



Curriculum vitae

Name Brad, Traian
Address Emil Racoviță Institute of Speleology
Clinicilor 5-7, 400006 Cluj-Napoca, Romania
Telephone +40748124453
e-mail traian.brad@acad-cj.ro
Date/place of birth May 10, 1977, Alba Iulia, Romania



Work experience

Dates December 01, 2000 - present
Occupation or position held Senior Researcher II
Main activities and responsibilities Research and administrative activities
Name and address of employer Romanian Academy, Emil Racoviță Institute of Speleology
Clinicilor 5, 400006 Cluj-Napoca, Romania
Type of business or sector Scientific research institution

Dates October 15, 2001 - January 01, 2006
Occupation or position held Scientific researcher / PhD student
Main activities and responsibilities Research and (periodically) administrative activities
Name and address of employer Free University Amsterdam
De Boelelaan 1085, 1081HV Amsterdam, The Netherlands
Type of business or sector Education and scientific research institution

Education and training

Dates September 01, 2011 - February 28, 2013
Title of qualification awarded Postdoctoral researcher
Principal subjects/ skills covered Microbial ecology, microbiology, genetics, biochemistry, cell physiology, statistics
Name and type of organization providing education and training Faculty of Biology and Geology, "Babes-Bolyai" University, Cluj-Napoca, Romania
Education and scientific research institution

Dates October 15, 2001 - January 01, 2006
Title of qualification awarded PhD in Biology, Microbial Ecology
Principal subjects/ skills covered Microbial ecology, microbiology, molecular biology, genetics, biochemistry, cell physiology, statistics
Name and type of organisation providing education and training Free University Amsterdam, Amsterdam, The Netherlands
Education and scientific research institution

Dates October 01, 1999 - February 28, 2001
Title of qualification awarded MSc in System Ecology and Conservation of Biodiversity
Principal subjects/ skills covered Ecosystem ecology, population ecology, ecosystem functioning, productivity of ecological systems, statistics, ecotoxicology
Name and type of organisation providing education and training Faculty of Biology and Geology, "Babes-Bolyai" University, Cluj-Napoca, Romania / Education and scientific research institution

Dates October 01, 1995 - July 01, 1999
Title of qualification awarded BSc in Biology - Ecology and Protection of Environment
Principal subjects/ skills covered Botany, zoology, human anatomy, biophysics, biochemistry, statistics, ecology, genetics, microbiology, ecotoxicology
Name and type of organisation providing education and training Faculty of Biology and Geology, "Babes-Bolyai" University, Cluj-Napoca, Romania / Education and scientific research institution

