

# Eglė Šidagytė-Copilas

## CONTACT INFORMATION

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Google Scholar <https://scholar.google.com/citations?user=l6tE5sIAAAAJ&hl=en&oi=ao>

## EDUCATION

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2012–2016 **PhD in Ecology and Environmental Sciences** (granted 15 June 2017). Nature Research Centre and Vilnius University. Trophic plasticity, metabolism and community effects of Ponto-Caspian peracaridans in lentic ecosystems of native and invaded ranges (supervisor – Prof. dr. Kęstutis Arbačiauskas)  
2010–2012 **MSc in Zoology**. Faculty of Natural Sciences, Vilnius University  
2006–2010 **BSc in Biology**. Faculty of Natural Sciences, Vilnius University

## PROFESSIONAL EXPERIENCE

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Since 2022 **Senior researcher**. Laboratory of Evolutionary Ecology of Hydrobionts, Nature Research Centre  
2017–2022 **Researcher**. Laboratory of Evolutionary Ecology of Hydrobionts, Nature Research Centre  
2017 **Junior researcher**. Laboratory of Evolutionary Ecology of Hydrobionts, Nature Research Centre  
2017 **Senior laboratory assistant**. Laboratory of Evolutionary Ecology of Hydrobionts, Nature Research Centre

## RESEARCH INTERESTS

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Biology and ecology of aquatic animals, with a special emphasis on malacostracan crustaceans:

- respiratory ecophysiology of malacostracan crustaceans,
- biological invasions and their impacts in aquatic ecosystems,
- patterns of macroinvertebrate assemblages

## PUBLICATIONS

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*Scientific articles published in journals indexed in Clarivate Analytics Web of Science database (with citation index)*

1. Copilaș-Ciocianu D, Sidorov D, **Šidagytė-Copilas E** (in press) Global distribution and diversity of alien Ponto-Caspian amphipods. *Biological Invasions*  
<https://doi.org/10.1007/s10530-022-02908-1>
2. **Šidagytė-Copilas E**, Arbačiauskas K (2022) A multimetric macroinvertebrate index for the assessment of the ecological status of Lithuanian rivers. *Limnologica*, 76: 126010  
<https://doi.org/10.1016/j.limno.2022.126010>
3. Copilaș-Ciocianu D, **Šidagytė-Copilas E** (2022) A substantial range expansion of alien Ponto-Caspian amphipods along the eastern Baltic Sea coast. *Oceanologia*, 64(1): 227–232  
<https://doi.org/10.1016/j.oceano.2021.09.005>
4. Makaras T, Stankevičiūtė M, **Šidagytė-Copilas E**, Virbickas T, Razumienė J (2021) Acclimation effect on fish behavioural characteristics: determination of appropriate acclimation period for different species. *Journal of Fish Biology*, 99(2): 502–512  
<https://doi.org/10.1111/jfb.14740>
5. Copilaș-Ciocianu D, Boros BV, **Šidagytė-Copilas E** (2021) Morphology mirrors trophic niche in a freshwater amphipod community. *Freshwater Biology*, 66(10): 1968–1979  
<https://doi.org/10.1111/fw.13804>
6. Rakauskas V, **Šidagytė-Copilas E**, Stakėnas S, Garbaras A (2020) Invasive *Neogobius melanostomus* in the Lithuanian Baltic Sea coast: Trophic role and impact on the diet of piscivorous fish. *Journal of Great Lakes Research*, 46(3): 597–608  
<https://doi.org/10.1016/j.jglr.2020.03.005>

