

WRAP-UP MEETING



Accumulation, Subcellular Mapping and Effects of Trace Metals in Aquatic Organisms (AQUAMAPMET)

Croatian Science Foundation – Project no.: IP-2014-09-4255

Place: Ruđer Bošković Institute, Bijenička c. 54, 10000 Zagreb, Croatia
(Lecture Hall, Ivan Supek Wing)

Date: December 2nd and 3rd, 2019

Agenda

Monday, December 2nd, 2019

- 10:00 AQUAMAPMET – 2015-2019 overview of the project results
Presenter: Dr.Sc. Marijana Erk, RBI
- 10:20 Biological responses of fish, gammarids and parasites to anthropogenic influences in the Krka River, vulnerable karst ecosystem and national park in Croatia
Presenter: Dr.Sc. Vlatka Filipović Marijić, RBI
- 10:45 Coffee/Tea Break
- 11:15 Application of the intestinal tissue of invasive Prussian carp as a bioindicator organ in the metal exposure assessment of the Ilova River
Presenter: Tatjana Mijošek, mag. biol. exp., RBI
- 11:35 Cu, Cd, Zn, Fe and Tl distributions in liver of brown trout (*Salmo trutta* Linnaeus, 1758) and Prussian carp (*Carassius gibelio* Bloch, 1782) analyzed by use of SEC-HPLC and HR ICP-MS
Presenter: Dr.Sc. Nesrete Krasnići, RBI
- 12:00 Lunch at RBI restaurant
- 13:30 NanoSIMS imaging of biological samples: technique and challenges for sample preparation
Presenter: Prof. Dirk Schaumlöffel, Uni. Pau
- 14:00 Element distribution in AQUAMAPMET samples by NanoSIMS imaging
Presenter: Dr.Sc. Maria de los Angeles Subirana Manzanares, Uni. Pau



Tuesday, December 3rd, 2019

- 10:00 Bioaccumulation of metals, biomarker responses and the condition of caged freshwater mussels exposed to the effluent from a fertilizer factory in the Ilova River
Presenter: Dr.Sc. Dušica Ivanković, RBI
- 10:20 Recovery of periphyton and macrozoobenthos following invasive tree (*Ailanthus altissima*) removal on Skradinski buk tufa barrier (NP Krka, Croatia)
Presenter: Dr.Sc. Renata Matoničkin Kepčija, Uni. Zagreb
- 10:50 Coffee/Tea Break
- 11:20 Gammarids - suitable bioindicators of a contaminant accumulation and mobilization across diverse freshwater habitats
Presenters: Dr.Sc. Sanja Gottstein and Dr.Sc. Mirela Sertić Perić, Uni. Zagreb
- 12:05 Subterranean crustaceans as potential bioindicator organisms of environmental stress in hyporheic zone
Presenter: Zuzana Redžović, mag. biol. exp., RBI
- 12:25 Closing word
- 12:30 Lunch at RBI restaurant