Curriculum Vitae

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Personal information

- **Place and date of birth:** Vălenii de Munte, Romania, 28 November 1982
- **Nationality:** Romanian

Education

- **2020: Habilitation** - Life science, Medicine and Agricultural Sciences, Romanian Academy of Sciences, Romania; **Thesis title:** Population dynamics, life history patterns and species community drivers.
- 2007 - 2012: Faculty of Natural Sciences, University Ovidius, Constanţa, Romania; University degree attained: **2012 - Doctor in Biology**; **Thesis title:** Novel methods and techniques for monitoring biodiversity; **Supervisor**: Dr. Dan Cogalniceanu, University Professor, Faculty of Natural Sciences, University Ovidius, Constanţa, Romania.
- 2005 - 2007: Faculty of Biology, Bucharest University, Romania; University degree attained: **2007 - Master of Science (M.Sc.) in Taxonomy and Biodiversity Conservation**.
- 2001 - 2005: Faculty of Biology, Bucharest University, Romania; University degree attained: **2005 - Bachelor of Science (B.Sc.) in Ecology and Environment Protection**.

Professional and research experience

- **Scientific Researcher II (2019 - till date)**: Biospeleology and Karst Edaphobiology Department, Institute of Speleology "Emile Racovitza" of Romanian Academy of Sciences, Bucharest, Romania.
- **Scientific Researcher III (2015 - 2019)**: Biospeleology and Karst Edaphobiology Department, Institute of Speleology "Emile Racovitza" of Romanian Academy of Sciences, Bucharest, Romania.
- **Postdoctoral Research Fellow (October - December 2015)**: Centre of Evolutionary and Functional Ecology, French National Centre for Scientific Research, Montpellier, France.
- **Postdoctoral Research Fellow (2013 - 2014)**: Institute of Evolutionary Biology and Environmental Studies, University of Zurich, Switzerland.
- **Research Associate (2011 - 2015)**: Faculty of Natural Sciences, University Ovidius, Constanţa, Romania.
- **Scientific Researcher (2009 - 2014)**: Biospeleology and Karst Edaphobiology Department, Institute of Speleology "Emile Racovitza" of Romanian Academy of Sciences, Bucharest, Romania.
- **Research Assistant (2005 - 2008)**: Biospeleology and Karst Edaphobiology Department, Institute of Speleology "Emile Racovitza" of Romanian Academy of Sciences, Bucharest, Romania.

Services provided to students and the home institution

- 2022 - 2025: Coordinator of two PhD students at the Doctoral School of Applied Sciences, University Ovidius Constanţa, Constanţa, Romania
- 2017 - 2025: **Head** of the Biospeleology and Karst Edaphobiology Department, Institute of Speleology "Emile Racovitza" of Romanian Academy of Sciences, Bucharest, Romania.
- 2004 - 2005: **Mentor** of under graduate students at Faculty of Biology, Bucharest University, Romania;

course taught - Descriptive and inferential statistics.

Publications

Scientific publications as main author (first/corresponding/last author) according to OMECTS no.4478/2011, Appendix 2, Section Definitions, art. 10, are marked with an asterisk (*).

Peer-reviewed (indexed in WOS)