Research experience

Period	Scientific research projects
2024-2026	Biodiversa+ Grant DarCo: <i>The vertical dimension of conservation: A cost-effective plan to incorporate subterranean ecosystems in post-2020 biodiversity and climate change agendas</i> , Director: Stefano Mammola, Responsible in consortium Dr. Traian Brad
2021-2023	PN-III-P4-ID-PCE-2020-2843, <i>Convergent evolution, development and adaptations of crustaceans from chemosynthesis-based cave ecosystems (EVO-DEVO-CAVE)</i> , Director Dr. Sanda Iepure
2021-2023	<u>Proiect</u> <i>Elaborarea instrumentelor pentru managementul adaptativ al capitalului natural din ariile protejate Parcul Natural Apuseni, ROSCIO002 Apuseni, ROSPA0081 Munții Apuseni – Vlădeasa și ROSCIO016 Buteasa</i> , POIM122643; <u>Contract</u> <i>Servicii de elaborare a studiilor în domeniul mediului necesare în vederea realizării planului de management în cadrul proiectului „Elaborarea instrumentelor pentru managementul adaptativ al capitalului natural din ariile protejate Parcul Natural Apuseni, ROSCIO002 Apuseni, ROSPA0081 Munții Apuseni – Vlădeasa și ROSCIO016 Buteasa”, proiect cod SMIS 122643 (cod contract C5)</i>
2019 - 2023	EEA-RO-NO-2018-0138 <i>Monitoring and risk assessment for groundwater sources in rural communities of Romania</i> , Director Dr. Oana Moldovan
2018 - 2022	PN-III-P4-ID-PCCF2016-0016 <i>Food chains in the dark: diversity and evolutionary processes in caves</i> , Director Dr. Oana Moldovan
2018 - 2021	IAEA Project 22848/Ro. <i>Isotope Techniques for the Evaluation of Water Sources for Domestic Supply in Urban Areas (F33024). Isotope Hydrology of the Drinking Water Supply System of Cluj-Napoca (NW Romania)</i> , Director Traian Brad.
2018-2019	Contract 930/2018 - 2019 <i>Elaborarea planului de management pentru ROSCIO373 Râul Mureș între Brănișca și Ilia și a planului de management pentru ROSPA0132 Munții Metaliferi și ariile naturale protejate conexe</i> , Director Dr. Silviu Constantin
Nov 2015 - Sep 2017	PN-II-RU-TE-2014-4-2490 - <i>The impact of soil fertilization on the structure and activity of biotic communities, soil levigation and releasing of greenhouse gases in conditions of hydric stress</i> , Director Dr. Mignon Sandor, Universitatea de Stiinte Agricole si Medicina Veterinara, Cluj-Napoca
2011 - 2016	PN-II-ID-PCE-2011-3-0742 - <i>Biodiversity and chronological distribution of microorganisms in perennial ice deposits from Scarisoara Ice Cave (Romania)</i> , Director Dr. Cristina Purcărea, Institute of Biology, Bucharest
Sept 2011 - Feb 2013	POSDRU/89/1.5/S/60189 <i>Biotechnologies with industrial and medical applications, Project Biotechnologies with applications in conservation of nature resources. Microbial biodegradation of groundwater pollutants.</i>
2007 - 2010	<i>Modelarea impactului metalelor grele asupra acviferelor prin studiul complex al faunei acvatice subterane și monitorizare în sistem GRID, MODEL ACVASUB.</i> Director: Oana Moldovan, Emil Racovita Institute of Speleology, Cluj-Napoca
2007 - 2010	IDEI_1150 <i>Modelarea complexă a transferului poluanților în zona de ecoton epicarstică.</i> Director: Oana Moldovan, Emil Racovita Institute of Speleology, Cluj-Napoca
2001 - 2005	TRIAS-NWO 00-28 <i>Resilience of the groundwater ecosystem in reaction to anthropogenic disturbances.</i> Director: Prof. Dr. Nico M. van Straalen and Dr. Henk W. Van Verseveld, Free University Amsterdam, The Netherlands

Personal skills and competences

Mother tongue	Romanian		
Other languages	<i>Understanding</i>	<i>Speaking</i>	<i>Writing</i>
English	C2 - Proficient user	C2 - Proficient user	C2 - Proficient user
French	B2 - Independent user	B1 - Independent user	B1 - Independent user

Technical skills and competences

Molecular (microbio)ecology genetics

- environmental DNA isolation
- PCR of 16S rRNA, 18S rRNA and functional genes
- Crustacean DNA Barcoding techniques based on amplification and sequencing of genes coding for cytochrome oxidase subunit I (CO I) and 28S rRNA
- Most probable number (MPN) PCR
- 16S rRNA and 18S rRNA-based Denaturing Gradient Gel Electrophoresis (DGGE)
- Amplified Ribosomal DNA Restriction Analysis (ARDRA)
- gel analysis, DNA sequencing, Next Generation Sequencing, generation and analysis of clone libraries, phylogenetic and statistical analysis

General environmental microbiology

- isolation and conventional identification of various microorganisms
- anaerobic techniques
- batch cultivation
- BIOLOG-Ecoplate physiological profiling
- Coulter Counter analysis
- culture-dependent MPN estimation
- environmental enzymology
- bacteriological/coliform analysis of (ground)water

Groundwater ecology

- sampling of various groundwater environments (e.g., groundwater in caves, springs, wells, rivers hyporheic)
- conventional identification of different groups and species of groundwater invertebrates
- physico-chemical measurements and chemical analysis on groundwater samples

