

**3rd International Conference**  
**“Lakes & Reservoirs: Hot Spots and Topics in Limnology”**  
**24-26 September 2024**  
**Uphagen Mansion, Gdańsk, Poland**

**-- CONFERENCE PROGRAMME --**

**DAY 1: 24 September 2024**

**10.00 Opening ceremony**

- Invitation of participants by the Organizing Committee
- Welcome address from the President of the Polish Limnological Society
- Welcome address from the President of Gdańsk
- Welcome address from the Rector of the University of Gdańsk
- Welcome address from the Dean of the Faculty of Oceanography and Geography of the University of Gdańsk
- Welcome address from the Romanian Limnogeographical Association
- In memory of an exceptional limnologist and our friend, Dariusz Borowiak (1962–2022)

**Plenary Lecture: John P. Smol.** *Lakes in the Anthropocene: Arctic ecosystems as sentinels of climatic and other environmental changes*

**11.30 – 12.00 Coffee break**

**12.00 – 14.00 Oral Session I (Chairs: Petre Bretcan, Michał Rybak)**

15 min presentation + 5 min discussion

12.00 – 12.20 **Tylmann W.**, Bonk A., Borowiak D., Głowacka P., Nowiński K., Piłczyńska J., Szczerba A., Żarczyński M. *Decade-long investigations of limnological processes and modern sedimentation at Lake Żabińskie, northeast Poland*

12.20 – 12.40 **Serban G.**, Sabău D., Bătiñaş R., Bretcan P., Dunea D., Tudose T., Vele D., Tanislav D. *Hydrological modelling of the peatlands to understand their effects on the flash floods*

12.40 – 13.00 **Kornaś-Dynia M.**, Nowicka B., Strojna N., Urbanek P. *Possibilities of assessing ice phenomena on lakes on the example of Lake Śniardwy*

13.00 – 13.20 **Nowak M.** *Open-source hardware based ROV and USV platforms for lake water quality surveying – outcomes from practical field assessment*

13.20 – 13.40 **Kornaś-Dynia M.**, Chmist-Sikorska J. *An attempt to use satellite data to calculate lake evaporation – case study from Northern Poland*

13.40 – 14.00 Nagy P., **Zeleňáková M.**, Kubiak-Wojcick K. *Assessment of the effects of climate change on building structures with emphasis on hydrological risks*

#### **14.00 – 15.00 Lunch**

#### **15.00 – 16.20 Oral Session II (Chairs: Martina Zelenakova, Katarzyna Barańczuk)**

15 min presentation + 5 min discussion

15.00 – 15.20 **Bassam A.**, Stenger-Kovacs C., Kalman T. *Community-level response of benthic algae to environmental constraints in a riverine network using different identification approaches*

15.20 – 15.40 **Klimaszyk P.**, Kuczyńska-Kippen N., Szelał-Wasielewska E., Rybak M., Niedzielski P., Gołdyn B., Kaczmarek Ł. *Biological and chemical diversity of arctic ponds in Svalbard*

15.40 – 16.00 **Czegledi I.**, Specziar A., Preiszner B., Boros G., Bano B., Mozsar A., Takacs P., Eros T. *Stable isotope analysis reveals diet niche partitioning between native species and the invasive black bullhead (*Ameiurus melas*)*

16.00 – 16.20 Rucker J., Kruschinski A., **Nixdorf B.** *Phototrophic sulfur bacteria as indicators of complex trophic changes in stratified lakes*

#### **16.20 – 16.40 Coffee break**

#### **16.40 – 18.00 Oral Session III (Chairs: Brigitte Nixdorf, Piotr Rzymiski)**

15 min presentation + 5 min discussion

16.40 – 17.00 **Kalman T.**, Frederic R., Ciric M., Ballot A., Laplace-Tryture Ch., Lemmonier C., Alric B., *Phytool v3 reference library for the taxonomic and trait assignment of phytoplankton 23S rRNA barcodes*

17.00 – 17.20 **Gal B.**, Weiperth A., Farkas J., Schmera D., *How do road crossings affect the functional diversity of aquatic macroinvertebrates?*

17.20 – 17.40 – **Rybak M.**, Szymkowiak J., Wejnerowski Ł., Woźniak M., Joniak T., Klimaszyk P., Ratajczak I., Mandy V. *Stoichiometric flexibility of *Myriophyllum spicatum* in response to environmental variability*

17.40– 18.00 **Zawierucha K.** *Biodiversity and Fate of Glacial Organisms*

#### **19.00 – Gala Dinner**

## **DAY 2: 25 September 2024**

**10.00 – 11.00 Plenary Lecture: Miquel Lurling.** *Eutrophication and System Analysis Guided Lake Restoration: Examples from The Netherlands*

