

CURRICULUM VITAE

Informații personale:

Nume: **BĂNCILĂ RALUCA IOANA**

Data și locul nașterii: Vălenii de Munte, România, 28 Noiembrie 1982

Naționalitate: Română

Adresa oficială: Str. 13 Septembrie, Nr. 13, 050711,

București, România

Tel: 044 318 81 32

Fax: 044 318 81 32

E-mail: bancila_ralucaioana@yahoo.com



Domenii de cercertare și specializare:

Ecologia populațiilor, metode statistice cantitative, dinamica populațiilor, conservarea biodiversității

Educație și formare:

- 2007 - 2012: Facultatea de Științe ale Naturii și Științe Agricole, Universitatea Ovidius, Constanța, România, titlul obținut: 2012 - Doctor în Biologie
- 2005 - 2007: Facultatea de Biologie, Universitatea din București, România, titlul obținut: 2007 - Master în Taxonomie și Conservarea Biodiversității
- 2001 - 2005: Facultatea de Biologie, Universitatea din București, România, titlul obținut: 2005 - Licențiat în Ecologie și Protecția Mediului

Experiență profesională:

- 2005 - 2008: Asistent cercetare la Institutul de Speologie "Emil Racoviță" al Academiei Române, Departamentul de Biospeologie și Edafobiologia Carstului, București, România
- 2011 - 2015: Cercetător asociat la Facultatea de Științe ale Naturii și Științe Agricole, Universitatea Ovidius, Constanța, România
- 2009 - 2014: Cercetător științific la Institutul de Speologie "Emil Racoviță" al Academiei Române, Departamentul de Biospeologie și Edafobiologia Carstului, București, România
- 2013 - 2014: Cercetător asociat la Institutul de Biologie Evoluționară și de Studii de Mediu, Universitatea Zurich, Elveția
- 2015 - prezent: Cercetător științific III la Institutul de Speologie "Emil Racoviță" al

Academiei Române, Departamentul de Biospeologie și Edafobiologia Carstului,
București, România

Publicații:

Peer-reviewed

Băncilă RI, Pradel R, Choquet R, Plăiașu 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*, doi:10.1111/een.12645.

Plăiașu 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.

Manu M, **Băncilă RI**, Onete M (2018) Importance of moss habitats for mesostigmatid mites (Acari: Mesostigmata) in Romania. *Turkish Journal of Zoology* (available online 10.09.2018) DOI: 10.3906/zoo-1712-6

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* 17: 2071-2081.

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.

Cogălniceanu D, **Băncilă RI**, Plăiașu R, Roșioru 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.

Buhaciuc E, Szekely P, **Băncilă RI**, Cogălniceanu D (2017) Food availability influences postmetamorphic growth in two spadefoot toad species (genus *Pelobates*). *Amphibia-Reptilia* 38: 41-48.

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.

Plăiașu 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

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.

Manu M, **Băncilă RI**, Iordache V, Onete M (2016) Impact assessment of heavy metal pollution on soil mite communities (Acari: *Mesostigmata*) from Zlatna Depression – Transylvania. *Process Safety and Environmental Protection* (available online, 16 June 2016).

Moga CI, Samoilă C, Öllerer K, **Băncilă RI**, Réti K-O, Craioveanu C, Poszet S, Rákósy, 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.

Băncilă RI, Ozgul A, Hartel T, Sos T, Schmidt BR (2015) Direct negative density-dependence regulating the population dynamics of a pond-breeding frog. *Ecography* 39: 449 - 455.

Manu M, Iordache V, **Băncilă RI**, Bodescu F, Onete M (2015) The influence of environmental variables on soil mite communities (Acari: Mesostigmata) from overgrazed grassland ecosystems-Romania. *Italian Journal of Zoology* 83: 89-97.

Băncilă RI, Cogălniceanu D, Plăiașu R, Tudor M, Cazacu C, Hartel T (2014) Comparative performance of incidence based species richness estimators in herpetofauna inventory. *Ecological Indicators* 45: 219– 226.

Buică G, **Băncilă RI**, Tudor M, Plăiașu R, Cogălniceanu D (2014) The injuries on tortoise shells' as a depository of past human impact. *Italian Journal of Zoology* 21: 287 - 297.

Nitzu E, Nae A, **Băncilă RI**, Popa I, Giurginca A, Plăiașu R (2014) Scree habitats: ecological function, species conservation and spatial-temporal variation in the arthropod community. *Systematics and Biodiversity* 12: 1 - 11.

