

PERSONAL INFORMATION

First name(s) / Surname(s) SANDA IEPURE
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Nationality Romanian
Date of birth 4 September 1974

RESEARCH INTEREST

Groundwater ecology, Biospeleology, Groundwater ecotoxicology, Ecohydrology of rivers ecosystems and the hyporheic zone, (Paleo)limnology

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ACADEMIC DEGREES

2002 – 2008 Doctor in Biology (PhD) Romanian Academy (*Cum laudae*)

1999 – 2001 Master of Science (MSc) in Environmental Biology Systemic Ecology and Conservation of Biodiversity, project in Groundwater ecology, Babes-Bolyai University, Cluj, Romania

1992 – 1997 Bachelor of Science (BSc) in Biology, Babes-Bolyai University, Cluj, Romania

CURRENT POSITION

2018 (October) – current **Senior Researcher**, Cavanilles Institute for Biodiversity and Evolutionary Biology, Valencia, Spain

2012 – current **Associate Researcher**, Institute of Speleology “Emil Racovita”, Romania

2018 – current **Associate Researcher**, University of Gdansk, Poland

CAREER AND EMPLOYMENT HISTORY

2012 – 2018 **Researcher**, IMDEA Water, Alcala de Henares, Spain

2011 – 2012 **Marie Skłodowska-Curie COFOUNDED Fellow**, IMDEA Water, Spain

1998 – 2014 **Researcher**, Institute of Speleology “Emil Racovita”, Cluj Napoca, Romania

SKILLS AND COMPETENCES

Expertise in groundwater and freshwater biomonitoring program design of water ecosystems (benthic, lakes, hyporheic zone of rivers and groundwater); Rivers and

groundwater ecological quality assessment; Expertise in sampling continental waters; Field recording techniques and protocols for macroinvertebrates & micro-invertebrates taxa biodiversity inventories; Quality control of surface and groundwater ecosystems; Taxonomy and ecology of freshwater invertebrates crustaceans (benthic, hyporheic zone, groundwater); Data analysis (RIVPACS, BMVP, GFI - Groundwater Fauna Index); Applied Statistics in Ecology (R, Primer v.6, Statistica, CANOCO); Paleocological investigations on alpine lakes; Arctic rivers ecology, Biospeleology.

Taxonomic expertise: groundwater cyclopoida (Crustacea. Copepoda) and ostracoda (Crustacea).

EU consultant for: DG ENVIRONMENT Framework Contract to provide services to support the development and implementation of EU Freshwater Policies, *Water for Citizens - Support to Commission policy activities on the Bathing Water, Drinking Water and Urban Waste Water Treatment Directives* (2016 – 2020).

LANGUAGES

Mother tongue: Romanian

Other language(s): English (Advanced), Spanish (Advanced), French (Basic).

TECHNICAL SKILLS AND COMPETENCES

Groundwater ecology and hyporheic zone biological monitoring

Computer skills and competences: Experience in using technical skills with application in groundwater ecology and limnology; Basic experience in CLSM, ESEM, Molecular analyses of invertebrates, Statistics (ExcelStat, SPSS, Statistica, Primer v.6), Morphometric geometry (tps-DIG, Morphomatica), grafica (e.g. Adobe Illustrator, Adobe Photoshop, ArcGis, ImageJ); Windows, ArcGis.

Driving licence: Yes

ORGANIZING COMMITTEES WORKSHOPS SYMPOSIUMS

2018 *Ice caves*, VIII International workshop, 11-16 June, 2018 Potes, Picos de Europa, Spain (Scientific Committee)

2017 *Technologies for Monitoring and Treatment of Contaminants of Emerging Concern Workshop*, Madrid, 23-24 November (Local Organizer)

2006 ESF LESC/SCSS Exploratory Workshop, *Effectiveness and gaps in European legislation concerning subterranean fauna protection and the importance of setting up a European network of protected caves*, July 9-10, 2006, Cluj Napoca, Romania (Local Organizer)

