remeţi, ISPH contract Bucharest, 1998

Impact of organic pollutants in surface waters on groundwater aquatic fauna in the Crisului Repede and the lower Someş basins, ANSTI grant, 2000-2001

Study of the bacterial flora on the upstream facing of the Dragan dam, ISCE Bucharest contract, 2000-2001

Outstanding structures and ultrastructures in invertebrates as adaptation to environmental conditions, CNCSIS grant, 2002-2003, CNCSIS 1166

Preparation of the guide for the management of protected caves and the monitoring protocol for tourist caves in Romania, contract European Environmental Association, 2004

The use of endemic species in historical biogeography and the delimitation of karst protection areas in the Western Carpathians, GAR 81, 2007-2008

Complex modeling of pollutant transfer in the epikarstic ecotone area, CNCSIS IDEI 1150, 2007-2010

Modeling the impact of heavy metals on aquifers through the complex study of groundwater aquatic fauna and monitoring in GRID system, UEFISCSU, grant 31\_032 Partnerships, 2007-2010

Fauna in cave percolation water as an indicator of surface pollution, Romanian-Slovenian bilateral collaboration project, ANCS, gr 72, 2008-2009

Climate archives in karst - an integrated approach for the study of rapid climate oscillations, CNCSIS, Complex Ideas, 2010-2013, subproject coordinator

Monitoring the anthropic impact in tourist caves - pilot project on monitoring protocols and remediation techniques in tourist caves in Romania, EEA-JRP-RO-NO-2013-1, 2014-2017, subproject coordinator

Food chains in the dark; diversity and evolutionary processes in caves (DARKFOOD), UEFISCDI PCCF16, 2018-2022

Services for elaboration of studies in the field of environment necessary for the management plan within the project "Development of tools for adaptive management of natural capital in protected areas Apuseni Natural Park, ROSC / 0002 Apuseni, ROSPA0081 Apuseni Mountains - Vladeasa and ROSCJ00J6 Buteasa", project code SMJS 122643 Contract No. 489/2021, 2021-2023

Project Coordinator (International):

Monitoring and risk assessment for groundwater sources in rural communities of Romania (GROUNDWATERISK), European Financial Mechanism 2014-2021, 2019-2023

European Science Foundation Exploratory Workshop EW05-073 on „Effectiveness and gaps in the European legislation concerning subterranean fauna protection and the importance of setting up a European network of protected caves”, 2006

Wenner-Gren Foundation, SUA, nr. 7111/2003: Paleoanthropological Documentation of the Pestera cu Oase, Romania, 2004-2005

FP5 Program: Fauna Europaea EVR1-CT-1999-20001 FAUNA, coordinator for Romania, 2002-2004

Project Collaborator (Romanian)

Ecological research on the underground aquatic fauna from the Someşul Cald basin (Apuseni Mountains), MEC grant, 1998-1999

Preliminary geological and hydrological research on the hydrokarstic system of Pişniţa Cave (com. Aştileu, jud. Bihor), contract Aştileu City Hall, 1999

Vulnerability of endemic species and rare underground terrestrial and aquatic species in the Apuseni Mountains National Park, ANSTI grant, 2000-2001

Vulnerability of underground fauna in tourist caves in Romania, CNCSIS grant, 2003-2005

The role of the Carpathian range in controlling past climate changes during Quaternary - a multi-proxy, speleothem-based, approach, UEFISCDI, grant PCE 197/2016, 2016-2018

Project Collaborator (international)

Karst climate archives (KARSTHIVES), European Financial Mechanism 2014-2021, 2019-2023

EU Phare EuropeAid/12/12160/D/SV/RO: Implementation of NATURA 2000 Network in Romania,

collaborator/expert, 2007-2008

LIFE Project: Combined actions for the protection and valuation of the natural heritage of the Apuseni Mountains, 2000-2002.