Hartel T, Sos T, Popescu V, **Băncilă RI**, Cogălniceanu D, Rozyłowic L (2014) Amphibian conservation in traditional cultural landscapes: the case of Central Romania. *North-Western Journal of Zoology* 10: S51 - S61.

Manu M, Onete M, **Băncilă RI** (2014) The effect of heavy metals on mite communities (Acari - *Gamasina*) from urban parks – Bucharest, Romania. *Environmental Engineering and Management Journal* 143: 30 - 41.

Cogălniceanu D, Székely P, Székely D, Roșioru 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.

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.

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.

Plăiașu 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 - 366.

Cogălniceanu D, **Băncilă RI**, Plăiașu 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 - 366.

Băncilă RI, Plăiașu R, Tudor M, Samoilă C, Cogălniceanu D (2012) Fluctuating Asymmetry in the Eurasian Spur-Thighed Tortoise, *Testudo graeca iberica* Linnaeus, 1758

(Testudines: *Testudinidae*). *Chelonian Conservation and Biology* 11: 234 - 23.

Plăiașu 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.

Hartel T, **Băncilă RI**, Cogălniceanu D (2011) Spatiotemporal variability of aquatic habitat use by amphibians in a hydrologically modified landscape. *Freshwater Biology* 11: 2288 – 229.

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.

Băncilă RI, Hartel T, Plăiașu 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.

Indexate în reviste BDI

Vlaicu M, Munteanu CM, Giurginca A, Goran C, Marin C, Plăiașu R, **Băncilă RI**, Tudorache A (2010) Geological and ecological assessment of the exposure degree of the Zăton-Bulba karst system (Mehedinți Plateau) to the anthropogenetic hazards: intrinsic vulnerability and biodiversity study. *Travaux de l'Institut de Spéleologie "Emile Racovitza"* 49: 149 – 164

Plăiașu 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

Plăiașu 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.

Plăiașu R, **Băncilă RI**, Samoilă C. (2009) Opilioniide din Parcul Național Munții Măcin. *Scientific Studies and Research. Series Biology, Bacău* 17: 71 – 73.

Băncilă RI, Plăiașu 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

Băncilă RI, Plăiașu R (2009) Sampling efficiency of pitfall traps and Winkler extractor for inventory of harvestmen (Arachnida: *Opiliones*). *Travaux de l'Institut de Speologie "Emile Racovitza"* t. XLVIII: 59 – 67

Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T (2008) The current distribution of herpetofauna in Maramureș County and Maramureș Mountains Natural Park, Romania. *Transylvanian Review of Systematical and Ecological Research* 5: 189 – 200

Plăiașu R, **Băncilă RI** (2008) The harvestmen fauna (Arachnida: *Opiliones*) from the Maramureș Mountains Natural Park. *Transylvanian Review of Systematical and Ecological Research* 5: 59 – 62

Plăiașu 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

Alte publicații

Plăiașu R, **Băncilă RI**, Cogălniceanu D (2010) Body size variation in *Rana temporaria* populations inhabiting extreme environments. *Analele Universității Ovidius, Seria Biologie-Ecologie* 14: 121 – 126

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

Vlaicu M, Munteanu CM, Goran C, Marin C, Giurgincă A, Plăiașu 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)

Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T, Tudor M (2007) The herpetofauna of the Maramureș Mountains Natural Park. *Proceeding of the 1st International Conference Environment - Natural Sciences - Food Industry in European Context*, Baia Mare, România

Referent științific:

Pentru următoarele reviste științifice: *Amphibia – Reptilia, Journal of Herpetology, Herpetological Journal, Chelonian Conservation and Biology, Contributions to Zoology, Ecological Indicators*

Limbi străine cunoscute:

- Română – limba maternă
- Engleză – nivel avansat
- Franceză – nivel intermediar
- Italiană – nivel începător
- Spaniolă – nivel începător

Burse internaționale:

- August - Septembrie 2016: Bursă Temminck la Naturalis Biodiversity Centre, Leiden, Olanda: "Analysis of asymmetry in 3D vs 2D geometric morphometrics across spatiotemporal isolated lizard populations"
- Octombrie - Decembrie 2015: Bursă Postdoctorală la Centre of Evolutionary and Functional Ecology, Montpellier, Franța "The demographic drivers of population dynamics in troglomorphic species"
- Februarie 2013: Bursă Synthesys (European Union funded Integrated Infrastructure Initiative - Synthesys Program) la Royal Institute of Natural Sciences, Brussels,

Belgia: "Patterns of plastron shape asymmetry in captive populations - a case study in *Testudo graeca*"

