

CURRICULUM VITAE

Serban M. Sarbu

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EDUCATION

- 1997-1998 NSF-NATO Postdoctoral Fellowship, Sulfur-based underground ecosystems
- 1996 PhD in Biological Sciences, Ecology and Evolutionary Biology, University of Cincinnati, USA
- 1994 Master in Science, Groundwater Ecology, University of Cincinnati, USA
- 1979 Bachelor of Science, Biology, "Al. I. Cuza" University, Iasi, Romania

AWARDS

- 1996 Fulbright International Research Award
- 1995 IREX International Individual Research Award
- 1993 "Ralph Stone" Award of the National Speleological Society
- 1990 "Emil Racovitza" Award of the Romanian Academy of Sciences

APPOINTMENTS

- 2016-present Adjunct Faculty, Department of Biology, Chico State University, USA
- 2016-present Associate Researcher, "Emil Racovitza" Speleological Institute, Romania
- 1997-2002 Dean of Science, Ross Institute, East Hampton, New York
- 1996-2005 Visiting Scientist, Department of Biological Sciences, University of Cincinnati, USA
- 1990-2000 Director of Research, GESS-Lab, Mangalia, Romania
- 1989-1996 Graduate teaching and research assistant, University of Cincinnati, USA
- 1981-1987 Research Associate, Group for Underwater Cave Exploration, Bucharest, Romania
- 1979-1987 Science teacher (Biology), Goethe Gymnasium, Bucharest, Romania

BOOKS

- 1987 Lascu, C. and S.M. Sarbu, Pesteri Scufundate (Underwater Caves), Edit. Academiei, Bucharest, Romania.

PUBLICATIONS

- 2018 Nae, A., S.M. Sarbu and I. Weiss, *Kryptonesticus georgescuae* spec. nov. from Movile Cave, Romania (Araneae: Nesticidae), *Arachnologisches Mitteilungen*, 55:22-24.
- 2017 Stocchino, G.A., Sluys R., Kawakatsu M., S.M. and R. Manconi, A new species of freshwater flatworm (Platyhelminthes, Tricladida, Dendrocoelidae) inhabiting a chemoautotrophic groundwater ecosystem in Romania. *European Journal of Taxonomy*, 342:1–21. <https://doi.org/10.5852/ejt.2017.342>
- 2015 Brad, T., C. Fišer, C., J-F. Flot and S. M. Sarbu, *Niphargus dancaui* sp. Nov. (Amphipoda, Niphargidae) – a new species thriving in sulfidic groundwaters in southeastern Romania, *European Journal of Taxonomy*, 164:1-28. <https://doi.org/10.5852/ejt.2015.164>
- 2015 Fiser, C., R. Lustrik, S. Sarbu, J-F. Flot and P. Trontelj, Competitive interactions and character displacement, but no environmental filtering and convergence, *Plos One*, 10:1-13.
- 2015 Konec, M., S. Prevorcnik, S.M. Sarbu, R. Verovnik, and P. Trontelj, Parallels between two geographically and ecologically disparate cave invasions by the same species, *Asellus aquaticus* (Isopoda, Crustacea), *J. of Evolutionary Biology*. 10-1111:1-12.
- 2015 Falniovski A. and S. Sarbu, Two new Truncatelloidea species from Melissotrypa Cave in Greece (Caenogastropoda). *ZooKeys*, 530:1-14.
- 2014 Flot, J.-F., J. Baumeister, T. Brad, C. Fiser, A. Hillebrandt, S.M. Sarbu and S. Dattagupta, The *Niphargus-Thiotrix* associations may be widespread in sulfidic groundwater ecosystems: evidence from southeastern Romania, *Molecular Ecology*, 23(6):1405-1417.
- 2014 B. P. M. Ćurčić, B.P.M., S.M. Sarbu, R.N. Dimitrijević and S.B. Ćurčić, A new cave Pseudoscorpion from the region of Mangalia (Romania): *Chthonius (Ephippiochthonius) borissketi* n. sp. (Chthoniidae, Pseudoscorpiones), *Archives of Biological Sciences*, 66(2):955-961.
- 2013 Poggi, R. and S. M. Sarbu, Two new Pselaphine beetles from Movile Cave (Romania) (Coleoptera, Staphilinidae, Pselaphinae), *Annali del Museo Civico di Storia Naturale "G. Doria"*, 105:115-121.
- 2002 Forti, P., S. Galdenzi, S.M. Sarbu, The hypogenic caves: a powerful tool for the study of seeps and their environmental effects, *Continental Shelf Research*, 22:2373-2386.

