

AQUATIC ECOSYSTEM CONSERVATION AND THE SUSTAINABLE DEVELOPMENT APPROACH TO INLAND FISHERIES MANAGEMENT

21st – 23rd September 2021

ONLINE

Day 1 – 21. 9. 2021 (chairman V. Žlábek)

- 08:45 – 9:00** Vladimír Žlábek – Vice-Dean for Foreign Relations FFPW USB
Michal Kulík – Ministry of Agriculture of the Czech Republic
Mr. Fersoy Haydar – UN FAO Regional Office for Europe and Central Asia
Seminar opening
- 09:00 – 9:45** Dipl. – Ing. Kateřina Grabicová, BSc., Ph.D.
Effect of pharmaceuticals on aquatic ecosystems
- 10:00 – 10:45** Dipl. Biol. Christoph Steinbach, Ph.D.
Effect of pesticides on aquatic ecosystems
- 11:00 – 11:45** MSc. Ganna Fedorova, Ph.D.
Potential of treated sewage water for aquaculture purposes
- 12:00 – 13:00** LUNCH
- 13:00 – 13:45** Dipl. – Ing. Antonín Kouba, Ph.D.
Biological invasions in inland waters, crayfish as a model group
- 14:00 – 14:45** RNDr. Bořek Drozd, Ph.D.
Non-native fish species in open waters and their role in management approaches – what is really native?
- 15:00 – 15:45** RNDr. Jindřich Duras, Ph.D.
Ponds – an important element for transformation of nutrient flows in the catchment



Day 2 - 22. 9. 2021 (chairman V. Žlábek)

- 09:00 – 9:45** **Prof. Dipl. – Ing. Martin Flajšhans, Dr. rer. agr.**
Conservation of aquatic genetic resources in situ
- 10:00 – 10:45** **Assoc. Prof. Borys Dzyuba, MSc., Ph.D.**
Potential role of genetic material long time storage for
biodiversity conservation
- 11:00 – 11:45** **Assoc. Prof. Dipl. – Ing. Martin Pšenička, Ph.D.**
Germ stem cell biotechnology as an alternative way for
conservation of genetic resources
- 12:00 – 13:00** **LUNCH**
- 13:00 – 13:45** **MSc. Hilal Güralp, Ph.D.**
Gene editing opportunities to solve sustainability issues of the
aquaculture industry
- 14:00 – 14:45** **Assoc. Prof. Dipl. – Ing. Jan Mráz, Ph.D.**
Technologies for aquaculture wastewater valorisation
- 15:00 – 15:45** **MSc. Koushik Roy**
Balancing carp nutrition in fishponds to reduce water
eutrophication
- 16:00 – 16:45** **Assoc. Prof. Dipl. – Ing. Tomáš Polícar, Ph.D.**
Potential of sustainable RAS

Day 3 – 23. 9. 2021, CzechGlobe (chairman V. Žlábek)

- 09:00 – 9:45** **prof. RNDr. Jakub Hruška, CSc.**
Recovery from acid rain induced acidification enabled fish reintroduction to a mountain streams – the role of forest cover and aluminium toxicity
- 10:00 – 10:45** **Mgr. et Mgr. Jan Daněš**
Cultural ecosystem services
- 11:00 – 11:45** **Mgr. et Mgr. Petr Krpec, Ph.D., Helena Duchková, MSc.**
Modelling of ecosystem services with applications to aquatic ecosystems
- 12:00 – 13:00** **LUNCH**
- 13:00 – 13:45** **RNDr. Jan Květ, CSc.**
Processes Approach to Non-Production Ecosystem Services of Wetlands and Shallow Water Bodies
- 14:00 – 14:45** **RNDr. Jan Květ, CSc.**
Interactions between Human Activities and the Structure and Functioning of Wetland Ecosystems
- 15:00 – 15:45** **RNDr. Jan Květ, CSc.**
The Ramsar Convention and its Importance for the Conservation and Management of Wetlands and Shallow Water Bodies
- 16:00 – 16:45** **Mr. Fer soy Haydar**
Impacts of climate change in fisheries