

Program 2nd European Aquaphotomics Conference

2-3 December 2019, Budapest, Hungary

Monday

08:30-09:30 Registration (and software installation support if required)

09:30-12:30 WORKSHOPS

09:30-10:00 George Bazar – Evaluating the spectral quality to improve the results of data analysis

10:00-10:30 Zoltan Kovacs – A short introduction to aquaphotomics

10:30-11:00 COFFEE BREAK

11:00-12:30 Bernhard Pollner – Problem-oriented introduction to aquap2, a free multivariate data analysis tool with aquaphotomics methods

12:30-22:00 CONFERENCE TOUR**

12:30-13:30 lunch

13:30-18:30 TOUR

18:30-20:30 dinner

21:30-22:00 drive to the hotels

**For those that signed up for the tour. Please be prepared with warm clothes!

Tuesday

08:30-08:55 Registration

08:55-09:00 Arrival yoga/meditation exercise*

09:00-09:10 Opening by Zoltan Kovacs

09:10-10:30 Scientific section 1

Section chair: Roumiana Tsenkova

09:10-09:30 Zoltan Kovacs – Aquaphotomics and its recent applications in the field of food science

09:30-09:45 Tiziana Cattaneo – Aquaphotomics holistic approach to identify differences in soil profiles

09:45-10:00 Stefka Atanassova – Near-infrared spectroscopy and aquaphotomics for early detection of fungal diseases on cucumber and durum wheat

10:00-10:15 John-Lewis Zinia Zaukuu – Authentication of tomato paste concentrate with near-infrared spectroscopy

10:15-10:30 Bodor Zsanett – Detection of adulteration of linden honey with beet and rice syrup using aquaphotomics

10:30-11:00 COFFEE BREAK (last 10 minutes yoga/meditation exercise*)

11:00-12:30 Scientific section 2

Section chair: Christian Huck

11:00-11:30 Antonella De Ninno (invited speaker) – On the quantum nature of the two fluids in liquid water

11:30-11:45 Paolo Renati – Temperature dependence analysis of the NIR spectra of liquid water confirms the existence of two phases, one of which is in a coherent state

11:45-12:00 Nikolaj Sorgenfrei Blom – DireWaves: Disarming resistant microbes with weak ELF magnetic fields

12:00-12:15 Everine van de Kraats – Water functionality and lessons learnt from NIR spectroscopy

12:15-12:30 Zoltan Gillay – Evaluation of modified handheld spectrometer to transmission mode using NaCl and saccharose

12:30-13:30 LUNCH BREAK (last 10 minutes yoga/meditation exercise*)

13:30-14:45 Scientific section 3

Section chair: Antonella De Ninno

13:30-14:00 Christian Huck (invited speaker) – Future directions of near-infrared spectroscopy in food, phyto and bioanalysis

14:00-14:15 Nirrin Technologies sponsor presentation with Bryan Hassel on Skype

14:15-14:45 Poster flash presentations (starting with 5 min yoga/meditation exercise*)

14:45-15:15 POSTER SESSION

15:15-15:30 COFFEE BREAK

15:30-17:30 Round table discussion

Moderator: Everine van de Kraats

17:30-18:10 Plenary & Closing

Section chair: Zoltan Kovacs

17:30-18:00 Roumiana Tsenkova (invited plenary presentation) – Aquaphotomics as emerging technology denominator

18:00-18:10 Closing remarks

18:30-22:00 DINNER

* All yoga/meditation exercises are led by Esther Sorgenfrei Blom.