



# HARVEST SYMPOSIUM 2016


UNIVERSITY OF  
EASTERN FINLAND

Department of Environmental and Biological Sciences


23<sup>rd</sup> November in Niio, Natura Building

- 8:30 – 8:45 Morning coffee and a quick glance at posters in winter garden  
 8:45 – 8:50 **Jarkko Akkanen:** Welcome words  
 8:50 – 9:35 **Jari Syväranta:** Keynote speech - Biogenic methane in aquatic food webs.

## SESSION 1 – PLANTS (CHAIR : Maya Deepak ) 9:35 – 10:55

- 9:35 – 9:55 **Antti Tenkanen:** Silver birch (*Betula pendula*) photosynthesis in a changing climate.   
 9:55 – 10:15 **Paula Thitz:** Production of glandular trichomes under enhanced temperature and water stress in silver birch  
 10:15 – 10:35 **Tiina Kolari:** Long-term impacts of reindeer (*Rangifer tarandus*) grazing on fen vegetation in sub-arctic Lapland  
 10:35 – 10:55 **Lars Granlund:** Visible to midwave infrared (400 – 5000 nm) spectral imaging in estimation of water content of lichens


## SESSION 2 – ANIMALS (CHAIR : Bhabishya Gurung ) 10:55 – 11:55

- 10:55 – 11:15 **Eeva Ylinen:** Loss of species and genetic diversity in isolated host-parasite systems   
 11:15 – 11:35 **Jimmiel Mandima:** Potential application of daily ration and population food consumption estimates of *Limnothrissa miodon* in Lake Kariba to predict the fish stock biomass from prey abundance  
 11:35 – 11:55 **Karlmax Rutaro:** Developing mass rearing technology for the highly valued edible grasshopper, *Ruspolia differens*

Brain  
Breaks

11:55 – 12:55 Lunch


## SESSION 3 – WATER (CHAIR : Rebecca Wicker ) 12:55- 14:15

- 12:55 – 13:15 **Kristiina Väänänen:** Effects of metal mining to Finnish lake ecosystems: The importance of seasons and metal bioavailability in ecological risk assessment.   
 13:15 – 13:35 **Reetta Väättäinen :** Does vulnerability to angling or activity in shoal predict vulnerability to predation in Eurasian perch: Do we catch the same fish as the predators?  
 13:35 – 13:55 **Jukka Kekäläinen:** Sexual selection via gamete-level chemical communication  
 13:55 – 14:15 **Jenny Makkonen:** Mitochondrial genomes and comparative genomics of *Aphanomyces astaci* and *Aphanomyces invadans*

Poster  
& coffee

14:15 – 15:15 Coffee and poster session in winter garden

## SESSION 4 – CELLS AND GENES (CHAIR: Paula Thitz ) 15:15-16:35

- 15:15 – 15:35 **Rubén Torregrosa:** Mitochondrial DNA replication in mammals   
 15:35 – 15:55 **Jaakko Pohjoismäki:** Mitochondria hormesis  
 15:55 – 16:15 **Janne Koskinen:** Fungivorous insects and their interactions – a molecular biology approach  
 16:15 – 16:35 **Anne Pynttäri:** Cloning and sequencing of cardiac sarco(endo)plasmic reticulum Ca<sup>2+</sup>-ATPase (SERCA2) gene from rainbow trout (*Oncorhynchus mykiss*)

Poster  
Prize

16:35 – 16:55 **Eлина Oksanen:** Concluding remarks - We can!