2006 *International Symposium of Biospeleology*, July 11-16, 2006 Cluj Napoca, Romania
(Local Organizer)

AWARDS

- 2019 Human Resources award for research results, The National University Research Council, Romania, PN-III-P1-1.1- PRECISI-2019- 38341.
- 2014 Acquaeeau EUREKA label - Project "WATERSENSE"
- 2012 Sepkoski Grant, [The Paleontological Society](#)
- 2013 Human Resources award for research results, The National University Research Council, Romania
- 2012 Human Resources award for research results, The National University Research Council, Romania
- 2011 Human Resources award for research results, The National University Research Council, Romania
- 2008 Human Resources award for research results, The National University Research Council, Romania
- 2007 Human Resources award for research results, The National University Research Council, Romania
- 2007 Marie Curie Grant (EU Commission) to support attendance to Time in Karst Symposium, Postojna, Slovenia
- 2002 Travel Award for students offered by the Local Organizing Committee of the 8-th International Conference on Copepoda, 21 – 26 July, 2002 Keelung, Taiwan

CONSULTANCY EU CONTRACTS

2016 – 2020 DG ENVIRONMENT “Framework Contract to provide services to support the development and implementation of EU Freshwater Policies”, *Water for Citizens - Support to Commission policy activities on the Bathing Water, Drinking Water and Urban Waste Water Treatment Directives*

SHORT-TERM GRANTS AND RESEARCH STAGES

- 2019 Mobility research stage for diaspora researchers, UEFISCDI Romania, University Babes – Bolyai, Faculty of Science and Environmental Engineering, Cluj Napoca, Romania, 1 week (PN-III-P1-1.1-MCD-2019-0175).
- 2017 OECD Postdoctoral Research Fellowship at CEAZA, La Serena, Chile, research stage, 8 weeks
- 2016 CNR Firenze, Italy, short term research stage in groundwater ecotoxicology (1 week)
- 2011 – 2012 Marie Curie Postdoctoral Fellow, IMDEA Water Institute, Spain

2011 University of Gdansk, Department of Genetics, Poland (2 weeks)

2010 **Synthesis grant** National Museum of Natural History, Madrid, Spain, European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2009 **Synthesis grant** National Museum of Natural History, Madrid, Spain, European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2009 **Synthesis grant** National Museum of Natural History, Brussels, Belgium, European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2008 **Synthesis grant** National Museum of Natural History, Madrid, Spain, European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2007 **Synthesis grant** National Museum of Natural History, Warsaw, Poland, European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2007 **Synthesis grant** Museum of Natural History, Paris, France European Community Research Infrastructure Action under the FP7 Capacities Program (1 month)

2002 – 2006 Austrian Academy of Sciences at Institute fur Limnology, Mondsee, Austria (Groundwater Ecology Department) (2 months)

STUDENTS SUPERVISION

PhD Thesis supervision

Ruben Rasines Ladero. ***The ecology of the hyporheic zone associated with the rivers Henares and Tajuña (Jarama River Basin, Spain)***. PhD Thesis at University Rey Juan Carlos, Madrid and IMDEA Water Alcala de Henares, Spain. Supervisor: 2012 – 2017.

ERASMUS students

Jowita Baran, ***Life history traits and shape/size variation of freshwater ostracods and their application to toxicity testing***. University of Gdansk, Poland (15 January – 15 March 2018)

Student research stages supervision

1. Andrea Castaño, **Groundwater ecotoxicity**. Pre-doctoral research stage, IMDEA Water, Spain. Supervision: 2015- 2017
2. Anna Sundborg, **Groundwater ecology**. Pre-doctoral research stage, IMDEA Water, Spain. Supervision: 2015-2016
3. Ruben Rasines Ladero, **Hyporheic zone ecology**. Pre-doctoral research stage, IMDEA Water, Spain. Supervision: 2011-2012.