- 2012: Bursă Synthesys (European Union funded Integrated Infrastructure Initiative - Synthesys Program) la Naturalis Biodiversity Centre, Leiden, Olanda: "Shape and symmetry of the cranium corrected for size and age - a high resolution 3D geometric morphometric analysis across isolated lizard populations"
- Septembrie - Noiembrie 2010 și Mai - Iulie 2011: Bursă Martin la Naturalis Biodiversity Centre, Leiden, Olanda: "Molecular genetic variation in *Triturus* newts"
- Ianuarie - Aprilie 2010: Bursă Martin la Naturalis Biodiversity Centre, Leiden, Olanda: "Fluctuating asymmetry and genetic variability depauperation as a consequence of population isolation in lizards"
- Februarie - Mai 2009: Bursă Martin la Naturalis Biodiversity Centre, Leiden, Olanda: "Fluctuating asymmetry as a function of spatial and temporal isolation: a geometric morphometrics approach in lizards"
- 2008: Bursă Synthesys (European Union funded Integrated Infrastructure Initiative - Synthesys Program) la Naturalis Biodiversity Centre, Leiden, Olanda: "Fluctuating asymmetry as a function of spatio-temporal isolation in lizards"

Proiecte și granturi de cercetare

- 2018 - 2020: INTERASPA – 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 – participant
- 07 – 13 Octombrie 2018: Mobility Grant PN-III-P1-1.1-MC-2018-0681 pentru participarea la cursul: "Introduction to Frequentist and Bayesian mixed (Hierarchical) models" în Glasgow, Scoția – director de proiect
- 04 – 13 Septembrie 2018: eLTER H2020. Integrated European Long-Term Ecosystem and Socio-ecological Research Infrastructure: "Impact of land use on taxonomic and functional diversity of arthropods" - director de proiect
- 10 Ianuarie – 9 Februarie 2018: Mobility Grant PN-III-P1-1.1-MC-2017-1500 pentru acces la infrastructură la Fresh water and Oceanic science unit of research, Laboratory of Fish and Amphibian Ethology, Universitatea din Liege, Belgia - director de proiect
- 2017-2018: Grant Bilateral România – Valonia: "Adaptive strategies in amphibians under environmental stress" – director de proiect pentru ISER ca instituție parteneră
- 2015 - 2017: Proiect CNCS – UEFISCDI nr. PN II - RU - TE - 2014 - 4 - 1536 (28/01.10.2015): "Distribution, occupancy, site selection for breeding and life history of troglomorphic species in hypogean versus epigean habitats" (550 000 lei) - director de proiect

- 2016: eLTER H2020. Integrated European Long-Term Ecosystem and Socio-ecological Research Infrastructure: “Assessing the impact of dryness on harvestmen (*Opliliones*) from Montado (Portugal)” - participant
- 2015 - 2016: Grant finanțat de Islanda, Liechtenstein și Norvegia în cadrul RO02 Program – “Biodiversity and ecosystem services”: “Restoration strategies of the degraded peatland ecosystems from Romania (PeatRO)” - participant
- 2011 - 2016: Proiect CNCSIS 182/2011: “Is range limited by life history, environmental conditions or biogeographical barriers? A study case using spadefoot toads (genus *Pelobates*)”- participant
- 2011 - 2013: Grant UEFISCDI, PN-II-RU-PD-2011-3-0088: “Factors influencing the habitat use by harvestmen communities (Arachnida: *Opiliones*) in Mehedinti Plateau Geopark” - participant
- 2010: Grant în Lapland, Finlanda, finanțat de EU Lapbiat program: “Life history trade-offs and adaptations of ectotherms in the arctic” - participant
- 2005 - 2009: Grant CNCSIS 88 GR/2006: “Romanian karst and impervious terrains vulnerability. Criteria establishment and terrains assessment” - participant
- 2006 - 2007: Grant UNDP/GEF nr. 41462: “Strengthening Romania's Protected Area System by demonstrating public-private partnership in Romania's Maramureș Nature Park” - voluntar
- 2006 - 2008: Grant CEEEX – NATFORMAN Nr. 3878/2006: “Structure and dynamic of natural forestry ecosystems, support for the substantiation of forestry measurements appropriate to nature and toward a lasting administration of forests”- participant
- 2006 - 2007: Grant UNDP/GEF Nr. 47111: “Flora and fauna inventory, characterization and mapping of habitats and assessment of interest species populations for conservation” - voluntar
- 2005: Grant Rufford: “Amphibian and butterfly species inventory in the future Hațeg Geopark, Romania” - voluntar
- 2004 - 2006: Grant CNCSIS/1114: “Evaluation of the impact of global changes along an altitudinal gradient on *Rana temporaria* from Retezat National Park”- voluntar