1. Rozylowicz L, Popescu VD, Manolache S, Nita A, Gradinaru SR, Mirea MD, **Băncilă RI** (2024). Occupancy and N-mixture modeling applications in ecology: a bibliometric analysis. ***Global Ecology and Conservation,*** e02838.
2. Mammola S, Altermatt F, Alther R, Amorim IR, **Băncilă RI**, Borges PA, Brad T, Brankovits D, Cardoso P, Cerasoli F, Chauveau CA (2024). Perspectives and pitfalls in preserving subterranean biodiversity through protected areas. ***npj Biodiversity*** 3. p.2
3. Manu M, Băncilă RI, Onete M (2023). Effect of grazing management on predator soil mite communities (Acari: Mesotigmata) in some subalpine grasslands from the Făgăraş Mountains—Romania. **Insects** 14(7), 626. **IF=3**. **(Q1)** (Insect Science)
4. **Băncilă RI***, Lattuada M, Sillero N (2023) Distribution of amphibians and reptiles in agricultural landscape across Europe. ***Landscape Ecology***. https://doi.org/10.1007/s10980-022-01583-w. **IF=5.045**. **(Q1)** (Nature and Landscape Conservation)
5. **Băncilă RI***, Cogălniceanu D, Manu M, Plăiaşu R, Stănescu F, Memedemin D, Skolka M, Tofan L, Lăcătuşu A (2023) A multi-community approach in biodiversity assessment of a peat bog in the Southern Carpathians (Romania) and implications for conservation. ***Environmental Entomology*** (accepted). **IF = 2.377**. (**Q2**) (Ecology)
6. **Băncilă RI***, Stănescu F, Plăiaşu R, Nae I, Székely D, Vlad SE, Cogălniceanu D (2023). Food and light availability induce plastic responses in fire salamander larvae from contrasting environments. PeerJ, 11, e16046. **IF=3.06 (Q2**) (Agricultural and Biological Sciences)
7. Rodas LR, Sarbu SM, **Băncilă RI**, Price D, Fišer Ž, Protas M (2023) Standing genetic variation as a potential mechanism of novel cave phenotype evolution in the freshwater isopod, *Asellus aquaticus*. ***Evolution & Development***: https://doi.org/10.1111/ede.12428. **IF=2.839**. (**Q3**) (Developmental Biology)
8. Manu M, **Băncilă RI**, Mountford OJ, Maruşca T, Blaj VA, Onete M (2022). Soil mite (Acari: Mesostigmata) communities and their relationships with some environmental variables in experimental grasslands from Bucegi Mountains in Romania. ***Insects*** 13, 285. **IF=3.141**. (**Q1**) (Insect Science)
9. Gerovasiliou V, **Băncilă RI**, Katsanevakis S, Zenetos A (2022) Introduced species in Mediterranean marine caves: an increasing but neglected threat. ***Mediterranean Marine Science*** 23: 995-1005. **IF=3.016**. (**Q2**) (Environmental Engineering)
10. **Băncilă RI***, Skolka M, Ivanova P, Surugiu V, Stefanova K, Todorova V, Zenetos A (2022) Alien species of the Romanian and Bulgarian Black Sea coast: state of knowledge, uncertainties, and needs for future research. ***Aquatic Invasions*** 17: 353-373. https://doi.org/10.3391/ai.2022.17.3.02. **IF=2.651**. (**Q2**) (Aquatic Science)
11. Manu M, **Băncilă RI***, Mountford OJ, Onete M (2022). Soil Invertebrate Communities as Indicator of Ecological Conservation Status of Some Fertilised Grasslands from Romania. ***Diversity*** 14: 1031. **IF=2.28**. (**Q2**) (Agricultural and Biological Sciences).
12. Craioveanu C, Muntean I, Ruprecht E, **Băncilă RI**, Crișan A, Rákosy L (2021) Main factors affecting butterfly and plant diversity in basiphilous dry grasslands of Transylvania, Romania. ***Community Ecology.*** https://doi.org/10.1007/s42974-021-00055-6 (**Q3**) (Ecology)
13. **Băncilă RI***, Plăiaşu R, Stănescu F, Schmidt BR, Nae I, Denoël M (2021) Food level and light conditions affect the antipredator behavior in larvae of a stream-breeding amphibian. ***Behavioral ecology and sociobiology*** 75: 36. https://doi.org/10.1007/s00265-021-02966-w. (**Q1**) (Ecology, Evolution, Behaviour and Systematics)
14. Manu M, **Băncilă RI**, Onete M (2021) Soil mite communities (Acari: Mesostigmata) as indicators of urban ecosystems from Bucharest, Romania. ***Scientific Reports*** 11: 3794. https://doi.org/10.1038/s41598-021-83417-4. (**Q1**) (Multidisciplinary)
15. Schmidt BR, **Băncilă RI**, Hartel T, Sos T, Grossenbacher K, Schaub M (2021) Shifts in amphibian population dynamics in response to a change in the predator community. ***Ecosphere*** 12. https://doi.org/10.1002/ecs2.3528. (**Q2**) (Ecology)
16. Vlad SE, Cogălniceanu D, **Băncilă RI**, Stănescu F (2020) A case of color aberration in a fire

salamander (Salamandra salamandra) larva. ***Herpetozoa*** 33: 213-215. (Q3) (Animal science and Zoology) (**Q3)**