Master student's supervision

1. **Pharmaceutical compounds of human consumption in groundwater**. Veronica Agueda. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. Supervisor: 2016 – 2017.
2. **Evaluation of spatial distribution of groundwater fauna at local scale using GIS**. Alvaro Vasquez Gonzales. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. Supervision: 2015 – 2016.
3. **Analysis of groundwater habitats at spatial and temporal scales in aquifers from the fluvial corridor of Tajuña and Henares Rivers, central Spain**. Daniel Martinez. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. Supervisor: 2015 – 2016.
4. **Analysis of the hyporheic habitats of the Henares and Tajuña Rivers, central Spain**. Alicia Munoz Serrano. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. Supervisor: 2015 – 2016.
5. **Ecology and hyporheic zone fauna of the Tajuña River (central Spain): biosiversity and spatial distribution**. Eder Garcia. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. Supervision: MsC Student, UAH, Spain. Supervisor: 2013 – 2014.
6. **Evaluation of the ecological status using benthic invertebrates: the case study of Henares River**. Ruth Fuentes Alvarez. Hydrology and Water Resource Management Master (M059), University of Alcala, Spain. MsC Students, UAH, Spain. Supervisor: 2011 – 2012.

Bachelor student's research stages supervision

7. Paolo Cassetari. Research stage in Groundwater ecology, University of Alcala, Spain. Supervisor: 2013 (2 months).

8. Ilan Chocron. Research stage, Rey Juan Carlos University, Madrid, Spain. Supervisor: 2013 – 2014 (3 months).
9. Sara Rozas Cabanillas. Research stage in Groundwater ecology, University of Alcala, Spain. Supervisor: 2013 (6 months).
10. Rosa Lorente. Research stage in Hyporheic zone ecology, Rey Juan Carlos University, Madrid, Spain. Supervisor: 2013 – 2014.
11. Laura Cuevas, Research stage in Groundwater ecology, University of Alcala. Supervision: 2012 – 2013.
12. Marta Gonzales La Torre. Research stage in Groundwater ecology, University of Alcala. Supervision: 2012.
13. Carla Quispe, Research stage in Groundwater ecology, University of Alcala. Supervision: 2011 – 2012.
14. Amelia Roman. Research stage in Groundwater ecology, University of Alcala. Supervision: 2011 – 2012.

TEACHING EXPERIENCE

2015 Ecotoxicological risks assessment of pharmaceuticals from urban and hospital wastewater on aquatic ecosystems (Workshop REMTAVARES, Madrid, 26 - 27 November)

2011 - 2015 Master Hydrology and Water Resources Management, University of Alcala, Spain, Bioindicators

PHD ASSESSMENT (JURY)

2019 David Mostaza, University Rey Juan Carlos, Madrid, Spain

2016 Louis Vals, University of Valencia, Spain

EXPEDITIONS

2019 Ordesa and Monte Perdido National Park, cave fauna exploration (3 days)

2019 Picos de Europa, Ice caves exploration and biota research (1 week)

2018 Picos de Europa, Ice caves exploration and biota research (1 week)

2018 Aktru Research Station, Altai Mountains, Russia (10 days)

2017 Picos de Europa, Ice caves exploration and biota research (1 week)

2017 Kalkalpen Natural Park, Postojna Cave (3 weeks)

2014 Tarfala Research Station, Arctic, Sweden (3 weeks), INTERACT program
2013 Madeira Island, Portugal (1 week)
2013 Frasassi Cave Complex, Italy (10 days)
2009 Sardinia Island, Urzulei, Cave camp research (1 week)
2009 / 2008 Majorca Island, Caves research project (2 weeks)
2005 / 2008 Postojna, Slovenia (Karst Research Institute) (2 weeks)

RESEARCH GRANTS

24. 2019 **PIRAGUA**. Pyrenean Climate Change Observatory. Interreg V-A Spain France Andorra programme (POCTEFA 2014-2020) (Principal investigator, Santiago Beguería, CSIC, Spain).