Computer skills and competences

Science-related computer skills - bioinformatics and biostatistics: Phylogenetic analysis (Chromas, Fasta-searches, ClustalW, Phylip, Treecon, BioEdit, MEGA11, Sequencher), quantitative gel analysis (GelCompar), statistical analyses (SPSS-Systat, Statistica, Excel, Past)

Teaching experience

Undergraduate teaching in Microbiology, Cytology and Biospeleology
Faculty of Biology and Geology
Babes-Bolyai University Cluj-Napoca, Romania

Microbiology course
Universitatea de Vest "Vasile Goldis" din Arad
Facultatea de stiinte ale mediului, inginerie si informatica
Program de specializare a resurselor umane din domeniile biomedical si biotehnologic
POSDRU/81/3.2/S/55362

Cooperation

- Université Libre de Bruxelles, Département de Biologie des Organismes, Unité de recherche Evolutionary Biology and Ecology
- Department of Experimental Biology, Faculty of Biology and Geology, Babes-Bolyai University Cluj-Napoca, Romania
- Facultatea de Știința și Ingineria Mediului, Babes-Bolyai University Cluj-Napoca, Romania
- Electron Microscopy Center, Babes-Bolyai University Cluj-Napoca, Romania
- Department of Molecular Cell Physiology, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, The Netherlands
- Department of Hydrology and Geo-Environmental Sciences, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, The Netherlands

- Department of Animal Ecology, Faculty of Earth and Life Sciences, Vrije Universiteit Amsterdam, The Netherlands
- Royal Belgian Institute of Natural Sciences, Brussels, Belgium
- Museo Nacional de Ciencias Naturales, Madrid Spain
- Academy of Sciences, Biology Centre, Institute of Soil Biology, České Budějovice, Czech Republic

Research internships and qualifications

April 01-30, 2012

Department of Neuroscience, Physiology and Pharmacology, University College London (UCL), United Kingdom. *Molecular biology techniques*

October 18-24, 2009

Department of Biology (Group for Zoology and Speleobiology, University of Ljubljana, Biotechnical Faculty), Grant EDIT (European Distributed Institute of Taxonomy): *Systematics of freshwater subterranean Malacostraca: morphology, molecular systematics, and web-taxonomy*

November 02-15, 2008

Museo Nacional de Ciencias Naturales, Madrid, Spain. SYNTHESIS project: *Bathynellacea - a fairly unknown group of groundwater Crustacea in Romania. Species inventory, species biogeography, relation to European relative species*

June 15 - September 01, 2008

Département de Biologie, Université du Québec à Rimouski (UQAR), Canada. *DNA Barcoding Technique. Sampling of marine crustaceans along the shores of Québec (incl. Îles-de-la-Madeleine), New Brunswick, Nova Scotia and Prince Edward Island*

December 12, 2007

SENSE Certificate, The Netherlands. Netherlands Research School for the Socio-Economic and Natural Sciences of the Environment

June 01 - September 01, 2007

Département de Biologie, Université du Québec à Rimouski (UQAR), Canada. *DNA Barcoding Technique. Sampling of marine crustaceans along the shores of Québec, New Brunswick and Nova Scotia*

June 27 - July 2, 2006

Marie Curie Scholarship for participating to 14th International Karstological School Classical Karst - *Sustainable Management of Natural and Environmental Resources on Karst*, Postojna, Slovenia

July 22-26, 2002

Royal Belgian Institute of Natural Sciences, Brussels, Belgium. *Techniques used in the identification of copepods (Crustacea, Copepoda) on basis of morphological characters*

Editorial experience

Subject Editor of Subterranean Biology

<https://subtbiol.pensoft.net>

Guest Editor of Special Issue Assessing and Conserving Groundwater Ecosystem and Biodiversity: Current Status and Potential Risks, Water, MDPI

https://www.mdpi.com/journal/water/special_issues/groundwater_ecosystem_biodiversity

Guest Editor of Special Issue Cave Biodiversity and Conservation, Diversity, MDPI

https://www.mdpi.com/journal/diversity/special_issues/cave_diversity

(Former) Topic Editor of Spatial and Functional Ecology in Freshwater Ecosystems, Frontiers