Conferințe și simpozioane internaționale:

- Simpozionul de Biospeologie și Carstologie Teoretică și Aplicată (Băile Herculane, România) Plăiașu R, **Băncilă RI** (2018): Influence of photoperiod, food and habitat on growth rate, body condition and fluctuating asymmetry of *Salamandra salamandra* – poster

- Simpozionul de Biospeologie și Carstologie Teoretică și Aplicată (Băile Herculane, România) **Băncilă RI**, Csorba G, Dragu A (2018): Coexistence of three sympatric horseshoe bat species causes ecological sexual dimorphism and character displacement in trophic traits – poster
- Workshop-ul de Modelare Matematică în Probleme de Mediu și Științele Vieții cu titlul Un forum internațional de matematică aplicată și industrial (Constanța, România) **Băncilă RI** (2018) Utilizarea modelelor de capturare-recapturare pentru a explica imigrarea / emigrarea speciilor cavernicole – prezentare orală
- 10th Annual Zoological Congress of “Grigore Antipa” Museum (București, România) **Băncilă RI**, Plăiașu R, Giurginca A, Nae I, Baba SC, Nae A (2018) Best sampling techniques for examining the terrestrial cave-dwelling invertebrate communities – prezentare orală
- SEH 2017 19th European Congress of Herpetology (Salzburg, Austria) Plăiașu 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
- Congresul național de speologie, ediția 45 (Tismana, România) **Băncilă RI**, Plăiașu R, Szekely D, Nae I, Stănescu F (2017): Distribuția și utilizarea habitatelor subterane de către speciile troglofile, studiu de caz: salamandra – poster
- 8th Symposium of the European Association of Acarologist (Valencia, Spania): Nae I, Nae A, Plăiașu R, **Băncilă RI** (2016) “Effects of scree habitat types on oribatid mite community structure (Acari: *Oribatida*) in Southern Carpathians, Romania” - poster
- 18th European Congress of Herpetology (Wroclaw, Polonia): 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
- 28th European Congress of Arachnology (Torino, Italia) Plăiașu R, **Băncilă RI** (2014) “Higher levels of fluctuating asymmetry in harvestmen cave populations compared to surface populations” - poster
- Amphibian Conservation Research Symposium (Londra, Anglia): **Băncilă RI** (2014) “Do density-dependent and/or independent factors regulate population dynamic? - a pond-breeding frog case study” – prezentare orală
- 15th Annual Zoological Congress of “Grigore Antipa” Museum (București, România): Plăiașu R, **Băncilă RI**, Mirea I (2013) “Factors influencing habitat use by harvestmen (*Opiliones*) in Mehedinți Plateau Geopark” - poster
- 15th Annual Zoological Congress of “Grigore Antipa” Museum (București, România): 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

- 15th Annual Zoological Congress of “Grigore Antipa” Museum (București, România): Cogălniceanu D, Székely P, Székely D, Stănescu F, Buhaciuc E, Samoilă C, Ruben I, **Băncilă RI**, Roșioru D (2013) “Life history strategies of spadefoot toads (genus *Pelobates*) - poster
- 17th European Congress of Herpetology (Veszprém, Ungaria): **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
- 17th European Congress of Herpetology (Veszprém, Ungaria): Roșioru D, Plăiașu R, **Băncilă RI**, Miaud C, Cogălniceanu D (2013) “Population structure dynamics of a common frog population at the northern limit of its range” - poster
- 17th European Congress of Herpetology (Veszprém, Ungaria): Székely P, **Băncilă RI**, Székely D, Cogălniceanu D (2013) “Variation in body size and sexual size dimorphism in two *Pelobates fuscus* populations” - poster
- 21st International Conference on Subterranean Biology (Košice, Slovacia): Plăiașu R, **Băncilă RI**, Munteanu, CM (2012) “Environmental features influencing the harvestmen population dynamics in caves” - poster
- 3rd Annual Zoological Congress of Grigore Antipa Museum (București, România): Nițu E, Nae A, **Băncilă RI**, Popa I, Giurginca A, Plăiașu 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” - prezentare orală
- 15th European Congress of Herpetology (Kusadasi, Turcia) - Cogălniceanu D, Plăiașu R, **Băncilă RI**, Samoilă C, Hartel T (2009) “Habitat availability and habitat use in an alpine amphibian community” - poster
- 1st Annual Zoological Congress of Grigore Antipa Museum (București, România): **Băncilă RI**, Plăiașu R, Ionescu M, Cogălniceanu D (2009) “Effect of gender and age on fluctuating asymmetry in plastron scutes of *Testudo graeca*” - poster
- 1st Annual Zoological Congress of Grigore Antipa Museum (București, România): Plăiașu R, **Băncilă RI**, Samoilă C, Cogălniceanu D (2009) “Distribution and habitat use by amphibian communities in Retezat National Park” - poster
- Evolutionary islands 150 years after Darwin Symposium (Leiden, Olanda): **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
- Balkan Environmental Association (B.E.N.A) International Conference, Management and Sustainable Marine Development (Mamaia, România): **Băncilă RI**, Cogălniceanu D, Plăiașu R, Tudor M (2008) “The use of species accumulation curves in establishing