17. Dragu A, Csorba G, **Băncilă RI*** (2019) Ecological character displacement in mandibular morphology of three sympatric horseshoe bats. ***Hystrix, the Italian Journal of Mammalogy*** 30: 51 – 58. **IF=1.195**. (**Q1**) (Animal science and Zoology)
18. Manu M, Honciuc V, Neagoe A, **Băncilă RI***, Iordache V, Onete M (2019) Soil mite communities (Acari: Mesostigmata, Oribatida) as bioindicators for environmental conditions from polluted soils. ***Scientific Reports*** 9: 20250. **IF=4.011**. (**Q1**) (Multidisciplinary)
19. Plăiaşu R, **Băncilă RI*** (2018) Fluctuating asymmetry as a bio-marker to account for in conservation and management of cave-dwelling species. ***Journal of Insect Conservation*** 22: 221 – 229. **IF=1.18.** (**Q1**) (Insect Science)
20. Manu M, Onete M, **Băncilă RI*** (2018) The effect of heavy metals on mite communities (Acari - *Gamasina*) from urban parks – Bucharest, Romania. ***Environmental Engineering and Management Journal*** 143: 30 – 41. **IF=0.45.** (**Q3**) (Environmental Engineering)
21. **Băncilă RI***, Pradel R, Choquet R, Plăiaşu R, Gimenez O (2018) Using temporary emigration to inform movement behaviour of cave-dwelling invertebrates: a case study of a cave harvestman species. ***Ecological Entomology*** 43: 551 – 559. **IF=0.93.** (**Q1**) (Ecology)
22. Manu M, **Băncilă RI***, Onete M (2018) Importance of moss habitats for mesostigmatid mites (Acari: Mesostigmata) in Romania. ***Turkish Journal of Zoology*** 42: 673 – 683. **IF=0.607**. (**Q3**) (Animal science and Zoology)
23. Nae I, **Băncilă RI*** (2017) Mesovoid Shallow Substratum (MSS) as biodiversity hotspot for conservation priorities: analysis of oribatid mite (Acari: *Oribatida*). ***Acarologia*** 57: 855 – 868. **IF=0.53** (**Q3**) (Insect Science)
24. Manu M, **Băncilă RI**, Iordache V, Onete M (2017) Impact assessment of heavy metal pollution on soil mite communities (Acari: *Mesostigmata*) from Zlatna Depression – Transylvania. ***Process Safety and Environmental Protection*** 108: 121 – 134. **IF=0.91**. (**Q1**) (Environmental Engineering)
25. Buhaciuc E, Székely P, **Băncilă RI***, Cogălniceanu D (2017) Food availability influences postmetamorphic growth in two spadefoot toad species (genus *Pelobates*). ***Amphibia-Reptilia*** 38: 41 – 48. **IF=0.69**. (Q1) (Animal science and Zoology)
26. Cogălniceanu D, **Băncilă RI***, Plăiaşu R, Roşioru D, Merilä J (2017) Small-scale spatial and temporal variation of life-history traits of common frogs (*Rana temporaria*) in sub-Arctic Finland. ***Polar Biology*** 40: 1581 – 1592. **IF=1.954**. (Q1) (Agricultural and Biological Sciences)
27. **Băncilă RI***, Cogălniceanu D, Ozgul A, Schmidt BR (2017) The effect of aquatic and terrestrial habitat characteristics on occurrence and breeding probability in a montane amphibian: insights from a spatially explicit multistate occupancy model. ***Population Ecology*** 59: 71 – 78. **IF=1.644.** (Q1) (Ecology, Evolution, Behaviour and Systematics)
28. Plăiaşu R, Ozgul A, Schmidt BR, **Băncilă RI*** (2017) Spatial and sex specific differences in survival probabilities of a cave-dwelling harvestman species. ***Animal Biology*** 67: 165 – 176. **IF=1.** (Q3) (Ecology, Evolution, Behaviour and Systematics)
29. Manu M, Iordache V, **Băncilă RI**, Bodescu F, Onete M (2016) The influence of environmental variables on soil mite communities (Acari: Mesostigmata) from overgrazed grassland ecosystems-Romania. ***Italian Journal of Zoology*** 83: 89-97. **IF=0.63**. (Q2) (Animal science and Zoology)
30. Moga CI, Samoilă C, Öllerer K, **Băncilă RI**, Réti K-O, Craioveanu C, Poszet S, Rákosy L, Hartel T (2016) Environmental determinants of the old oaks in wood-pastures from a changing traditional social–ecological system of Romania. ***Ambio*** 45: 480 – 489. **IF=3.84.** (Q1) (Ecology).
31. **Băncilă RI***, Arntzen JW (2016) Isolation of lizard populations measured with molecular genetic data–*Podarcis guadarramae* in the Ria de Arosa archipelago. ***Amphibia-Reptilia*** 37: 446 – 449. **IF=1.94**. (Q1) (Animal science and Zoology)
32. **Băncilă RI***, Ozgul A, Hartel T, Sos T, Schmidt BR (2016) Direct negative density-dependence regulating the population dynamics of a pond-breeding frog. ***Ecography*** 39: 449 – 455. **IF=4.902**. (Q1) (Ecology, Evolution, Behaviour and Systematics)
33. Hartel T, Sos T, Popescu V, **Băncilă RI**, Cogălniceanu D, Rozylowic L (2014) Amphibian conservation in traditional cultural landscapes: the case of Central Romania. ***North-Western Journal of Zoology*** 10: S51 - S61. **IF=0.869**. (Q2) (Animal science and Zoology)
34. Buică G, **Băncilă RI***, Tudor M, Plăiaşu R, Cogălniceanu D (2014) The injuries on tortoise shells' as a depository of past human impact. ***Italian Journal of Zoology*** 21: 287 – 297. **IF=1.13**. (Q2) (Animal science and Zoology)
35. **Băncilă RI***, Cogălniceanu D, Plăiaşu R, Tudor M, Cazacu C, Hartel T (2014) Comparative performance of incidence based species richness estimators in herpetofauna inventory. ***Ecological Indicators*** 45: 219 – 226. **IF=3.444**.(Q1) (Ecology)

36. Nitzu E, Nae A, **Băncilă RI**, Popa I, Giurginca A, Plăiaşu R (2014) Scree habitats: ecological function, species conservation and spatial-temporal variation in the arthropod community. ***Systematics and Biodiversity*** 12: 1 – 11. **IF=2.191**. (Q1) (Ecology, Evolution, Behaviour and Systematics)
37. Cogălniceanu D, Székely P, Székely D, Roşioru D, **Băncilă RI**, Miaud C (2013) When males are larger than females in ectotherms: Reproductive investment in the Eastern Spadefoot Toad *Pelobates syriacus*. ***Copeia*** 4: 699 – 706. **IF=0.89**. (Q2) (Animal science and Zoology)
38. Manu M, **Băncilă RI**, Onete M (2013) Soil mite communities (Acari: *Gamasina*) from different ecosystem types from Romania. ***Belgian Journal of Zoology*** 143: 30 – 41. **IF=0.333**. (Q4) (Animal science and Zoology)
39. Balázs V, Kovács V, **Băncilă RI**, Hartel H, Anthony B (2013) A landscape-level study on the breeding site characteristics of ten amphibian species in Central Europe. ***Amphibia-Reptilia*** 34: 63 – 73. **IF=1.61.** (Q2) (Ecology, Evolution, Behaviour and Systematics)
40. Plăiaşu R, Vörös J, **Băncilă RI*** (2012) Fluctuating asymmetry as a tool in identifying population stress in Hungarian populations of *Bombina bombina*, *B. variegata* and their hybrids. ***Acta Zoologica Academiae Scientiarum Hungaricae*** 58: 361 – 368. **IF=0.82**. (Q3) (Ecology, Evolution, Behaviour and Systematics)
41. Cogălniceanu D, **Băncilă RI***, Plăiaşu R, Samoilă C, Hartel T (2012) Aquatic habitat use by amphibians with specific reference to *Rana temporaria* at high elevations (Retezat Mountains National Park, Romania). ***Annales de Limnologie - International Journal of Limnology*** 48: 355 – 362. **IF=0.7**. (Q3) (Aquatic Science)
42. Plăiaşu R, **Băncilă RI**, Samoilă C, Hartel T, Cogălniceanu D (2012) Waterbody availability and use by amphibian communities in a rural landscape. ***Herpetological Journal*** 22: 13 – 21. **IF=1.31**.(Q2) (Nature and Landscape Conservation)
43. **Băncilă RI*,** Plăiaşu R, Tudor M, Samoilă C, Cogălniceanu D (2012) Fluctuating asymmetry in the Eurasian Spur-Thighed Tortoise, *Testudo graeca ibera* Linneaus, 1758 (Testudines: *Testudinidae*). ***Chelonian Conservation and Biology*** 11: 234 – 239. **IF=0.96**. (Q2) (Animal science and Zoology)
44. Hartel T, **Băncilă RI,** Cogălniceanu D (2011) Spatiotemporal variability of aquatic habitat use by amphibians in a hydrologically modified landscape. ***Freshwater Biology*** 11: 288 – 229. **IF=3.29**. (Q1) (Aquatic Science)
45. **Băncilă RI***, Van Gelder I, Rotteveel E, Loman J, Arntzen JW (2010) Fluctuating asymmetry is a function of population isolation in island lizards. ***Journal of Zoology*** 282: 266 – 275. **IF=1.27**. (Q1) (Animal science and Zoology)
46. **Băncilă RI*,** Hartel T, Plăiaşu R, Smets J, Cogălniceanu D (2010) Comparing three body condition indices in amphibians: a case study of yellow-bellied toad *Bombina variegata*. ***Amphibia-Reptilia*** 31: 558 - 562. **IF=1.05.** (Q2) (Animal science and Zoology)