7. Rakauskas V, Šidagytė E, Kesminas V, Kaminskas O (2018) Can the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) threaten fisheries of temperate lakes? A case study from Lake Dusia, Lithuania. *Acta Ichthyologica et Piscatoria*, 48(1): 37–49  
<https://doi.org/10.3750/AIEP/02261>
8. Dainys J, Gorfine H, Šidagytė E, Jakubavičiūtė E, Kirka M, Pūtys Ž, Ložys L (2018) Are Lithuanian eels fat enough to reach the spawning grounds? *Environmental Biology of Fishes*, 101(1): 127–136  
<https://doi.org/10.1007/s10641-017-0686-y>
9. Rakauskas V, Šidagytė E, Butkus R, Garbaras A (2018) Effect of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) on the littoral macroinvertebrate community in a temperate mesotrophic lake. *Marine and Freshwater Research*, 69(1): 155–166  
<https://doi.org/10.1071/MF17059>
10. Arbačiauskas K, Šidagytė E, Šniaukštaitė V, Lesutienė J (2017) Range expansion of Ponto-Caspian peracaridan crustaceans in the Baltic Sea basin and its aftermaths: lessons from Lithuania. *Aquatic Ecosystem Health & Management*, 20(4): 394–401  
<https://doi.org/10.1080/14634988.2017.1328229>
11. Šidagytė E, Razlutskiy V, Alekhnovich A, Rybakovas A, Moroz M, Šniaukštaitė V, Vaitonis G, Arbačiauskas K (2017) Predatory diet and potential effects of *Orconectes limosus* on river macroinvertebrate assemblages of the southeastern Baltic Sea basin: implications for ecological assessment. *Aquatic Invasions*, 12(4): 523–540  
<https://doi.org/10.3391/ai.2017.12.4.09>
12. Dainys J, Gorfine H, Šidagytė E, Jakubavičiūtė E, Kirka M, Pūtys Ž, Ložys L (2017) Do young on-grown eels, *Anguilla anguilla* (Linnaeus, 1758), outperform glass eels after transition to a natural prey diet? *Journal of Applied Ichthyology*, 33(3): 361–365  
<https://doi.org/10.1111/jai.13347>
13. Šidagytė E, Solovjova S, Šniaukštaitė V, Šiaulys A, Olenin S, Arbačiauskas K (2017) The killer shrimp *Dikerogammarus villosus* (Crustacea, Amphipoda) invades Lithuanian waters, South-Eastern Baltic Sea. *Oceanologia*, 59(1): 85–91  
<https://doi.org/10.1016/j.oceano.2016.08.004>
14. Šidagytė E, Arbačiauskas K (2016) Resistance to low oxygen in the Ponto–Caspian amphipod *Pontogammarus robustoides* varies among lentic habitats of its northern invaded range. *Limnologica*, 61: 7–16  
<https://doi.org/10.1016/j.limno.2016.09.001>
15. Arbačiauskas K, Šidagytė E, Novitskiy R (2016) Recent update of mysid (Mysida) species composition in the Dnieper Reservoir, South-Eastern Ukraine, a source of several crustacean invaders to European waters. *BioInvasions Records*, 5(1): 31–37  
<https://doi.org/10.3391/bir.2016.5.1.06>
16. Butkus R, Šidagytė E, Rakauskas V, Arbačiauskas K (2014) Distribution and current status of non-indigenous mollusc species in Lithuanian inland waters. *Aquatic Invasions*, 9(1): 95–103  
<https://doi.org/10.3391/ai.2014.9.1.08>
17. Šidagytė E, Višinskienė G, Arbačiauskas K (2013). Macroinvertebrate metrics and their integration for assessing the ecological status and biocontamination of Lithuanian lakes. *Limnologica*, 43(4): 308–318  
<https://doi.org/10.1016/j.limno.2013.01.003>
18. Butkus R, Šidagytė E, Arbačiauskas K (2012) Two morphotypes of the New Zealand mud snail *Potamopyrgus antipodarum* (J. E. Gray, 1843) (Mollusca: Hydrobiidae) invade Lithuanian lakes. *Aquatic Invasions*, 7(2): 211–218  
<https://doi.org/10.3391/ai.2012.7.2.007>

## **PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROJECTS**

- Since 2020 **Primary implementer.** Ponto-Caspian amphipods in the Baltics: niche shifts and functional comparison with native species (AMPHIBALT). Funded by the **Lithuanian Research Council**, Contract No. S-MIP-20-26
- 2019 **Secondary implementer.** Research on the status of invasive and alien species in Lithuania (INVA). Funded by the **Lithuanian Ministry of Environment**, Contract No. 05.5.1-APVA-V-018-01-0012
- 2015–2018 **Secondary implementer.** Implication of species and functional diversity for aquatic ecosystem services under increasing eutrophication and chemical pollution (RETRO). Funded by the **Lithuanian Research Council**, Contract No. SIT-10/2015
- 2015–2016 **Primary implementer.** Effects of alien crayfish on macroinvertebrate communities and ecological indicators of water quality. Funded by the **Lithuanian Research Council**, Contract No. TAP LB-13/2015
- 2012–2014 **Secondary implementer.** Adaptation of invasive species and their impact on aquatic ecosystems of different complexity (INSIST). Funded by the **Lithuanian Research Council**, Contract No. LEK-10/2012
- 2010–2011 **Secondary implementer.** Impact of alien crustacean invasions on food web structure in lakes (SVETIMI TINKLE). Funded by the **Lithuanian Research Council**, Contract No. LEK-18/2010

