AMBIOMERES

Appearance and interaction of biologically important organic molecules and micronutrient metals in marine ecosystem under environmental stress

Final workshop

18.1.2019.; 10 h

Ruđer Bošković Institute

III wing hall

Project goal was to investigate quantity of organic matter (OM) produced by the phytoplankton (polysaccharides, lipids, polymeric organic matter containing N catalytic atoms) produced in environmentally stress conditions and how these changes reflect on micronutrients metals distribution.

During the project diatom *Chaetoceros pseudocurvisetus* monocultures *were* incubated under various growth conditions (nutrient concentrations and temperature variations). *In-situ* investigations at the selected oligotrophic and eutrophic areas of the Adriatic Sea followed model experiments.

This workshops goal is to present AMBIOMERES project results and broaden network of Croatian scientists who are dealing with water and sea issues in general.

Time	Lecturer	Title
10:00	Dr. sc. Blaženka Gašparović	What we all achieved during the AMBIOMERES project
10:30	Tihana Novak	Temperature rising and oligotrofication multiplying influence on the increased phytoplankton lipid production
10:50	Dr. sc. Snježana Kazazić	Lipid determination by tandem mass spectrometry
11:10	Dr. sc. Ivna Vrana Špoljarić	Phospholipidomics of two contrasting estuaries
11:30	Dr. sc. Sanja Frka Milosavljević	Biogeochemical responses of diatom *Chaetoceros pseudocurvisetus* to environmental stress: atmospheric input and processing
12:00	Lunch break	
13:00	Dr. sc. Martin Pfannkuchen	Nutrient-limitation driven life strategies in phytoplankton ecology
13:20	Nataša Kužat	Morpho physiological reactions to nutrient limitation in *Chaetoceros* and *Leptocylindrus* genera
13:40	Dr. sc. Zrinka Ljubešić	Characterisation of newly isolated photosynthetic marine pico green algae (*Picochlorum*, *Trebouxiophyceae*) from the Adriatic Sea
14:00	Dr. sc. Daniela Marić Pfannkuchen	A comparative life strategy analysis of two Skeletonema species in the highly structured northern Adriatic ecosystem.
14:20	Coffee break	
14:40	Dr. sc. Milan Čanković	Long-term geochemical trends and microbial diversity in marine meromictic lake
15:00	Dr. sc. Ingrid Ivančić	Regeneration of organic matter: seasonal pattern of extracellular enzymatic activity in marine snow- and sea water-associated microbial communities
15:20	Dr. sc. Abra Penezić	Voltammetric metal speciation in a turbid estuary
15:30	Anđela Bačinić	Electrochemical characterization of cobalt(II) complexes with 4-nitrocatechol and humic acid
15:50	Dr. sc. Blaženka Gašparovic	Closing statement