Books

47. Cogălniceanu D., Stănescu F., Tudor, M., Cobzaru I., Drăgan, O., **Băncilă, R.**, Chişamera, G., Petrescu, A., Telea E.A., Samoilă, C., Ureche D., Ciubuc F., Popa A.M. 2022. Ghid de inventariere şi cartare a distribuţiei speciilor alogene de vertebrate terestre din România. Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. ISBN: 978-973-0-36594-8. DOI: 10.5281/zenodo.6832794. Disponibilă la: https://zenodo.org/record/6832794#.YtACiv1BxEb

BDI

48. Manu M, **Băncilă RI**, Lotrean N, Badiu D, Nicoară R, Onete M, Bodescu F (2019) Monitoring of the saproxylic beetle Morimus asper funereus (Coleoptera: Cerambycidae) in Măcin Mountains National Park, Romania. Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa" 62: 61-79. https://doi. org/10.3897/travaux.62.e38591.
49. Vlaicu M, Munteanu CM, Giurginca A, Goran C, Marin C, Plăiaşu R, **Băncilă RI**, Tudorache A (2010) Geological and ecological assessment of the exposure degree of the Zăton-Bulba karst system (Mehedinţi Plateau) to the anthropogenetic hazards: intrinsic vulnerability and biodiversity study. Travaux de l'Institut de Spéleologie "Emile Racovitza" 49: 149-164.
50. Plăiaşu R, **Băncilă RI**, Samoilă C, Cogălniceanu D (2010) Distribution and habitat use by amphibian communities in Retezat National Park. "Travaux du Museum d'Histoire Naturelle "Grigore Antipa" 53: 469-478.
51. Plăiaşu R, **Băncilă RI**, Samoilă C, Cogălniceanu D (2010) Factors influencing the breeding habitat use by amphibians in the alpine area of the Retezat National Park (Romania). "Travaux du Museum

d'Histoire Naturelle "Grigore Antipa" t LIII: 469-478.
52. Plăiaşu R, **Băncilă RI**, Samoilă C. (2009) Opilionide din Parcul Naţional Munţii Măcin. Scientific Studies and Research. Series Biology, Bacău 17: 71-73.
53. **Băncilă RI**, Plăiaşu R, Cogălniceanu D (2009) Effect of latitude and altitude on body size in the common frog (Rana temporaria) populations. Scientific Studies and Research. Series Biology, Bacău 17: 43-46.
54. **Băncilă RI**, Plăiaşu R (2009) Sampling efficiency of pitfall traps and Winkler extractor for inventory of harvestmen (Arachnida: Opilionidae). Travaux de l'Institut de Speologie "Emile Racovitza" t. XLVIII: 59-67.
55. Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T (2008) The current distribution of herpetofauna in Maramureş County and Maramureş Mountains Natural Park, Romania. Transylvanian Review of Systematical and Ecological Research 5: 189-200.
56. Plăiaşu R, **Băncilă RI** (2008) The harvestmen fauna (Arachnida: Opiliones) from the Maramureş Mountains Natural Park. Transylvanian Review of Systematical and Ecological Research 5: 59-62.
57. Plăiaşu R, **Băncilă RI**, Hartel T, Cogălniceanu D (2005) The use of digital images for the individual identification of amphibians. Scientific Studies and Research. Series Biology, Bacău 10: 137-140.

Other Scientific publications

58. Plăiaşu R, **Băncilă RI**, Cogălniceanu D (2010) Body size variation in Rana temporaria populations inhabiting extreme environments. Analele Universităţii Ovidius, Seria Biologie-Ecologie 14: 121-126.
59. Hartel T, Öllerer K, Farczády L, Monga C, **Băncila RI** (2009) Using species detectability to infer distribution, habitat use and absence of a cryptic species: the smooth snake (Coronella austriaca) in Saxon Transylvania. Acta Scientiarum Transylvanica 17: 61-76.
60. Vlaicu M, Munteanu CM, Goran C, Marin C, Giurginca A, Plăiaşu R, **Băncilă RI**, Tudorache A (2007) Multiproxy approach to vulnerability assessment of karst ecosystems from the Ponoarele test area (Mehedinti Plateau, Romania). Proceedings of the XXXV IAH Congress (Lisbon).
61. Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T, Tudor M (2007) The herpetofauna of the Maramureş Mountains Natural Park. Proceeding of the 1st International Conference Environoment - Natural Sciences - Food Industry in European Context, Baia Mare, România.