**11.00 – 12.00 Short Communications Session I (Chairs: Gheorghe Serban, Michal Łopata)**

5 min presentation + 3 min discussion

**Barańczuk K., Barańczuk J.** *Effects of climate change on ice cover in lakes in Europe – future scenarios*

**Rybak M., Woźniak M., Kamiński O., Belniak G., Dziuba K. M., Wejnerowski Ł.** *The ecological stoichiometry of bloom-forming cyanobacteria under different climate change scenarios*

**Rosińska J., Puche E., Munoz-Colmenares M., Rodrigo M.A.** *How do iron coagulants and warming affect the germination rates of aquatic plants?*

**Bretcan P., Dunea D., Serban G., Tanislav D., Aleksandrescu D., Glod-Lendvai A-M, Sabau D., Batinas R., Tudose T., Vele D., Pastor I.** *Evaluation of the relationships between the water circulation system and the state of the ecosystems in the Razim-Sinoie Lake Complex*

**Jakubiak P., Klimaszuk P.** *The impact of pharmaceutical pollution and elevated temperature on freshwater mussels*

**Nadolna M., Dondajewska – Pielka R., Domek P., Rybak M., Kaczmarek L.** *Benthic invertebrates structure, with emphasis on Ephemeroptera as bioindicators, against environmental conditions (water quality, bottom sediments, submerged macrophytes) in a shallow urban pond*

**Augustyniak-Tunowska R., Grochowska J., Łopata M., Tandyrak R., Kaczmarczyk R.** *Phosphorus fractions in the sediment of the meromictic lake, restored by P inactivation (Klasztorne Małe Lake, Kashubian Lakeland, Poland)*

**12.00 – 12.30 Coffee break**

**12.30 – 13.30 Short Communications Session II (Renata Augustyniak-Tunowska, Joanna Rosińska)**

5 min presentation + 3 min discussion

**Bătinaş R., Pop A-M., Gheorghe H., Gheorghe S.** *Implementing Restoration Works on Degraded Peatlands from North-Western Romania*

**Grochowska J., Łopata M., Augustyniak-Tunowska R., Tandyrak R., Kaczmarczyk R.** *The influence of restoration techniques on the environmental conditions of Lake Klasztorne Małe in Kartuzy*

**Łopata M., Augustyniak-Turowska R., Grochowska J., Tandyrak R.** *The effects of restoration have passed – what's next? A case study of small eutrophied urban lake*

Pasztaleniec A., **Kolada A.**, Kutyla S., Ochocka A., Hobot A. *Protecting lakes under the art. 139 of the Water Law – rules for lake prioritization*

**Wojtal A. Z.**, Buczek K., Pocięcha A. *Environmental changes and human impact on landslide Zawadowskie Pond (Gorce Mts., South Poland)*

**Mihu-Pintilie A.**, Constantin S. C., Urzica A. *Investigation of a landslide-triggered debris flow and dam formation in the Eastern Carpathians, Romania*

**Goździejewska A.M.**, Kruk M., Glińska-Lewczuk K. *Response of zooplankton network indicators to land use in a river catchment*

### **13.30 – 14.30 Lunch**

**14.30-15.30 Plenary Lecture: Jan M. Węslawski.** *Baltic: The sea of changes*

### **15.30 – 16.00 Coffee break**

**16.00 – 17.40 Oral Session V (Chairs: Wojciech Tylmann, Kamil Nowiński)**

16.00 – 16.20 **Le Cor F.**, Choffel Q. *Microplastic contamination of small water bodies: a reflection of their watershed characteristics?*

16.20 – 16.40 **Zawierucha K.** *Microscopic invertebrates on snow patches*

16.40 – 17.00 **Piwowska D.**, Kiedrzyńska E., Kiedrzyński M. *Analysis of transport of anthropogenic pollutants along the continuum of the largest Polish rivers*

17.00 – 17.20 **Kubiak-Wójcicka K.**, Solarczyk A. *Assessment of water quality in small water reservoirs in urban areas*

17.20 – 17.40 **Polechońska L.**, Almeida C.M.R *Absorption of lead and copper on polyethylene microplastics in freshwater*

17.40 – 18.00 **Szklarek S.**, Górecka A, Wojtal-Frankiewicz A. *The impact of salinization on freshwater ecosystems*

### **18.00 Closing Ceremony**

## **DAY 3: 26 September 2024**

### **8.30 – 18.00 Field trip to the Slowinski National Park**

8.30 Departure by bus in front of the Uphagen Mansion Hotel

17.30 Stop at Gdansk Main Railway Station

18.00 Arrival at the Uphagen Mansion