23. 2019 **AQUACOSM** Multi-site climate change experiment (flooding, warming and drought) from semi-arid regions to mountain-top locations across the Iberian Peninsula (Project lead: Miguel Matias and Miguel Araújo, EU H2020-INFRAIA – project No. 731065).

22. 2018 - 2020 **METACOM** Metacommunities and biodiversity patterns in temporary ponds: a Tropical-Mediterranean comparison (CGL2016-78260-P) (Postdoctoral contract) (PI: Francesc Mesquita-Joanes, Cavanilles Institute of Biodiversity and Evolutionary Biology / University of Valencia, Spain).

21. **2018 BIO-CLIM**, Riverine invertebrates as biological indicators of climate driven changes along environmental gradient within the glacierized Kuray watershed in Altai, Russia. International Network for Terrestrial Research and Monitoring in the Arctic, INTERACT, H2020 European Union funding for Research & Innovation (Team member) (Principal coordinator: Tadeusz Namiotko, University of Gdansk, Poland). 4.500 €

20. 2014 - 2018 **REMTAWARES**, Madrid's Network for Advanced Wastewater Treatment (S2013/MAE-2716), (Principal coordinator for IMDEA Water; PI: Fernando Martinez Castillejo, URJC, Spain) 812.452,00 €.

19. 2013 - 2018 Groundwater ecological status assessment/surface groundwater interactions – the hyporheic zone and shallow aquifers, a hydrological and biological approach, IMDEA Water, Spain, **Principal Coordinator**.

18. 2017 **GROUND-BIODIV**, Towards the use of groundwater biodiversity as indicators for aquifers quality in agricultural watersheds: an ecological field approach (Coquimbo region, Chile). OECD, **Principal Coordinator** (4.759 €).

17. 2017 **END-OSTRACOTOX** Monitoring endocrine disruptors in surface waters of central Spain using chronic toxicity ostracod tests – a search for an innovative region-specific risk assessment (Principal coordinator: Tadeusz Namiotko) (50.000 €).

16. 2017 **CARBON-KARST**, Disentangling the carbon distribution in karst aquifers: the significance for vertical extent of groundwater biota. e-LTER H2020 program, EC (GA: 654359 – H2020, INFRAIA) **Principal Coordinator** (1.000 €).
15. 2014 – 2017 **SMART-HYDRO** Intelligent system to optimize the use of water in agriculture, RTC-2014-2367-5, Ministry of Economy and Competitiveness, Spain, (Team member) (Principal Coordinator IMDEA Water: Francisco Carreño Conde, URJC, Spain). 952.595,03 €
14. 2016 – 2017 **MadridERN2016-2017** Researchers, moving Europe forward. Meet them, join them! H2020-MSCA-NIGHT-2016 (721631), Foundation Madri+d.
13. 2014 – 2015 **MadridERN2014-2015** European Researchers' Night (H2020-MSCA-NIGHT-2014No. 633161).
12. 2014 **ARCTICOSCOP**, Arctic ostracods and copepods of the hyporheic zone in Swedish Lapland – assemblages' resilience and shell chemistry. International Network for Terrestrial Research and monitoring in the Arctic, INTERACT. H2020 European Union funding for Research & Innovation. **Principal Coordinator** (3.700 €).
11. 2011 - 2013 The lacustrine ostracods assemblage – archive in paleoclimate reconstruction in the last 150,000 years in Romania, University Babes Bolyai Cluj Napoca, Romania. **Principal Coordinator** (220,800 €).
10. 2009 – 2012 Sobre la naturaleza científica de las hipótesis taxonómicas. Visualización y representación; CGL2009-08943, Museo Nacional de Ciencias Naturales, Madrid, Spain. (Team member) (Principal Coordinador: Antonio Huelin Valdecasas, MNCN, Spain).
9. 2009 – 2010 Morphological variability and molecular divergence of an ostracod group *Pseudocandona eremite* s.l. (Vejdowsky) (Crustacea: Ostracoda) from groundwater in Romania. (Team member) (Principal Coordinator, Tadeusz Namiotko, University of Gdansk, Poland).
8. 2007 – 2010 **MODEL-ACVASUB** Modeling of the heavy metal pollution upon the aquifers by the complex study of the groundwater fauna and GRID system monitoring. Ministry of Research and Technology, Romania (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology, Romania).
7. 2007 – 2010 **EPIKARST** Complex modeling of the pollutants transfer from the ecoton area of the epikarst, Ministry of Research and Technology, Romania CNCSIS 2325/2009 (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology, Romania).