Technical reports

62. Stănescu F., Tudor M., Cogălniceanu D., Băncilă R.I., Samoilă C., Gavril V.D., Cobzaru I., Chişamera G., Petrescu A., Nagy A.A., Fânaru G., Topliceanu S., Drăgan O., Imecs I., Telea E.A., Bâdiliță A.M., Cristea V.M., Ureche D., Popa A.M. (2022). 14 liste de urmărire vertebrate terestre invazive (liste negre) pentru ariile naturale protejate (13 parcuri naționale și Delta Dunării).Raport întocmit în cadrul Proiectului POIM2014+120008 -Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. București: Ministerul Mediului, Apelor și Pădurilor și Universitatea din București. DOI: 10.5281/zenodo.7153445
63. Tudor M., Stănescu F., Băncilă R., Samoilă C., Chişamera G., Cobzaru I., Petrescu A., Drăgan O., Fânaru G., Topliceanu S., Gavril V.D., Telea E.A., Cogălniceanu D., Popa A.M. (2022). Raportfinal privind distribuția speciilor de vertebrate alogene rezultată din activitatea de inventariere cu efort redus (an 3). Raport întocmit în cadrul Proiectului POIM2014+120008 -Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. București: Ministerul Mediului, Apelor și Pădurilor & Universitatea din București. DOI: 10.5281/zenodo.7154121
64. Samoilă C., Băncilă R.I., Tudor M., Stănescu F., Cogălniceanu D., Gavril V.D., Cobzaru I., Chişamera G., Petrescu A., Nagy A.A., Fânaru G., Topliceanu S., Drăgan O., Imecs I., Telea E.A., Bâdiliță A.M., Cristea V.M., Ureche D., Popa A.M. (2022). Hărți cu distribuția speciilor invazive de vertebrate terestre în arii naturale protejate, în mod special în parcurile naționale și rezervațiile biosferei (14 hărți, 13 parcuri naționale și Delta Dunării).Raport întocmit în cadrul Proiectului POIM2014+120008 -Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. București: Ministerul Mediului, Apelor și Pădurilor și Universitatea din București. DOI:10.5281/zenodo.7153434
65. Băncilă R.I., Stănescu F., Tudor M., Samoilă C., Cogălniceanu D., Gavril V.D., Cobzaru I., Chişamera

G., Petrescu A., Nagy A.A., Fânaru G., Topliceanu S., Drăgan O., Imecs I., Telea E.A., Bâdiliță A.M., Cristea V.M., Ureche D.,Popa A.M. (2022). Raport final privind distribuția speciilor de vertebrate alogene din hot-spot-uri și căile prioritare de pătrundere (an 3).Raport întocmit în cadrul Proiectului POIM2014+120008 -Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. București: Ministerul Mediului, Apelor și Pădurilor & Universitatea din București. DOI: 10.5281/zenodo.7153468

66. Sahlean T.C., Pascu I., **Băncilă R.I.**, Samoilă C., Cazacu C.,Adamescu C.M., Corpade A.M., Corpade C.P.,Popa A.M. (2021). Raport privind rutele potentiale de dispersie a speciilor, descrierea metodologiei utilizate și codul folosit pentru modelarea rutelor. Raport întocmit în cadrul Proiectului POIM2014+120008 -Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. Bucureşti:Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.6400929.
67. Cogălniceanu D., Stănescu F., Băncilă, R.I., Chișamera, G., Cobzaru I., Tudor, M., Drăgan O., Samoilă, C., Telea E.A., Ureche D. 2021. Protocol de inventariere a speciilor de vertebrate invazive și potențial invazive cu 2 variante de lucru (pentru zonele fierbinți și căi de introducere prioritare și pentru zonele de cartare cu efort redus de colectare a datelor). v.1. Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594184
68. Stănescu F., Cogălniceanu D., Skolka M., Tudor M., Ferreira-Rodríguez N., Fânaru G., Băncilă R.I., Ureche D., Iorgu E., Krapal A.M., Popa O.P., Adam C., Popa L.O. 2021. Raport integrat privind cele mai bune practici de eradicare/control a speciilor alogene invazive și potențialul lor de aplicare în România. Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594375
69. Stănescu F., Cogălniceanu D., Skolka M., Tudor M., Ferreira-Rodríguez N., Fânaru G., Băncilă R.I., Ureche D., Iorgu E., Krapal A.M., Popa O.P., Adam C., Popa L.O. 2021. Raport privind identificarea și descrierea celor mai bune practici de eradicare/control a speciilor alogene invazive în managementul activităților agricole și a măsurilor eficace de gestionare a speciilor alogene invazive de interes pentru Uniunea Europeană pentru care s-a constatat că sunt răspândite la scară largă pe teritoriul României. Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594379
70. Cogălniceanu D., Stănescu F., Samoilă C., Gavril V.D., Cobzaru I., Chișamera G., Petrescu A., Nagy A.A., Tudor M., Fânaru G., Topliceanu S., Drăgan O., Imecs I., Băncilă R.I., Telea E.A., Bâdiliță A.M., Cristea V.M., Ureche D., Popa A.M. 2021. Raport inițial privind distribuția speciilor de vertebrate terestre alogene din hot-spot-uri și căile prioritare de pătrundere (anul 1 cartare). Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594196
71. Stănescu F., Cogălniceanu D., Samoilă C., Bâdiliță A.M., Cristea V.M., Cobzaru I., Chișamera G., Gavril V.D., Petrescu A., Ureche D., Băncilă R.I., Nagy A.A., Imecs I., Fânaru G., Drăgan O., Telea E.A., Topliceanu S., Tudor M., Popa A.M. 2021. Raport inițial privind distribuția speciilor de vertebrate terestre alogene realizată cu efort redus de prelevare a datelor (an 1 cartare). Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594200
72. Popa O.P., Cogălniceanu D., Iorgu, E.I., Krapal, A.M., Stănescu F., Tudor M., Popa, L.O., Adam, C., Băncilă R.I., Fânaru G. 2021. Raport tehnic privind metodologia utilizată pentru alcătuirea bazei de date cu căile de pătrundere identificate cel puțin pentru speciile selectate din lista DAISE – 100 of the Worst. Bucureşti: Ministerul Mediului, Apelor şi Pădurilor & Universitatea din Bucureşti. DOI: 10.5281/zenodo.5594363
73. Băncilă R.I., Stănescu F., Cogălniceanu D., Samoilă C., Gavril V.D., Cobzaru I., Chișamera G., Petrescu A., Nagy A.A., Tudor M., Fânaru G., Topliceanu S., Drăgan O., Imecs I., Telea E.A., Bâdiliță A.M., Cristea V.M., Ureche D., Popa A.M. (2021). Raport intermediar privind distribuția speciilor de animale alogene din hot-spot-uri și căile prioritare de pătrundere (an 2). Raport întocmit în cadrul Proiectului POIM2014+120008 - Managementul adecvat al speciilor invazive din România, în conformitate cu Regulamentul UE 1143/2014 referitor la prevenirea și gestionarea introducerii și răspândirii speciilor alogene invazive. Bucureşti: Ministerul Mediului, Apelor și Pădurilor și Universitatea din Bucureşti. DOI: 10.5281/zenodo.6817627