## INTERNSHIPS AND TRAINING

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- 2018 Training *Lithuanian Learning path on the use of the C3S Climate Data Store* (3 days). Vilnius University (Lithuania)
- 2015–2016 Partial studies *Quantitative Ecology* (4.5 months). University of South Bohemia (Czechia)
- 2014 Course *Stable Isotopes: Analysis and Application in Food Web Ecology* (1 week). Ghent University (Belgium)
- 2013 Course *Metabolic Ecology and Scaling in Biology* (1 week). Umea University (Sweden)
- 2011 Course *Introduction to Practical Biostatistical Analysis with R* (1 week). Klaipėda University (Lithuania)

## PARTICIPATION IN SCIENTIFIC CONFERENCES

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### *International scientific conferences*

1. Šidagytė-Copilas E, Arbačiauskas K (2019) Disparity in oxygen demand of native *Gammarus lacustris* and invasive *Pontogammarus robustoides* – which is superior under deteriorating environment? *18th International Colloquium on Amphipoda*. 26–30 August, Dijon, France
2. Šidagytė E, Lesutienė J, Arbačiauskas K (2018) Trophic behavior of native and invasive populations of Ponto-Caspian mysids. *3rd Central European Symposium for Aquatic Macroinvertebrate Research*. 8–13 July, Lodz, Poland
3. Šidagytė E, Arbačiauskas K (2017) Alien amphipod-driven transformations of macroinvertebrate assemblages in inland waters of the Baltic Sea basin. *17th International Colloquium on Amphipoda*. 4–7 September, Trapani, Italy
4. Šidagytė E, Žilius M, Lesutienė J, Arbačiauskas K (2015) Oxygen consumption of invasive *Pontogammarus robustoides* and native *Gammarus lacustris* from temperate lakes of contrasting trophy. *16th International Colloquium on Amphipoda*. 7–11 September, Aveiro, Portugal
5. Šidagytė E, Arbačiauskas K (2013) Adaptive differentiation of the invasive *Pontogammarus robustoides* in Lithuanian still waters: lactate dehydrogenase response in populations from different trophic conditions. *15th International Colloquium on Amphipoda*. 2–7 September, Szczawnica, Poland
6. Šidagytė E, Arbačiauskas K, Lesutienė J, Gasiūnaitė ZR (2013) Relating species richness of Peracarida, ecosystem productivity and trophic niche of Ponto-Caspian mysid and amphipod in native and invaded areas. *9th International Baltic Sea Science Congress*. 26–30 August, Klaipėda, Lithuania
7. Šidagytė E (2012) A macroinvertebrate assessment system for evaluation of ecological status and biocontamination of Lithuanian lakes. *6th International Student Conference of the Baltic Sea Region*. 17–19 October, Palanga, Lithuania
8. Šidagytė E (2010) The impact of alien species on the structure of lake macroinvertebrate communities and the assessment of lake ecological status. *5th International Student Conference of the Baltic Sea Region*. 6–8 October, Palanga, Lithuania

## OTHERS

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### *Other activities*

- Since 2022 **Doctoral committee member** for the Ecology and Environmental Sciences at Nature Research Centre
- 2022 **Assessor** for the best doctoral dissertation of 2021 contest organised by the Lithuanian Young Scientists Union
- Since 2021 **Managing editor** of the international scientific journal *Zoology and Ecology* published by the Nature Research Centre
- Since 2021 **Invited lecturer** for the *Aquatic Ecology* course at Life Sciences Centre, Vilnius University

### *Small grants and awards*

- 2019 **Trip grant** for attending the 18th International Colloquium on Amphipoda in Dijon (France). Funded by the Lithuanian Research Council, Contract No. 09.3.3-LMT-K-712-13-0256
- 2015–2016 **Trip funding and scholarship** for partial studies at the University of South Bohemia (Czechia). Funded by the Lithuanian Education Exchanges Support Foundation, Contract No. AM-CZ-2015-LT-1390
- 2015 **Scholarship** for academic achievements. Funded by the Lithuanian Research Council, Contract No. DOK-14559
- 2014 **Scholarship** for academic achievements. Funded by the Lithuanian Research Council, Contract No. DOK-15416
- 2012 **Award** for the best Master thesis in Biomedical Sciences of 2021 by the Lithuanian Young Scientists Union