6. 2009 Biodiversity of subterranean fauna of Karlovac County, EU Phare project, Coordinator: Croatian Society of Biospeleology (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology, Romania).
5. 2005 – 2007 Biodiversity and ecology of the percolation water fauna from karst areas, Bilateral Cooperation's, Slovenia-Romania (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology, Romania).
4. 2006 European Science Foundation Exploratory Workshop EW05-073 on „Effectiveness and gaps in the European legislation concerning subterranean fauna protection and the importance of setting up a European network of protected caves (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology “Emil Racovita”, Romania).
3. 2003 – 2005 Morphologic diversity at the population level of cyclopids and ostracods from groundwater, Ministry of Research and Technology, Romania, 446/2003. **Principal coordinator.**
2. 2002 – 2004 Fauna Europaea FP5 Europe, EVR1-CT-1999-20001 FAUNA, (Team member) (Principal Coordinator, Oana Moldovan, Institute of Speleology, Romania).
1. 2000 - 2001 Influence of heavy metals and cyanide from surface water on the groundwater community fauna from Aries river basin (middle part). Ministry of Research and Technology, Romania, 28/2000. **Principal Coordinator** (12.000 €).

CONSULTANT

1. 2016 - 2020 DG ENVIRONMENT Framework Contract to provide services to support the development and implementation of EU Freshwater Policies, *Water for Citizens - Support to Commission policy activities on the Bathing Water, Drinking Water and Urban Waste Water Treatment Directives.*
2. 1999 – 2001 Alternatives for biodiversity conservation of cave fauna from Rosia-Remetea, Padurea Craiului Mountains, Romania, 2006-2007 (Centre for protected areas and sustainable development Bihor, Romania, GEF).

LECTURES, CONFERENCES AND SEMINARS

(the last 10 years)

40. Martínez, A., Bisquert-Ribes, M., Castillo-Escrivà, A., Gálvez, A., **Iepure, S.**, de Manuel, B., Marinho, M., Martins, F., Olmo, C., Armengol, X., & Mesquita-Joanes, F. 2020. Study of the dynamics of recolonization of Mediterranean temporary ponds from the egg bank, AIL, Murcia, July 2020.