Member of organising committee

- The 25th Conference on Subterranean Biology - Looking into the past to see the future of biospeleology; 18 June - 22 July 2022,Cluj-Napoca, Romania.
- Biospeleology and Theoretical and Applied Karstology Symposium; 27-30 September 2018, Băile Herculane, Romania.

Research projects/grants

- 2022 - 2024: **Project** financed by the **Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)**, no. PN-III-P2-2.1-PED-2021-1965; **Project title**: "Interactive tool for estimating abundance of wildlife populations"; Position: collaborator.
- 2023 - 2026: Project funded by 2021-2022 **Biodiversa+ program**; **Project title**: "The vertical dimension of conservation: A cost-effective plan to incorporate subterranean ecosystems in post-2020 biodiversity and climate change agendas"; Position: collaborator.
- 2022 - 2024: Project financed by the **Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI),** no. PN – III – P1-1.1-TE-2021-1047; **Project title**: Patterns of subterranean biodiversity in natural and artificial habitats; Position: collaborator.
- 2022 - 2025: Project financed by the **Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)**, no. PCE 31/2022; **Project title**: "Predicting the response of alpine communities to global changes" Position: collaborator.
- 2020 - 2022: **Project** financed by the **Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI),** no. PN-III-P1-1.1-TE-2019-1233 (TE 49 / 15.09.2020); **Project title**: "Long-term wildlife population trends in a protected area: predicting and managing effects of climate change and tourism"; Position: **project leader**; Founded amount: 431.900 RONI
- 24 November - 8 December 2019: **Mobility Project,** no. PN-III-P1-1.1-MC-2019-9454, for access to the infrastructure, i.e. Vertebrate Collection, of the **Technical Particular University of Loja**, Loja, Ecuador; Position: **project leader**.
- 2018 - 2020: **Project** financed by **UEFISCDI**; **Project title:** Tools for modeling processes at the interface between water, soil, plants and air in order to promote the sustainable management of groundwater dependent ecosystems and their integrating river basins (INTER-ASPA); Position: collaborator.
- 07 - 13 October 2018: **Mobility Project**, no. PN-III-P1-1.1-MC-2018-0681, for attending "Introduction to Frequentist and Bayesian mixed (Hierarchical) models" course in Glasgow, Scotland; Position: **project leader**.
- 04 - 13 September 2018: **eLTER H2020 Project -** Integrated European Long-Term Ecosystem and Socio-Ecological Research Infrastructure; **Project title:** "Impact of land use on taxonomic and functional diversity of arthropods"; Position: **project leader**.
- 10 January - 9 February 2018: **Mobility Project,** no. PN-III-P1-1.1-MC-2017-1500, for access to the infrastructure, i.e EthoVision XT - Video tracking software (from Noldus Information Technology), of the Fresh water and Oceanic science unit of research, Laboratory of Fish and Amphibian Ethology, **University of Liege**, Belgium; Position: **project leader**.
- 2015 - 2017: **Project** financed by **UEFISCDI,** no. PN II - RU - TE - 2014 - 4 - 1536 (28 / 01.10.2015); **Project title**: "Distribution, occupancy, site selection for breeding and life history of troglophilic species in hypogean versus epigean habitats"; Position: **project leader**; Founded amount: 550 000 RONI
- 2017 - 2018: **Bilateral Grant** Romania – Valonia; **Project title**: "Adaptive strategies in amphibians under environmental stress"; Position: p**roject leader** of the team of "Emile Racovitza" Institute of Speleology partner institution.
- 2016: **eLTER H2020 Project -** Integrated European Long-Term Ecosystem and Socio-Ecological Research Infrastructure; **Project title:** "Assessing the impact of dryness on harvestmen (*Opliliones*) from Montado (Portugal)"; Position: collaborator.
- 2015 - 2016: **Grant** financed by Island, Liechtenstein and Norway within the **RO02 Program – "Biodiversity and ecosystem services"**; **Project title**: "Restoration strategies of the degraded peatland ecosystems from Romania (PeatRO)". Position: collaborator.
- 2011 - 2016: **Project** financed by **UEFISCDI**, no. 182/2011; **Project title**: "Is range limited by life

history, environmental conditions or biogeographical barriers? A study case using spadefoot toads (genus *Pelobates*)"; Position: collaborator.
- 2011 - 2013: **Project** financed by **UEFISCDI**, no. PN-II-RU-PD-2011-3-0088; **Project title**: "Factors influencing the habitat use by harvestmen communities (Arachnida: *Opiliones*) in Mehedinti Plateau Geopark"; Position: collaborator.
- 2010: **Grant** in Lapland, Finland, financed by the **EU Lapbiat program**; **Project title:** "Life history trade-offs and adaptations of ectotherms in the arctic"; Position: collaborator.
- 2005 - 2009: **Project** financed by **UEFISCDI**, no. 88 GR/2006; **Project title:** "Romanian karst and impervious terrains vulnerability. Criteria establishment and terrains assessment"; Position: collaborator.