<https://www.frontiersin.org/research-topics/30365/spatial-and-functional-ecology-in-freshwater-ecosystems>

Topical Advisory Panel member of Water, MDPI

https://www.mdpi.com/journal/water/topical_advisory_panel

Membership

Scientific Committee of 26th International Conference on Subterranean Biology
September 9-14, 2024
<https://www.abcdarkworld.com/icsb-conference/committee/>

President of International Society for Subterranean Biology, since September 14, 2024
<https://www.sibios-issb.org/index.php/council/>

Scientific Committee of International Congress of Zoology (CZGA)
November 6-9, 2024
<https://zoologycon.ro/ro/comitetul-stiintific/>

Membriu în Comisia Patrimoniului Speologic (Ministerul Mediului, Apelor și Pădurilor)
<https://mmediu.ro/domenii/mediu/comisia-patrimoniului-speologic/>

Scientific publications

Peer-reviewed articles

1. Nicolosi G., Bellvert A., Amorim I.R., Balázs G., Biró A., Borges P.A.V., Brad T., Cancellario T., Cardoso P., Cresi L., Crespo L.C., Čukušić A., Čupić I., Delić T., Front S., García-Villarín A., Geci D., Hesselberg T., Kocot-Zalewska J., Kozel P., Lips J., Macías-Hernández N., Novak T., Oromí P., Pantini P., Paragamian K., Paragkamian S., Patiño-Sauma D., Pischiutta N., Pušnar Ž., Rezac M., Ribera C., Rodrigues A., Rožman T., Sivec I., Štangelj M., Tolić K., Zagmajster M., Pavlek M., Mammola S. (2024). An open occurrence dataset for European subterranean spiders. *EcoEvoRxiv*. <https://doi.org/10.32942/X2MQoF>
2. Urák I, Vrenozi B, Głabiak Z, Lecoquierre N, Eiberger C, Maraun M, Ștefan A, Flot J-F, Brad T, Dainelli L, Sarbu SM, Băncilă RI (2025) An extraordinary colonial spider community in Sulfur Cave (Albania/Greece) sustained by chemoautotrophy. *Subterranean Biology* 53: 155-177. <https://doi.org/10.3897/subtbiol.53.162344>
3. Weber D, Brad T and Weigand AM, 2025, Water diviners described: six new species of the *Niphargus aquilex* (Crustacea, Amphipoda) complex. *European Journal of Taxonomy*, 1011(1), 1-79. <https://doi.org/10.5852/ejt.2025.1011.3023>
4. Mori, N., Vehovar, Ž., Brad, T., Balázs, G., Englisch, C., Fišer, C., Gaviria, S., Gottstein, S., Griebler, C., Kenesz, M., Knight, L.R.F.D., Malard, F., Mammola, S., Marmonier, P., Martínez, A. and Zagmajster, M. (2025), A Comprehensive Occurrence Dataset for European Ostracoda Inhabiting Groundwater and Groundwater-Dependent Ecosystems. *Global Ecol Biogeogr*, 34: e70065. <https://doi.org/10.1111/geb.70065> Q1
5. Di Lorenzo T, Lunghi E, Aanei C, Altermatt F, Alther R, Amorim IR, Băncilă RI, Bellvert A, Blomberg A, Borges PAV, Brad T, Brancelj A, Brankovits D, Cardoso P, Cerasoli F, Chauveau CA, Crespo L, Csader M, Delić T, Di Cicco M, Douady CJ, Duchemin L, Faille A, Fiasca B, Fišer C, Flot J-F, Gabriel R, Galassi DMP, Garzoli L, Griebler C, Karwautz C, Kenesz MI, Konecny-Dupré L, Lilley T, Malard F, Martínez A, Meierhofer MB, Messana G, Millán A, Mizerakis V, Mori N, Nanni V, Nicolosi G, Oromí P, Pallarés S, Pereira F, Reboleira ASPs, Saccò M, Salussolia A, Sánchez-Fernández D, Sarbu SM, Ștefan A, Stoch F, Tabilio Di Camillo A, Taiti S, Vaccarelli I, Valanne V, Zagmajster M, Zakšek V, Zित्रa C, and Mammola S, 2024, EU needs groundwater ecosystems guidelines, *Science*, Vol 386, Issue 6726, p. 1103, DOI: 10.1126/science.ads8140
6. Mammola, S., Aanei, C., Altermatt, F., Alther, R., Amorim, I. R., Băncilă, R. I., Bellvert, A., Blomberg, A., Borges, P. A. V., Brad, T., Brancelj, A., Brankovits, D., Cardoso, P., Cerasoli, F., Chauveau, C. A., Crespo, L., Csader, M., Delić, T., Di Cicco, M., Di Lorenzo, T., Douady, C. J., Duchemin, L., Faille, A., Fiasca, B., Fišer, C., Flot, J.-F., Gabriel, R., Galassi, D. M. P., Garzoli, L., Griebler, C., Karwautz, C., Kenesz, K., Konecny-Dupré, L., Lilley, T., Malard, F., Martínez, A., Meierhofer, M. B., Messana, G., Millán, A., Mizerakis, V., Mori, N., Nanni, V., Nicolosi, G., Ogorelec, Z., Oromí, P., Pallarés, S., Pereira, F., Reboleira, A. S. P. S., Saccò, M., Salussolia, A., Sánchez-Fernández, D., Sarbu, S. M., Ștefan, A., Stoch, F., Tabilio Di Camillo, A., Taiti, S., Vaccarelli, I., Valanne, V., Zagmajster, M., Zakšek, V., Zित्रa, C., 2024, *The DarCo project: A cost-effective plan to incorporate subterranean ecosystems in post-2020 biodiversity and climate change agendas*. Retrieved from University of Teramo Research Repository: <https://hdl.handle.net/11575/153600>