39. Bisquert-Ribes, M., Martínez, A., Castillo-Escrivà, A., Gálvez, A., **Iepure, S.**, de Manuel, B., Marinho, M., Martins, F., Olmo, C., Armengol, X., Mesquita-Joanes, F. 2020. Evaluation of the diversity of aquatic invertebrates in temporary ponds: comparison between the active community and the egg bank AIL, Murcia, July 2020.
38. Gálvez, Á., Aguilar-Alberola, J. A., Armengol, X., Bonilla, F., **Iepure, S.**, Monrós, J.S., Olmo, C., Rojo, C., Rueda, J., Rueda, R., Sasa, M., Mesquita-Joanes, F. Time also matters: a multi-taxon approach to the relative role of environment, space and time on the structure of a tropical temporary pond metacommunity AIL, Murcia, July 2020.
37. **Iepure, S.**, T. Di Lorenzo, 2019. Groundwater ecosystems & climate change: impact and challenges. National Symposium „Environment & Progress”, 15 November 2019, Cluj Napoca, Romania.
36. **Iepure, S.**, N. Gouin, A. Bertin, A.I. Camacho, A. González-Ramón, T. Di Lorenzo, 2019. Groundwater fauna in the glacial aquifers of a semi-arid region of Coquimbo, north-central Chile: potential indicators for water quality. National Symposium „Environment & Progress”, 15 November 2019, Cluj Napoca, Romania.
35. **Iepure, S.**, A. Vasquez Gonzales, A. Yerofeyev, A.I. Camacho, L. Boron, T. Namiotko. 2019. Living on the edge: exploring the glacial influence on succession of hyporheic and benthic invertebrates in Aktru River (Altai Mountains, Russia), Life and Earth Sciences and Sustainable Global and Regional Development (AKTRU 2019) International Symposium, Altai Mountains, Russia, July 8-19, 2019.
34. Kijowska M., A. Wysocka, A. Kilikowska, N. Mori, **S. Iepure**, T. Namiotko, 2019. The taxonomy of Candoninae (Ostracoda): molecular insights into a difficult problem. 9th European Ostracod Meeting (EOM), 19 – 23 July, Gdansk, Poland.
33. **Iepure, S.**, A. Galvez, A. Castillo-Escriva, C. Olmo, J. Rueda, X. Armengol, F. Mesquita-Joannes, 2019. Ostracod metacommunities from Mediterranean temporary ponds: regional variations and driving factors. 9th European Ostracod Meeting (EOM), 19 – 23 July, Gdansk, Poland.
32. Hose G.G., Di Lorenzo, T., Di Marzio W.D., Fiasca B., Galassi D.M.P., Korbel K., **Iepure S.**, Pereira J.L., Reboleira A.S.S.P., Schmidt S.I. 2019. Recommendations for ecotoxicity testing with stygobiotic species in the framework of groundwater environmental risk assessment. SETAC, July 2019, Australia.
31. **Iepure S.**, L. Kovac, 2018. Ice caves fauna – a concise review. VIII International workshop on Ice caves, 11-18 June Potes, Picos de Europa, Spain.
30. Sanchez J., Hivert B., Millan J.M., Cerdeño R., Gomez-Lende M., Jorda-Bordehore I., **Iepure S.**, Pando F., 2018. Speleological works in the ice caves of Picos de Europa

National Park (Cantabria, Spain) Camaleño – Macizo Central. VIII International workshop on Ice caves, 11-18 June Potes, Picos de Europa, Spain.

29. **Iepure S.**, N. Gouin, A. Bertin, A.I. Camacho, A. González-Ramón, T. Di Lorenzo, 2018. The use of groundwater crustacean communities as indicators for aquifers quality in the semi-arid region of north-central Chile. International Symposium of Subterranean Biology, 20 – 24 August 2018, Aveiro, Portugal.

28. Castano, A., **Iepure S.**, T. Di Lorenzo, P. Garcia-Doncel, C. Alonso-Alonso, 2017. Ecotoxicological effects of hospital wastewater treated waters and pharmaceutical metabolites on *Daphnia magna* and *Chlorella vulgaris*: an integrated experimental approach. Workshop on Technologies for monitoring and treatment of Contaminants of Emerging Concern, 23-24 November 2017, Madrid, Spain.

27. Namiotko, T., Á. Vázquez-González, A. Kilikowska, A. Castaño-Sánchez, L. Nozal, **S. Iepure**, 2017. Testing toxicity of endocrine disrupters on development and reproduction of freshwater Ostracoda. Workshop on Technologies for monitoring and treatment of Contaminants of Emerging Concern, REMTAVARES, 23-24 November 2017, Madrid, Spain.

26. Namiotko, T., **S. Iepure**, A. Montanari, 2017. Mid-Pleistocene to Recent ostracod record in slack water deposits of the Frasassi gorge and cave system as a prospective proxy for palaeoenvironmental reconstruction. 250 Million Years of Earth History in Central Italy Conference, 24-29 September 2017, Airolo, Italy.

25. Namiotko, T., **Iepure S.**, Castaño, A., Nosal-Martínez L., 2017. Testing toxicity of endocrine disrupters on development and reproduction of freshwater Ostracoda, 18th International Symposium on Ostracoda, August 27 – 31, Santa Barbara California, USA.

