

9th Symposium on “Microalgae and Seaweed Products in Plant/Soil-Systems” in Mosonmagyaróvár, Hungary



Tuesday 25 June 2019 - Wednesday 26 June 2019

SZE MEK

Scientific Programme

Opening, General Introduction

****TUESDAY, June 25****

10:00-10:20 *Ördög V.* (Mosonmagyaróvár)

Greeting of Participants and

****Opening the 9th Symposium on Microalgae and Seaweed Products****

10:20-10:50 *Molina, E.* (Spain)

Microalgae biotechnology – past present and future *(tentative)*

10:50-11:20 ****Tóké G.**** (Budapest)

New situation in the authorization of yield enhancers in the EU

11:20-11:30 ****Coffee Break****

1. New Tools for Microalgae Biotechnology

Chairperson: *Strnad, M.* (Czech Republic)

Co-Chair: *Balázs E.* (Martonvásár)

*****Plenary Lectures*****

11:30-12:00 *Strnad, M.* (Czech Republic)

Plant and algae hormonomic – profiling on tissue and cellular level

12:00-12:30 *Maróti G.* (Szeged)

Exploitation of algal-bacterial consortia in combined resource recovery and biohydrogen generation

12:30-13:10 ****Buffet Lunch**** (snacks, sandwiches, refreshments)

*****Oral Presentations*****

13:10-13:30 *Hódi B.* (Szeged)

Effect of singlet oxygen on gene expression profile in *Synechocystis* PCC6803

13:30-13:50 *Patil, P.* (Szeged)

Establishment of a simple screening system for photosynthetic traits of microalgae and cyanobacteria

13:50-14:10 *Patyi G.* (Szeged)

Assessment of intracellular singlet oxygen by GFP fluorescence in *Synechocystis* PCC 6803

14:10-14:30 *Szabó M.* (Szeged)

Algal phenotyping - agricultural and industrial applications

14:30-14:50 ****Coffee Break****

2. Plant Bio-stimulants

Chairperson: *Van Staden, J.* (South Africa)

Co-Chair: *Ördög V.* (Mosonmagyaróvár)

*****Plenary Lectures*****

14:50-15:20 *Van Staden, J.* (South Africa)

Role of smoke- and seaweed-derived compounds in improving growth and biochemical composition of spinach and cabbage crops

15:20-15:50 *Mógor, Á. F.* (Brasil)

Microalgae as biostimulant: field results and biochemical approach

15:50-16:50 **Round Table Discussion and Poster Session**

18:00-18:30 **Folklore Show** (at the Venue of the Symposium)

18:30-(22:00) **Dinner** (at the Venue of the Symposium)

Sorry to inform that alcoholic beverages will not be served free of charge

****WEDNESDAY, June 26****

8:00-9:00 **Poster Session**

*****Oral Presentations*****

9:00-9:20 *Bojtor Cs.* (Debrecen)

Application of microalgae-containing bio-fertilizer in maize

9:20-9:40 *Horváth N.* (Mosonmagyaróvár)

Extracellular polysaccharides in twenty Chlamydomonas strains of the Mosonmagyaróvár Algal Culture Collection

9:40-10:00 *Ravirajan, M.* (India)

Seaweed bio-stimulants for plant growth

10:00-10:20 *Takács G.* (Mosonmagyaróvár)

Plant biostimulating effects of the green alga Tetracystis sp. on winter wheat in field experiments

10:20-10:40 *Tóth J.* (Mosonmagyaróvár)

Effect of Arthrospira platensis on the growth and condition of nursery plants

10:40-11:00 **Coffee Break**

3. Antimicrobial Compounds and Bio-pesticides from Microalgae

Chairperson: *Acien, G.* (Spain)

Co-Chair: *Molnár Z.* (Mosonmagyaróvár)

*****Plenary Lectures*****

11:00-11:30 *Ördög V.* (Mosonmagyaróvár)

Microalgae against necrotroph and biotroph plant fungal pathogens

11:30-12:00 *Fu, P.* (China)

Microalgae for heavy metal removal

*****Oral Presentations*****

12:00-12:20 *Horváth Á.* (Budapest)

In vitro antifungal activity of selected freshwater and marine cyanobacteria strains

12:20-12:40 *Malec, P.* (Poland)

Myxoxanthophylls – carotenoid glycosides from cyanobacteria and their specific optical and antioxidant properties

12:40-13:20 **Buffet Lunch** (snacks, sandwiches, refreshments)

4. Photobioreactors for Agricultural Purposes: Pilot and Large Scale Construction and Operation

Chairperson: *Masojidek, J.* (Czech Republic)

Co-Chair: *Maróti G.* (Szeged)

*****Plenary Lectures*****

13:20-13:50 *Acien, F. G.* (Spain)

Challenges in the production of microalgae in large scale

13:50-14:20 *Masojidek, J.* (Czech Republic)

Outdoor pilot-scale cultivation of selected microalgae in Třeboň: thin-layer cascade vs. raceway pond

*****Oral Presentations*****

14:20-14:40 *Branyikova, I.* (Czech Republic)

Electrocoagulation – a smart way to minimize microalgae harvesting cost

14:40-15:00 *Kanna, S. D.* (Hungary)

Salt stress adaptation of biotechnologically important microalgal strains

Closing of the 9th Symposium on Microalgae and Seaweed Products

15:00-15:30 *Ördög V.* (Mosonmagyaróvár), *Molina, E.* (Spain)

****Round Table Discussion****

****Closing of the 9th Symposium on Microalgae and Seaweed Products****