7. Ștefan, A.; Brad, T.; Băncilă, R.I.; Nițescu, R.; Dainelli, L.; Sarbu, S. Sulfidic caves in South-East Albania—a new hotspot of subterranean biodiversity, 2024, in Proceedings of the 3rd International Electronic Conference on Diversity, 15–17 October 2024, MDPI: Basel, Switzerland
8. Sarbu SM, Brad T, Băncilă RI, Ștefan A. Exploring biodiversity and food webs in Sulfur Cave in the Vromoner Canyon on the Greek–Albanian border. *Diversity*. 2024; 16(8):477. <https://doi.org/10.3390/d16080477>
9. Feher R, Bădăluță C-A, Brad T, Drăgan C, Drăgușin V, Măntoiu DȘ, Perșoiu A, Tîrlă M-L. 2024, *Stable Isotope Hydrology of Karst Groundwaters in Romania*. *Water*, 16(11):1489. <https://doi.org/10.3390/w16111489>
10. Mammola S., Altermatt F., Alther R., Amorim I.R., Băncilă R.I., Borges P.A.V., Brad T., Brankovits D., Cardoso P., Cerasoli F., Chauveau C.A., Delić T., Di Lorenzo T., Faille A., Fišer C., Flot J.-F., Gabriel R., Galassi D.M.P., Garzoli L., Griebler C., Konecny-Dupré L., Martínez A., Mori N., Nanni V, Ogorelec Ž., Pallarés S., Salussolia A., Saccò M, Stoch F., Vaccarelli L., Zagmajster M., Zित्रa C., Meierhofer M.B., Sánchez-Fernández D. and Malard F., 2024, *Perspectives and pitfalls in preserving subterranean biodiversity through protected areas*. *NPJ Biodiversity* 3, 2. <https://doi.org/10.1038/s44185-023-00035-1>
11. Saccò M., Mammola S., Altermatt F., Alther R., Bolpagni R., Brancelj A., Brankovits D., Fišer C., Gerovasileiou V., Griebler C., Guareschi S., Hose G. C., Korbel K., Lictévout E., Malard F., Martínez A., Niemiller M. L., Robertson A., Tanalgo K. C., Bichuette M. E., Borko Š., Brad T., Campbell M. A., Cardoso P., Celico F., Cooper S. J. B., Culver D., Di Lorenzo T., Galassi D. M. P., Guzik M. T., Hartland A., Humphreys W. F., Ferreira R. L., Lunghi E., Nizzoli D., Perina G., Raghavan R., Richards Z., Reboleira A. S. P. S., Rohde M. M., Fernández D. S., Schmidt S. I., van der Heyde M., Weaver L., White N. E., Zagmajster M., Hogg I., Ruhi A., Gagnon M. M., Allentoft M. E., Reinecke R., 2023, Groundwater is a hidden global keystone ecosystem. *Global Change Biology*, 30, e17066. <https://doi.org/10.1111/gcb.17066>
