

AGENDA OF GREENERING BUBBLE LOCATED IN ZAGREB, CROATIA

13nd to 15nd September 2021

Bubble Title: *The possibility of plant extracts preparation by applying the green extraction solvents with the hands-on: deep eutectic solvents*

Place of bubble: Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

Number of participants: 5 participants (min 3 from industry, max 2 PhD students) and 3 lecturers

Duration of bubble: 3 days, from 13nd to 15nd September 2021, from 9.00 am to 4.00 pm

DRAFT AGENDA OF GREENERING BUBBLE LOCATED IN ZAGREB, CROATIA:

13th September

9.00 **Joint online lecture on:** Welcome to the participants of Novi Sad and Zagreb Greenering bubble

9.15 **Joint online lecture on:** Presentation of the COST Action Greenering

9.30 **Joint online lecture on:** The green chemistry and technologies

10.00 **Joint online lecture on:** The basics of the ultrasound-assisted extraction

10.45 Coffee break

11.15 **Joint online lecture on:** The basics of deep eutectic solvents

12.00 **Hands on:** Rational design of deep eutectic solvents by using computational methods

1.00 **Lunch break**

2.00 **Hands on:** Preparation and characterisation of deep eutectic solvents

4.00 Summarizing and ending of the first bubble day

14th September

9.00 Reminder on what we have done in the first day

9.15 **Joint online lecture on:** The basics of high pressure extraction by carbon dioxide

10.00 **Joint online lecture on:** Designing of a process involving deep eutectic solvents

10.45 **Coffee break**

11.15 **Hands on:** Deep eutectic solvent-assisted extraction of selected herbal material (part I)

1.00 **Lunch break**

2.00 **Hands on:** Deep eutectic solvent-assisted extraction of selected herbal material (part II)

4.00 Summarizing and ending of the first bubble day

15th September

9.00 Reminder on what we have done in the second day

9.15 **Joint online lecture on:** The basics of subcritical water extraction

10.00 **Joint online lecture on:** Environmental and economic sustainability of processes involving deep eutectic solvents

10.45 **Coffee break**

11.15 **Hands on:** Characterisation (analytics) of the product obtained by deep eutectic solvent-assisted extraction of selected herbal material

12.15 **Hands on:** Biological activity of the product obtained by deep eutectic solvent-assisted extraction of selected herbal material

1.15 **Lunch break**

2.00 **Interviews of participants**

3.00 **Evaluation of the bubble**

3.30 **Joint online closing:** Summarizing the experience and novel knowledge and ending