- 2000 Vlasceanu, L., S.M. Sarbu, A.S. Engel and B.K. Kinkle, Acidic cave-wall biofilms in the Frasassi Gorge, Italy, *Geomicrobiology Journal*, 17(2):125-139.
- 2000 Sarbu, S.M., Movable Cave: a Chemoautotrophically Based Groundwater Ecosystem, in *Subterranean Ecosystems*, H. Wilkens, D.C. Culver and W.F. Humphreys (Editors), Elsevier, pp:319-343.
- 2000 Sarbu, S.M., S. Galdenzi, M. Menichetti, and G. Gentile, Geology and biology of the Frasassi caves in Central Italy: An Ecological Multi-disciplinary Study of a Hypogenic Underground Karst System, , in *Subterranean Ecosystems*, H. Wilkens, D.C. Culver and W.F. Humphreys (Editors), Elsevier, pp:359-378.
- 1999 Riess, W., O. Giere, O. Kohls and S.M. Sarbu, Anoxic thermomineral cave waters and bacterial mats as habitat for freshwater nematodes, *Aquatic Microbial Ecol.*, 18:157-164.
- 1999 Galdenzi S., M. Menichetti, S.M. Sarbu and A. Rossi, Frasassi cave: a biogenic hypogean karst system?, *Karst 99. Etudes de geographie physique*, pp: 101-108.
- 1998 Manoleli, D., Klemm, D.J. and S.M. Sarbu, *Haemopsis caeca* sp.nov. (Annelida, Hirudine, Haemopidae) a troglobitic leech, from a chemoautotrophically based groundwater ecosystem in Romania. *Proceedings of the Biol. Society of Washington*, 111:222-229.
- 1997 Weiss, I. and S.M. Sarbu, Das unbekante Manchen der Hohlspinne *Hahnia caeca* n. comb., mit Hinweisungen zur Funktion der Tibial-Apophyse des mannliches Pedipalpus (Arachnida, Araneae, Hahniidae). *Verhandlungen des naturwissenschaftlichen Vereins Hamburg*, 36:163-171.
- 1997 Sarbu, S.M. and C. Lascu, Condensation corrosion in Movable Cave, *Journal of Karst and Cave Studies*, 59:99-102.
- 1996 Sarbu S.M., T.C. Kane, and B.K. Kinkle, A chemoautotrophically based groundwater ecosystem, *Science*, 272:1953-1955.
- 1996 Turk, S., B. Sket and S.M. Sarbu, Comparison between some epigean and hypogean populations of *Asellus aquaticus* (Crustacea: Isopoda: Asellidae) *Hydrobiologia*, 337:161-170.
- 1996 Karaman, G.S. and S.M. Sarbu, One new species of *Pontoniphargus* Dancau, 1970 (Amphipoda, Gammaridea, Nipharghidae) from Romania, *P. ruffoi*, N.sp., *Bolletino del Museo Civico di Storia Naturale di Verona*, 20: 569-582.
- 1995 Sarbu, S.M., C. Gheorghe, V. Popescu-Jarnea, L. Vlasceanu, R. Popa and C. Lascu, Stable isotope studies in Movable Cave, *Trav. Inst. Speol. "Emile Racovitza"*, 34:99-102.
- 1994 Sarbu S.M., B.K. Kinkle, L. Vlasceanu, T.C. Kane and R. Popa, Microbiological characterization of a sulfide-rich groundwater ecosystem, *Geomicrobiol. J.*, 12:175-182.

- 1994 Sarbu S.M., L. Vlasceanu, P. Sheridan, B.K. Kinkle, T. Kane and R. Popa, Microbial Mats in a thermomineral sulfurous cave, *in* Stal, L.J. and P. Caumette (eds.), *Microbial Mats*, NATO ASI Series, G 35, Springer-Verlag, pp:45-50.
- 1994 Decu V., M. Gruia, S.L. Keffer and S.M. Sarbu, A stigobiotic waterscorpion *Nepa anophthalma* n. sp. (Hemiptera, Nepidae), from Movile Cave, Romania, *Ann. Entomol. Soc. America*, 87:755-761.
- 1994 Gruia, M., Iavorschi, V. and S.M. Sarbu, *Armadillidium tabacarui* (Isopoda: Oniscidea: Armadillidiidae), a new troglobitic species from a sulfurous cave in Romania, *Proceedings of the Biological Society of Washington*, 107:699-706.
- 1994 Lascu, C., R. Popa and S.M. Sarbu, Le karst de Movile (Dobrogea de Sud), *Revue Roumaine de Geographie*, 38: 85-94.
- 1994 Weiss, I. and S.M. Sarbu, Die Hoehle spinne *Agraecina cristiani* (Georgescu, 1989) n. comb. (Arachnida, Araneae, Liocranidae), *Verhandlungen des naturwissenschaftlichen Vereins Hamburg*, 35:421-428.
- 1994 Petrescu, I., T.M. Iliffe and S.M. Sarbu, Contributions to the knowledge of cumaceans (Crustacea) from Jamaica II, five new species of the genus *Cumella*. *Travaux du Museum d'Histoire Naturelle "Grigore Antipa"*, 34:347-367.
- 1993 Petrescu, I., T.M. Iliffe and S.M. Sarbu, Contributions to the knowledge of Cumacea (Crustacea) from the littoral waters of Jamaica Island, including the description of three new species. *Travaux du Museum d'Histoire Naturelle "Grigore Antipa"*, 33:373-395.
- 1992 Sarbu, S.M. and R. Popa, A unique chemoautotrophically based cave ecosystem, *in* The natural history of biospeleology, A.I. Camacho (Editor), Mus. Nat. de Hist. Naturales, Madrid, pp:637-666.
- 1991 Sarbu S.M., R. Popa and I. Goliat, Chemoautotrophic production in a thermomineral sulfurous cave, *Trav. Inst. Speol. "Emile Racovitza"*, 30:59-61
- 1991 Popa, R. and S.M. Sarbu, Trophic structure in an aquatic troglobitic community based upon chemoautotrophic carbon fixation, *Trav. Inst. Speol. "Emil Racovitza"*, 30:51-58.
- 1990 Sarbu, S.M., The unusual fauna of a cave with thermomineral waters containing H₂S, from Southern Dobrogea, Romania, *Memoires de Biospeologie*, 17:191-195.