



**FACULTY OF BIOLOGY
AND ENVIRONMENTAL
PROTECTION**

University of Lodz



United Nations
Educational, Scientific and
Cultural Organization



UNESCO Chair on
Ecohydrology and Applied Ecology,
University of Lodz, Poland

Key Ecohydrological publications of UL DAE and ERCE PAS important for the UNESCO Chair on Ecohydrology and Applied Ecology mission:

1. Bednarek A., Szklarek S., Zalewski M. 2014 Nitrogen pollution removal from area of intensive farming - comparison of various denitrification biotechnologies. *Ecohydrology & Hydrobiology* 14 132-141.
2. Gągała I., Izydorczyk K., Jurczak T., Pawełczyk J., Dziadek J., Wojtal-Frankiewicz A., Józwick A., Jaskulska A., Mankiewicz-Boczek J. 2014. Role of Environmental Factors and Toxic Genotypes in The Regulation of Microcystins-Producing Cyanobacterial Blooms. *Microbial Ecology* 67(2): 465-479.
3. Gągała I., Mankiewicz-Boczek J. 2012. The Natural Degradation of Microcystins (Cyanobacterial Hepatotoxins) in Freshwaters - Future for the Modern Treatment Systems and Water Quality Improvement. *Polish Journal of Environmental Studies* 21(5): 1125-1139.
4. Godlewska M., Izydorczyk K., Kaczkowski Z., Józwick A., Długoszewski B., Ye S. Lian Y. and Guillard J. 2016. Do Fish and blue-green algae blooms coexist in space and time? *Fish. Res.* 173: 93-100.
5. Izydorczyk K., Frątczak W., Drobniewska A., Cichowicz E., Michalska-Hejduk D., Gross R., Zalewski M. 2013. A biogeochemical barrier to enhance a buffer zone for reducing diffuse phosphorus pollution – preliminary results. *Ecohydrology & Hydrobiology* 13: 104-112.
6. Jurczak T., Wagner I., Zalewski M. 2012. Urban aquatic ecosystems management. *Public Services Review: Europe: Issue 24*, page 178.
7. Kaczkowski Z., Wojtal-Frankiewicz A., Gągała I., Mankiewicz-Boczek J., Jaskulska A., Frankiewicz P., Izydorczyk K., Jurczak T., Godlewska M. 2015. Spatio-temporal dynamics of cyanobacteria, zooplankton and fish in the shallow eutrophic Sulejow Reservoir in Poland. *PLoS ONE*.
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10. Mankiewicz-Boczek J., Jaskulska A., Pawełczyk J., Gągała I., Serwecińska L., Dziadek J. 2016. Cyanophages Infection of Microcystis Bloom in Lowland Dam Reservoir of Sulejów, Poland. *Microbial Ecology* 71(2), 315-325.
11. Mankiewicz-Boczek J., Karwaciak I., Ratajewski M., Gągała I., Jurczak T., Zalewski M., Pułaski Ł. 2015. Application of cellular biosensors for detection of atypical toxic bioactivity in microcystin-containing cyanobacterial extracts. *Aquatic Toxicology* 168: 1-10.
12. Mankiewicz-Boczek J., Urbaniak M., Gągała I., Zalewski M. 2015. Incidence of microcystin-producing cyanobacteria in Lake Tana, the largest waterbody in Ethiopia. *African Journal of Ecology* 53: 54-63.
13. Szklarek S., Stolarska M., Wagner I., J. Mankiewicz-Boczek. 2015. The microbiotest battery as an important component in the assessment of snowmelt toxicity in urban watercourses – preliminary studies. *Environmental Monitoring and Assessment*, 187: 16.
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