International fellowships

- 31st August - 14 October 2023: **COST Short Term Scientific Mission**, STSM Fellowship, COST Action PERIAMAR (CA18221) PEsticide Risk AssessMent for Amphibians and Reptiles at CICGE-Research Centre On Geo-Spatial Sciences (Porto, Portugal). **Project title**: "Analysis of spatial data on European herpetofauna".
- 3rd - 15 July 2022: **Synthesys Visiting Fellowship** (European Union-funded pan-European collections infrastructure project) at the Department of Paleobiology and Museo Nacional de Ciencias Naturales (Madrid, Spain). **Project title**: "Patterns of sexual shape and size dimorphism in cranium of rhinolophids bats"
- 30 May - 1st July (2022), **COST Short Term Scientific Mission**, STSM Fellowship, COST Action (Alien-CSI) CA 17122 "Increasing understanding of alien species through citizen science" at the Ionian University, Department of Environment (Zakynthos, Greece). **Project title**: "Horizon scanning to predict and prioritize invasive alien species threatening the biodiversity of subterranean ecosystems in Europe".
- 1st September - 15 October 2021: **COST Short Term Scientific Mission**, STSM Fellowship, COST Action PERIAMAR (CA18221) PEsticide Risk AssessMent for Amphibians and Reptiles at CICGE-Research Centre On Geo-Spatial Sciences (Porto, Portugal). **Project title**: "Refine the spatial analysis of herpetofauna species occurring in agricultural fields across Europe".
- November 2019: **Synthesys Visiting Fellowship** (European Union-funded pan-European collections infrastructure project) at the **Zoologisches Forschungsmuseum Alexander Koenig** (Bonn, Germany). **Project title**: "Patterns of variation in skull shape among horseshoe bats (Family: *Rhinolophidae*) within a phylogenetic framework".
- August - September 2019: **COST Short Term Scientific Mission,** STSM Fellowship, COST Action (Alien-CSI) CA 17122 "Increasing understanding of alien species through citizen science" at the Institute of Marine Biological Resources and Inland Waters, **Hellenic Centre for Marine Research** (Attica, Greece). **Project title**: "Invasive alien species threatening the biodiversity of subterranean ecosystems in Europe".
- August - September 2016: **Martin Fellowship** (European Union-funded pan-European collections infrastructure project) at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: "Analysis of asymmetry in 3D vs 2D geometric morphometrics across spatio-temporal isolated lizard populations".
- February 2013: **Synthesys Visiting Fellowship** (European Union-funded pan-European collections infrastructure project) at the **Royal Institute of Natural Sciences** (Brussels, Belgium). **Project title**: "Patterns of plastron shape asymmetry in captive populations - a case study in *Testudo graeca*".
- 2012: **Synthesys Visiting Fellowship** (European Union-funded pan-European collections infrastructure project) at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: " Shape and symmetry of the cranium corrected for size and age - a high resolution 3D geometric morphometric analysis across isolated lizard populations".
- September - November 2010 and May - July 2011: **Martin Fellowship** at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: "Molecular genetic variation in *Triturus* newts".
- January - April 2010: **Martin Fellowship** at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: "Fluctuating asymmetry and genetic variability depauparation as a consequence of population isolation in lizards".
- February - May 2009: **Martin Fellowship** at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: "Fluctuating asymmetry as a function of spatial and temporal isolation: a geometric morphometrics approach in lizards".

- 2008: **Synthesys Visiting Fellowship** (European Union-funded pan-European collections infrastructure project) at **Naturalis Biodiversity Centre** (Leiden, the Netherlands). **Project title**: "Fluctuating asymmetry as a function of spatio-temporal isolation in lizards".