12. Weber D, Brad T. 2023. *Niphargus carolinensis* sp. nov. (Amphipoda: Niphargidae), an Endemic Species in the Northern Distribution Area of the Genus. *Hydrobiology*, 2(4):554-574. <https://doi.org/10.3390/hydrobiology2040037>
13. Malek-Hosseini, M. J., Brad, T., Fatemi, Y., Kuntner, M., & Fišer, C., 2023, *A new cave-dwelling hadzioid amphipod (Senticaudata, Hadziioidea, Melitidae) from sulfidic groundwaters in Iran*. *Contributions to Zoology*. <https://doi.org/10.1163/18759866-bja10054> IF 2.75
14. Aerts JW, Sarbu SM, Brad T, Ehrenfreund P, Westerhoff HV. 2023, *Microbial Ecosystems in Movile Cave: An Environment of Extreme Life*. *Life*. 2023; 13(11):2120. <https://doi.org/10.3390/life13112120> IF 3.2
15. Szekeres E, Baricz A, Cristea A, Levei EA, Stupar Z, Brad T, Kenezs M, Moldovan OT, Banciu HL. Karst spring microbiome: Diversity, core taxa, and community response to pathogens and antibiotic resistance gene contamination. *Sci Total Environ*. 2023 Oct 15;895:165133. doi: 10.1016/j.scitotenv.2023.165133. Epub 2023 Jun 24. PMID: 37364839., IF 10.753
16. Bizic M, Brad T, Ionescu D, Barbu-Tudoran L, Zoccarato L, Aerts JW, Contarini PE, Gros O, Volland JM, Popa R, Ody J, Vellone D, Flot JF, Tighe S, Sarbu SM. 2022. *Cave Thiovulum (Candidatus Thiovulum stygium) differs metabolically and genomically from marine species*. *ISME J*. 2022 Dec 17. doi: 10.1038/s41396-022-01350-4, IF 13.214
17. Brad, T.; Bizic, M.; Ionescu, D.; Chiriac, C.M.; Kenezs, M.; Roba, C.; Ionescu, A.; Fekete, A.; Mirea, I.C.; Moldovan, O.T. 2022, *Potential for Natural Attenuation of Domestic and Agricultural Pollution in Karst Groundwater Environments*. *Water* 2022, 14, 1597. <https://doi.org/10.3390/w14101597>
18. Sarbu, S.; Brad, T.; Chauveau, C.; Flot, J.; Galdenzi, S.; Galassi, D.; Gentile, G.; Iepure, S.; Jones, D.; Martin, P.; Montanari, A.; Stoch, F. 2022. *Biodiversity in the Sulfidic Sections of the Frasassi Caves, Italy*, in Proceedings of the 2nd International Electronic Conference on Diversity (IECD 2022)—New Insights into the Biodiversity of Plants, Animals and Microbes, 15–31 March 2022, MDPI: Basel, Switzerland, doi:10.3390/IECD2022-12384

