

# Elyza Pilipaitytė

## CONTACT INFORMATION

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## EDUCATION AND ACADEMIC DEGREE

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2020 – 2022 Vilnius University, Biodiversity / Master.  
The topic of the master's thesis: "Impact of climate change and other environmental factors on the decline of the spawning stock of European whitefish (*Coregonus lavaretus*) in the Curonian lagoon".  
The work was carried out at the Nature Research Center, Fish Ecology Laboratory.

2011 – 2015 Vilnius University, Geography / Bachelor.

## PROFESSIONAL EXPERIENCE

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2022 – until now **PhD student**  
Laboratory of Evolutionary Ecology of Hydrobionts, Nature Research Centre

2021 – 2022 **Laboratory assistant**  
Laboratory of Fish Ecology, Nature Research Centre

## RESEARCH INTERESTS

Direct (fishing) and indirect (climate change) human impact on the fish communities of the Curonian Lagoon. Predator-prey interactions based on individual size. Estimation of changes in the size distribution in different age classes by applying size-based ecosystem models using Mizer package in R. Identification of possible mechanisms causing changes in fish sizes. Assessment of the Curonian Lagoon ecosystem according to the resilience of fish communities to disturbances (exploitation, temperature fluctuations, pollution). Changes of trophic chains and the emergence of trophic cascades in trophic networks. Estimation of maximum sustainable yields to increase future fish biomass and yields.