of sample size: a case study using herpetofauna” - poster

- Balkan Environmental Association (B.E.N.A) International Conference, Management and Sustainable Marine Development (Mamaia, România): Plăiașu R, Samoilă C, **Băncilă RI**, Cogălniceanu D (2008) “Amphibian distribution in Retezat National Park and Hateg Geopark (Romania)” - poster
- 35th IAH Congress (Lisabona, Portugalia): Vlaicu M, Munteanu CM, Goran C, Marin C, Giurgincă A, Plăiașu R, **Băncilă RI**, Tudorache A (2007) “Multiproxy approach to vulnerability assessment of karst ecosystems from the Ponoarele test area (Mehedinți Plateau, Romania)” - poster
- 1st International Conference Environment - Natural Sciences - Food Industry in European Context (Baia Mare, România): Cogălniceanu D, **Băncilă RI**, Samoilă C, Hartel T, Tudor M, (2007) “The herpetofauna of the Maramureș Mountains Natural Park” - prezentare orală
- Homage Session 85 years after the establishment of Speleology Institute “Emile Racovitza” (București, România): **Băncilă RI**, Plăiașu R (2006) Conservation status of *Niphargus valachicus* (Bobreanu & Manolache 1933) - prezentare orală

Cursuri și stagii de pregătire

- 2016: Bayesian integrated population modeling (IPM) using BUGS and JAGS workshop (Logan, Utah, SUA)
- 2014 - Bayesian population analysis using WinBUGS course (Sempach, Elveția)
- 2014 - Matrix population models for population conservation and management course (Montpellier, Franța)
- 2014 - Modelling patterns and dynamics of species occurrence course, (Mallorca, Spania)
- 2009 - Molecular Biology and training in the running of microsatellites course (Leiden, Olanda)
- 2005 - National Stage of Biospeleology (Cărbunari-Caras-Severin, România)
- 2005 - National Stage of Karstology (Cărbunari-Caras-Severin, România)
- 2007 - National Stage of Topography (Cloșani-Gorj, România)
- 2007 - National Stage of Alpine Caving Techniques (Căput – Cluj, România)

Competențe și calificări cheie:

- *Analiza datelor:*

- multivariate statistical analysis: correspondence analysis, principal component analysis, cluster analysis, discriminate analysis
 - linear models
 - non-linear models
 - geometric morphometrics
 - model selection - AIC (Akaike Information Criterion)
 - Bayesian mark recapture models
 - Bayesian multistate space models
 - Bayesian occupancy models
 - Bayesian matrix models
- *Tehnici de biologie moleculară:*
- PCR (Polymerase Chain Reaction)
 - AFLP (Amplified Fragment Length Polymorphism)
 - Microsatellites
- *Cunostințe avansate de:*
- Microsoft Office: Word, Excel, and PowerPoint
 - Programe de analiză statistică: SPSS, MVSP, R, Mark, Presence, WinBUGS, OpenBUGS
 - Programe de morfometrie: TpsDig, TpsUtil, TpsRelw, IMP, Landmark, MorphJ
 - Programe de analiză a biodiversității: Biodiv, Ecosim, EstimateS
 - Programe de grafică și design: Corel Draw, Adobe Photoshop
 - Programe de analiza moleculară: POPGENE, RSTCALC, FSTAT, ARLEQUIN, STRUCTURE, NEWHYBRIDS, HYBRIDLAB, Fragment Profiler, MLTR, Sequence Analyzer, Sequencer, AMOVA-PREP, Mega4

Alte competențe:

- Permis de conducere categoria B

30.01.2019