19. Weber D., Brad T., Stoch F., Flot J.-F., 2021, *Rediscovery and redescription of Niphargus enslini Karaman, 1932 (Amphipoda, Niphargidae) in southern Germany*, *Subterranean Biology*, 40:65-89, <https://doi.org/10.3897/subtbiol.40.73017>
20. Hoaghia, M.-A.; Moldovan, A.; Kovacs, E.; Mirea, I.C.; Kenesz, M.; Brad, T.; Cadar, O.; Micle, V.; Levei, E.A.; Moldovan, O.T., 2021, *Water quality and hydrogeochemical characteristics of some karst water sources in Apuseni Mountains, Romania*. *Water* 2021, 13, 857. <https://doi.org/10.3390/w13060857>
21. Brad T., Iepure S., Sarbu S. M., 2021, *The chemoautotrophically based Movile Cave groundwater ecosystem, a hotspot of subterranean biodiversity*, *Diversity* 2021, 13(3), 128; <https://doi.org/10.3390/d13030128>
22. Moldovan OT, Baricz, A., Szekeres, E., Kenesz, M., Hoaghia, M.A., Levei, E.A., Mirea, I.C., Năstase-Bucur, R., Brad, T., Chiciudean, L., Banciu, H.L., 2020, *Testing different membrane filters for 16s rRNA gene-based metabarcoding in karstic springs*, *Water*, 12 (12), art. no. 3400
23. 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. <https://doi.org/10.3897/BDJ.8.e53571>
24. Borko Š., Collette M., Brad T., Zakšek V., Flot J.-F., Vaxevanopoulos M., Sarbu S. M. and Fišer C., 2019, *Amphipods in a Greek cave with sulphidic and non-sulphidic water: phylogenetically clustered and ecologically divergent*, *Systematics and Biodiversity*, DOI: 10.1080/14772000.2019.1670273
25. Moldovan O. T. and 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, *Int. J. Speleol.*, 48 (1): 107-109, <https://doi.org/10.5038/1827-806X.48.1.2241>
26. Brad T., Iteus C., Pascu M.-D., Persoiu A., Hillebrand-Voiculescu A. M., Iancu L. and Purcarea C., 2018, *Fungi in perennial ice from Scarisoara Ice Cave (Romania)*, *Scientific Reports*, 8:10096 | DOI:10.1038/s41598-018-28401-1
27. Iteus C., Pascu M.-D., Brad T., Persoiu A. and Purcarea C., 2016, *Diversity of cultured bacteria from the perennial ice block of Scarisoara Ice Cave, Romania*, *International Journal of Speleology* 45: 89-100, <http://dx.doi.org/10.5038/1827-806X.45.1.1948>, ISI 1.656
28. 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* 164: 1-28, ISI 1.312, <http://dx.doi.org/10.5852/ejt.2015.164>
29. Brad, T., Fekete, A., Șandor, M., S., and Purcărea, C., 2015, *Natural attenuation potential of selected hydrokarst systems in Carpathian Mountains (Romania)*, *Water Science and Technology – Water Supply*, Vol. 15, No. 1, pp. 196-206, DOI: 10.2166/ws.2014.092 IF: 0.505
30. Hillebrand-Voiculescu, A. M., Iteus, C., Ardelean, I., Pascu, M., D., Persoiu, A., Rusu, A., Brad, T., Popa, E., Onac, B., P., and Purcarea, C., 2014, *Searching for cold-adapted microorganisms in the underground glacier of Scarisoara Ice Cave, Romania*, *Acta Carsologica*, 43/2-3, p. 319-329, <https://doi.org/10.3986/ac.v43i2-3.604>
31. Flot, J.-F., Bauermeister, J., Brad, T., Fišer, C., Hillebrand, A., Sarbu, S., M., and Dattagupta, S., 2014, *The Niphargus-Thiothrix associations may be widespread in sulfidic groundwater ecosystems: evidence from southeastern Romania*, *Molecular Ecology*, Vol. 23, Issue 6, pp. 1405-1417, doi: 10.1111/mec.12462, ISI 6.275
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33. Brad, T., C. Oberfell, B. M. van Breukelen, N. M. van Straalen, and W. F. M. Röling, 2013, *Spatiotemporal variations in microbial communities in a landfill leachate plume*, *Groundwater Monitoring and Remediation*, 33, 4, p. 69-78, ISI 1.053, <https://doi.org/10.1111/gwmmr.12022>
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