Towards circular economy in the agri-food sector: strategies and challenges

Final Conference of the FEDKITO project
September 12th, 2023
Aula Magna of the Department of Agriculture, Food and Environment (DAFE)
Via del Borghetto, 80 - 56124 - Pisa

Tentative program

08:30-9:00 Registration of Participants
09:00-9:15 Institutional Greetings

Session 1. Bio-based solutions for the agri-food sector
Key-note speakers
09:15-09:30 Annalisa Tassoni University of Bologna (Italy) - PROLIFIC and AGRILOOP projects
09:30-09:45 Gianfranco Romanazzi University of Marche (Italy) - StopMedWaste project
09:45-10:00 Santa Olga Cacciola University of Catania (Italy) - BiOrangePack project
10:00-10:15 Barbara Conti University of Pisa (Italy) - Fedkito project
10:15-10:45 COFFEE BREAK

Session 2. Towards a plastic-free packaging
Chair Prof. Annamaria Ranieri
Key-note speaker
10:45-11:00 Beatrice Coltelli University of Pisa (Italy) - Renewable, biodegradable, and recyclable materials for functional packaging

Communications
11:00-11:15 Antonella Castagna University of Pisa (Italy) - The chitosan “solution” to preserve the food quality
11:15-11:30 Marwa Khemakhem IPC (France) - The sustainable packaging based on chitosan and essential oils
11:30-11:45 Annamaria Ceili University of Bologna (Italy) - Bioactive additives and new materials from agri-waste: a contribute to the circular economy
11:45-12:00 Fabio Bartolini University of Ferrara (Italy) - The economics of the sustainable packaging
12:00-13:00 3-4 Oral communications to be selected
13:00-14:00 LUNCH

Session 3. Insects for food waste recovery in the circular economy
Chair Prof. Sara Savoldelli
Key-note speaker
14:00-14:15 Rumbos Christos University of Thessaly (Greece) - Making ”gold” out of trash: Exploitation of agri-food waste streams for insect production

Communications
14:15-14:30 Christos Athanassiou University of Thessaly (Greece) - Insects for food and feed: current status and research priorities
14:30-14:45 Alessia Mannucci University of Pisa (Italy) - Extraction, characterization, and yield of chitosan extracted from insects
14:45-15:00 Linda Abenaim University of Pisa (Italy) - The larvicidal activity of insects for waste recovery
15:00-15:30 2 Oral communications to be selected

Session 4. Innovative approaches to improve and monitor food safety and quality
Chair Prof. Annalisa Tassoni University of Bologna
Key-note speakers
15:30-15:45 Elisa Micheli University of Bologna (Italy) - Paper-based optical biosensors for monitoring food quality and safety
15:45-16:00 Amine Aziz University of Casablanca (Morocco) - Electrochemical biosensors for food contaminants detection

Communications
16:00-16:15 Francesca Venturi University of Pisa (Italy) - The sensory analysis of fresh food coated with chitosan solutions added with essential oils
16:15-16:30 Sabrina Sarrocco University of Pisa (Italy) - Chitosan and essential oils to protect fresh fruits from Penicillium spp. infections during storage
16:30-16:45 David Siaussat University of Sorbonne (France) - The combined effect of chitosan and essential oils on the pest Spodoptera littoralis
16:45-17:00 Priscilla Farina University of Pisa (Italy) - Liquid chitosan with essential oils to protect fresh foodstuffs from the oviposition of dipteran pests
17:00-17:15 Naja Trabelsi CBBC (Tunisia) - Effect of chitosan coating solutions enriched with essential oils on fresh foods quality during storage
17:15-17:30 Soumia El Bouamasy University of Catania (Italy) - Development of new technological solutions to extend the shelf life of citrus fruits
17:30-18:00 Federico La Spada University of Catania (Italy) - New eco-friendly antifungal products for managing plant pathogens in the citrus fruit supply chain

18:00-18:30 DISCUSSION and CONCLUSIONS