24. Wysocka, A., Kilikowska, A., N. Mori, **Iepure S.**, T. Namiotko, 2017. Getting stuck in a sticky ground: molecular insights into the taxonomy of Candoninane (Ostracoda) with diagnosis of a new tribe. 18th International Symposium on Ostracoda, August 27 – 31 Santa Barbara California, USA.

23. Vázquez-González, Á., Namiotko, T., **S. Iepure**, 2017. Hatching success of a non-marine ostracod *Heterocypris incongruens* exposed to intense electric and magnetic fields (50 Hz) 18th International Symposium on Ostracoda, August 27 – 31 Santa Barbara California, USA.

22. **Iepure S.**, Sundberg A., A. Vázquez-González, D. Mostaza Colado, F. Carreño, 2016. Groundwater ecosystem services & agriculture: an ecological approach towards the sustainable use of artificially recharged aquifers. Watershed Technology Conference, December 3-9, Quito, Ecuador.

21. **Iepure S.**, Castaño A., T. Di Lorenzo, P. García-Doncel P., C. Alonso-Alonso, A. Petre. 2016. Human pharmaceutical compounds in aquatic ecosystems – the significance of ecotoxicological approach. Watershed Technology Conference, December 3-9, Quito, Ecuador.
20. Rasines-Ladero, R., R. Meffe, F. Carreño, D. Mostaza, A. Sundberg, **S. Iepure**, 2016. Ostracods and copepods (Crustacea): diversity and distribution as indicators for the aquifer types and boundaries determination (Tajo Basin, central Spain). Watershed Technology Conference, December 3-9, Quito, Ecuador.
19. Mostaza, D., F. Carreño, M. Leal-Leca, **S. Iepure**, R. Rasines-Ladero, A. Sundberg, 2016. Effects of agriculture in the hydrology of an alluvial aquifer: differences between groundwater exploited and induced infiltration areas. Watershed Technology Conference, December 3-9, Quito, Ecuador.
18. Castaño, A., **Iepure, S.**, Di Lorenzo, T., García-Doncel, P., Alonso Alonso, C, Petre, A., 2016. Testing the acute toxicity of human pharmaceutical compounds on groundwater (*Diacyclops crassicaudis crassicaudis* Sars, 1863) and surface crustacean species (*Daphnia magna*) Muller, 1785. XVIII Congress of the Iberian Association of Limnology, Tortosa, Spain, 4-8 July, 2016.
17. Rasines, R., Meffe, R., Carreño, F., Mostaza, D., Sundberg, A., **Iepure, S.**, 2016. Patterns of groundwater copepods and ostracods biodiversity and distribution in relation to aquifer types in Central Spain: hydrogeology vs. environmental factors. XVIII Congress of the Iberian Association of Limnology, Tortosa, Spain, 4-8 July, 2016.
16. **Iepure, S.**, T. Di Lorenzo, A. Castaño, F. Carreño, J. Lillo, 2016. Land cover in karst terrains – review of impacts on karst aquifer ecosystems from temperate and Mediterranean ecoregions. I International Conference on Research for Sustainable Development in Mountain Regions, ICIMOD 5 - 7 October, Braganza, Portugal.
15. Iepure, S., 2015. Preliminary results of pharmaceutical compounds ecotoxicity on target freshwater species, Workshop REMTAVARES, 26 - 27 November 2015, Madrid, Spain.
14. **Iepure, S.**, A. Wysocka, S. M. Sarbu, T. Namiotko, 2014. Homeomorphy in subterranean Candoninae: Geometric morphometrics of the valve shape and molecular phylogenetic approaches applied for a new species from a chemoautotrophically based Movile Cave ecosystem, 8th European Ostracod Meeting, Turku, Estonia.
13. **Iepure, S.**, Lillo Ramos J., 2014. State of the art of hyporheic invertebrates from glacial-feed streams in two contrasted scenarios, Workshop: Ecology of Glacier Forelands. Alpine Research Centre, September 17-21, Obergurgl, Austria.