International conferences and symposiums

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1. 25th International Conference on Subterranean Biology (Cluj-Napoca, Romania) Băncilă RI, Nae A, Giurginca A, Nae I, Nițu E, Popa I, Baba CS, Plăiașu R (2022) "Arthropod communities and drivers of their species diversity and composition in caves" - oral presentation
2. 25th International Conference on Subterranean Biology (Cluj-Napoca, Romania) Plăiașu R, Băncilă RI, Giurginca A, Nae A, Nițu E, Popa I, Baba CS, Toma V, Petculescu A (2022) "Assessment of biological diversity of underground artificial habitats in cultural landscapes" - poster
3. 18th International Congress of Miriapodology (Budapest, Hungary): Baba S, Băncilă RI, Popa I, Murariu D, Petculescu A, Gurginca A (2019) "Miriapoda within a cultural landscape" - poster
4. SEH 2017 19th European Congress of Herpetology (Salzburg, Austria): Plăiaşu R, Stănescu F, Szekely D, Nae I, Băncilă RI (2017) "Effects of food availability and photoperiod on body size and growth rate of the fire salamander (Salamandra salamandra) larvae" - poster
5. 8th Symposium of the European Association of Acarologists (Valencia, Spain): Nae I, Nae A, Plăiaşu R, **Băncilă RI** (2016) "Effects of scree habitat types on oribatid mite community structure (Acari: *Oribatida*) in Southern Carpathians, Romania" - poster
6. 18th European Congress of Herpetology (Wroclaw, Poland): 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*" - poster
7. 28th European Congress of Arachnology (Turin, Italy): Plăiaşu R, **Băncilă RI** (2014) "Higher levels of fluctuating asymmetry in harvestmen cave populations compared to surface populations" - poster
8. Amphibian Conservation Research Symposium (London, UK): **Băncilă RI** (2014) "Do density-dependent and/or independent factors regulate population dynamic? - a pond- breeding frog case study" - oral presentation
9. 5th Annual Zoological Congress of "Grigore Antipa" Museum (Bucharest, Romania): Plăiaşu R, **Băncilă RI**, Mirea I (2013) "Factors influencing habitat use by harvestmen (*Opiliones*) in Mehedinti Plateau Geopark" - poster
10. 15th Annual Zoological Congress of "Grigore Antipa" Museum (Bucharest, Romania): Manu M, **Băncilă RI**, Onete M, Iordache V (2013) "Ecological investigations between soil mite communities and some environmental variables from urban ecosystems from Romania" - poster
11. 15th Annual Zoological Congress of "Grigore Antipa" Museum (Bucharest, Romania): Cogălniceanu D, Székely P, Székely D, Stănescu F, Buhaciuc E, Samoilă C, Ruben I, **Băncilă RI**, Roşioru D (2013) "Life history strategies of spadefoot toads (genus *Pelobates*) - poster
12. 17th European Congress of Herpetology (Veszprém, Hungary): **Băncilă RI**, Ivanovic A, Arntzen JW (2013) "Symmetry of the cranium in island populations of *Podarcis* lizards analysed with a high resolution 3D geometric morphometric approach" - poster
13. 17th European Congress of Herpetology (Veszprém, Hungary): Roşioru D, Plăiaşu R, **Băncilă RI**, Miaud C, Cogălniceanu D (2013) "Population structure dynamics of a common frog population at the northern limit of its range" - poster
14. 17th European Congress of Herpetology (Veszprém, Hungary): Székely P, **Băncilă RI**, Székely D, Cogălniceanu D (2013) "Variation in body size and sexual size dimorphism in two *Pelobates fuscus* populations" - poster
15. 21st International Conference on Subterranean Biology (Košice, Slovakia): Plăiaşu R, **Băncilă RI**, Munteanu CM (2012) "Environmental features influencing the harvestmen population dynamics in caves" - poster
16. 3rd Annual Zoological Congress of Grigore Antipa Museum (Bucharest, Romania): Nițu E, Nae A, **Băncilă RI**, Popa I, Giurginca A, Plăiaşu R, Nae I (2011) "Arthropod community structure and environmental correlates in the mesovoid shallow substratum of scree habitat in the „Piatra Craiului" National Reserve, Romania" - oral presentation
17. 15th European Congress of Herpetology (Kusadasi, Turkey): Cogălniceanu D, Plăiaşu R, **Băncilă RI**, Samoilă C, Hartel T (2009) "Habitat availability and habitat use in an alpine amphibian community" - poster
18. 1st Annual Zoological Congress of Grigore Antipa Museum (Bucharest, Romania): **Băncilă RI**,

Plăiaşu R, Ionescu M, Cogălniceanu D (2009) “Effect of gender and age on fluctuating asymmetry in plastron scutes of *Testudo graeca*”- poster

19. 1st Annual Zoological Congress of Grigore Antipa Museum (Bucharest, Romania): Plăiaşu R, **Băncilă RI**, Samoilă C, Cogălniceanu D (2009) “Distribution and habitat use by amphibian communities in Retezat National Park” - poster
20. Evolutionary islands 150 years after Darwin Symposium (Leiden, Netherlands): **Băncilă RI**, van Gelder I, Rotteveel E, Loman J, Arntzen JW (2009) “Fluctuating asymmetry as a function of isolation in two *Podarcis* species in Ria de Arosa Archipelago” - poster
21. Balkan Environmental Association (B.E.N.A) International Conference, Management and Sustainable Marine Development (Mamaia, Romania): **Băncilă RI**, Cogălniceanu D, Plăiaşu R, Tudor M (2008) “The use of species accumulation curves in establishing of sample size: a case study using herpetofauna” - poster
22. Balkan Environmental Association (B.E.N.A) International Conference, Management and Sustainable Marine Development (Mamaia, Romania): Plăiaşu R, Samoilă C, **Băncilă RI**, Cogălniceanu D (2008) “Amphibian distribution in Retezat National Park and Hateg Geopark (Romania)” - poster
23. 1st International Conference Environment - Natural Sciences - Food Industry in European Context (Baia Mare, Romania): Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T, Tudor M (2007) “The herpetofauna of the Maramureş Mountains Natural Park” - oral presentation
24. Homage Session 85 years after the establishment of Speleology Institute “Emile Racovitza” (Bucharest, Romania): **Băncilă RI**, Plăiaşu R (2006) Conservation status of *Niphargus valachicus* (Bobreanu & Manolache 1933) - oral presentation

Courses

- 2018: Introduction to Frequentist and Bayesian mixed (Hierarchical) models course in (Glasgow, Scotland).
- 2016: Bayesian integrated population modeling (IPM) using BUGS and JAGS workshop (Logan, Utah, SUA).
- 2014: Bayesian population analysis using WinBUGS course (Sempach, Switzerland).
- 2014: Matrix population models for population conservation and management course (Montpellier, France).
- 2014: Modeling patterns and dynamics of species occurrence course (Mallorca, Spain).
- 2009: Molecular Biology and training in the running of microsatellites Course (Leiden, The Netherlands).