Plankton hitch-hikers on naturalist's instruments as silent intruders of aquatic ecosystems: current risks and possible prevention

Łukasz Wejnerowski ¹, Tümer Orhun Aykut ², Aleksandra Pełechata ¹, Michał Rybak ³, Tamara Dulić ⁴, Jussi Meriluoto ⁴, Marcin Krzysztof Dziuba ⁵

1 Department of Hydrobiology, Institute of Environmental Biology, Faculty of Biology, Adam Mickiewicz University, Poznań, Poland 2 Department of Biology, Institute of Science, Istanbul University, Istanbul, Turkey 3 Department of Water Protection, Institute of Environmental Biology, Faculty of Biology, Adam Mickiewicz University, Poznań, Poland 4 Biochemistry, Faculty of Science and Engineering, Åbo Akademi University, Turku, Finland 5 Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, USA

Corresponding author: Łukasz Wejnerowski (wejner@amu.edu.pl)

Supplementary Material 4

The list of questions and possible responses in the survey



Plankton Sampling Question Survey

1 Do you use or have you ever used a plankton net towing for sampling plankton during fieldwork?
O Yes O No
2 How often do/did you sample plankton from waterbodies using a plankton net?
O Regularly; usually up to ten times a year O Regularly; usually from eleven to twenty times a year O Regularly; usually more than twenty times a year O Irregularly; there were years I did not collect plankton samples with a plankton net O Irregularly, there are years when I sample plankton up to ten times a year, and other years when I do it more often O None of the above
3 How many water bodies (e.g. lakes, reservoirs, ponds) do/did you sample for plankton using plankton net per day?
O Usually more than one, but not more than five waterbodies per day O Usually one per day, rarely more than one O Always one per day O Usually more than five different water bodies per day
4 What do/did you do with the plankton net after sampling?
O I always immerse/have -immersed (several times) an opened plankton net in the water body O I always immerse/have -immersed (several times) an open plankton net in the waterbody and let it dry O I always rinse/have -rinsed an open plankton net with distilled water/tap water and let it dry O I always just leave the plankton net to dry O I always rinse/have -rinsed an open plankton net with detergent or other liquid to sterilize plankton net O None of the above*
5 Do/Did you use different nets for each sampled lake, when you sample/sampled more than one on the same day?
O Yes O No O I do/did not sample more than one lake on the same day
6 What is your profession?
O Conservation biologist/Hydrobiologist at university/academy/institute O Employee at water quality monitoring service O None of the above**
7 What is your degree status?
O Student O Bachelor's degree

8 | What is your nationality?

O Master's degree O PhD student

O PhD O Professor

Respondents that chose the answer "Non of the above" in the case of the question 4 and 6 were additionally asked to specify what they do/did with the net after sampling (*) or what is/was their profesion (**).