



## **AGENDA OF GREENERING (COST 18224) BUBBLE:**

### **Applications of Supercritical and subcritical fluids Extraction in cosmetic systems**

### **Applications of Deep Eutectic Solvents (DES) in cosmetic systems**

**Dates:** 22<sup>nd</sup> to 23<sup>rd</sup> September 2023

**Location:** Laboratory of Food Chemistry and Biochemistry, Department of Food Science and Technology, Aristotle University of Thessaloniki, Thessaloniki, Greece

**Instructors:** Professor Ioannis Mourtzinou, Dr. Anastasia Kyriakoudi

### **Agenda (French Time)**

#### **22<sup>nd</sup> September**

09:30-10:30	Welcome to the participants Greenering bubble / Coffee session Presentation of the participants
<b>11:00-12:15 (Gr)</b>	Dr Benoît Legros  Lecture : Overview of Supercritical fluids process for cosmetic applications including industrial applications and market (BL and KSP) Including presentation of a SFE equipment 2 L I and explanation of Sc CO2 extraction process
<b>12:15-13:00 (Gr)</b>	Karine Seaudeau Pirouley, Dr Christelle Crampon  Lecture : Supercritical CO <sub>2</sub> fractionation, sterilization , encapsulation for cosmetics application (C C )
<b>13:00 – 14:00 (Gr)</b>	Lecture: Preparation of DES systems, characterization and their industrial applications (Gr)
14:00-15:00	Lunch break

#### **Afternoon : Greek participants only**

15:00-16:00	Laboratory preparation of a hydrophilic DES system
16:00-17:00	Laboratory preparation of a hydrophobic DES system

**23<sup>rd</sup> September**

9:00-9:30	Coffee session
9:30-10:30	Preparation of a cosmetic system (face cream, lotion) containing DES in aqueous phase
10:30-11:30	Laboratory preparation of plant extracts using DES and ultrasounds
11:30-12:30	Preparation of a cosmetic system (face cream) containing DES in lipid phase
12:30-13:00	Summarizing the experience and novel knowledge / Closing of the GREENERING bubble