12. **Iepure, S.**, C. Marin, A. Fekete, G. Rajka, T. Brad, C. Samsudean, 2014. Ecological assessment of water quality in relation to hydrogeology in a shallow urban aquifer: Somesul Mic River aquifer (North-Western, Romania), European Geoscience Union, EGU, 27 April – 2 May, Vienna, Austria.
11. **Iepure, S.**, S. Hutchinson, T. Namiotko, A. Feurdean, 2014. 5,000 years of water level changes inferred from ostracod assemblages in a lowland lake in Romania (Central Eastern Europe), European Geoscience Union, EGU, 27 April – 2 May, Vienna, Austria.
10. **Iepure, S.**, D. Gómez Ortiz, J. Lillo Ramos, R. Rasines Ladero, A. Persoiu, 2014. Applying electrical resistivity tomography and biological methods to assess the surface-groundwater interaction in two Mediterranean rivers (central Spain), European Geoscience Union, EGU, 27 April – 2 May, Vienna, Austria.
9. **Iepure S.**, Meffe R., Rasines R., Carreño F., I. de Bustamante, 2013. Ostracoda as proxy for the environmental monitoring of shallow subsurface habitats in a contaminated detrital aquifer from central Spain. 17th International Symposium of Ostracoda, July 26 - 29, Rome, Italy.
8. Rasines-Ladero, R., **Iepure, S.**, Francisco Careño, I. de Bustamante, 2013. Subsurface crustacean communities as proxy for groundwater-surface water interactions in the Henares and Tajuña Rivers floodplains, central Spain. European Geoscience Union, EGU, April 7 - 12, Vienna, Austria.
7. Rasines-Ladero R., **S. Iepure**, R. Lorente, I. Ramos-Cobos, I. Chocron Niego, 2012. Influence of habitats heterogeneity of groundwater-feed streams on hyporheic crustaceans, in a Mediterranean river basin, Iberian Peninsula, XVII Congreso de la Asociación Ibérica de Limnología, July 8, Santander, Spain.
6. Silva A.C., M. Shapouri, L. Cancela da Fonseca, L. Ribeiro, **S. Iepure**, 2012. Variação da fauna de águas subterrâneas ao longo de um gradiente de risco de salinização em aquífero costeiro. In: Proceeding of 12^o Congresso da Água, Lisboa, Portugal.
5. **Iepure, S.**, Namiotko, T., A. Montanari, E. Brugiapaglia, M. Mainiero, S. Mariani, M. Fiebig, 2012. A comparison of modern and fossil ostracods from Frasassi Cave system (northeastern Apennines, Italy) to infer past environmental conditions. Geophysical Research Abstracts, 14, EGU2012-11662-2, EGU, 22 - 27 April, Vienna, Austria.
4. **Iepure, S.**, Martinez-Hernandez, S. Herrera, I. de Bustamante R. Rasines-Ladero, 2012. Influence of land use on hyporheos in catchment of the Jarama River (central Spain). Geophysical Research Abstract, 14: EGU2012-11094 EGU, April 7-12, Vienna, Austria.

3. Peterson, D.E., D. Danielpol, K. Finger, **S. Iepure**, S. Mariani, A. Montanari, T. Namiotko, 2011. Reconnaissance of ostracode assemblages in the Frasassi Caves, the adjacent sulfidic spring and the Sentino River in the northeastern Apennines (Marche region, Italy). The Geological Society of America (GSA) Annual Meeting, 9 - 12 October, Minneapolis, USA.

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GUEST EDITOR

Moldovan, O.T, S. Iepure, 2020. Water, Issue on Research on Karst Eco-Hydrology and Sediment.

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Science popularization

<https://groundwaterecology.wordpress.com/>

INTERESTS

Paragliding, ski touring, speleology, kitesurf, traveling