

Workshop

Valorization of invasive seaweed biomass to develop new products relevant for the blue bioeconomy

14th July 2023

Hybrid event

Universidade
do Algarve
Anfiteatro Verde
Edifício 8
Campus de Gambelas
Faro, Portugal



Registration
desk open
from **8:30-9:00**

8:50-9:00

Welcoming message

Organizing team: Dina Simes and Carla Viegas

1. MARINE INVASIVE MACROALGAE. IMPACTS AND STRATEGIES TO MITIGATE NEGATIVE EFFECTS

9:00-9:30

Seaweeds on the beach: A citizen science project to monitor and identify accumulations of algae in the Portuguese sea coast. (<https://form.jotform.com/212044035885352>)

com/212044035885352

Javier Jiménez (CCMAR -Centre of Marine Sciences, Universidade do Algarve, Faro, Portugal)

9:30-10:00

Invasive seaweeds: threat or opportunity?

Aschwin Engelen (CCMAR -Centre of Marine Sciences, Universidade do Algarve, Faro, Portugal)

2. VALORIZATION OF ALGAL BIOMASS FOR HIGH VALUE INDUSTRY (DIET SUPPLEMENTS, COSMETICS AND PHARMACEUTICS)

10:00-10:30

Algal Biomass Valorization: A Renewable Resource for a Sustainable Future

Luísa Barreira (CCMAR-Centre of Marine Sciences, University of Algarve and GreenCoLab-Green Ocean Technologies and Products Collaborative Laboratory, CCMAR, University of Algarve, Faro, Portugal)

10:30-11:00

Biotechnological production of vitamin K1 using cyanobacteria

Dale McClure (Department of Chemical Engineering, College of Engineering, Design and Physical Sciences, Brunel University, London, England)

11:00-11:30

Coffee break

11:30-12:00

Supercritical CO₂ as a green solvent for the sustainable recovery of high-value bioactive compounds from macroalgae biomass

Ana V. M. Nunes (LAQV, REQUIMTE, Dep. Química, FCT, UNL, Caparica, Portugal)

Target Audience:

Teachers, students, researchers from academic or research institutions; professionals from policy and public investment organizations; professionals from health, nature and environment management entities; stakeholders from pharmaceuticals, dietetics, aquaculture, marine biotechnology, environment, etc.

Grátis mediante inscrição obrigatória: bit.ly/nutrisafe_jul14



12:00-12:30

Exploring invasive macroalgae as a biomass source for a novel and sustainable vitamin K1 diet supplement

Dina Simes (CCMAR-Centre of Marine Sciences and GenoGla Diagnostics, Universidade do Algarve, Portugal)

12:30-13:00

In vitro studies for screening and validation of relevant bioactivities from algae-derived products

Carla Viegas (CCMAR-Centre of Marine Sciences and GenoGla Diagnostics, Universidade do Algarve, Faro, Portugal).

13:00-14:30

Lunch break

14:30-15:00

Encapsulation of compounds: A widespread strategy with applications in food science

Ana Grenha (CCMAR-Centre of Marine Sciences, Faculdade de Ciências e Tecnologia, Universidade do Algarve, Faro, Portugal)

15:00-15:30

From in vitro to in vivo: brief considerations. Important aspects in the process of using preclinical mouse models

Vitor Fernandes (Safety and Experimental Officer at ABC-RI, Animal Facility Manager at ABC-RI, FMCB)

3. NUTRIK: AN EPIDEMIOLOGICAL STUDY TO EVALUATE THE VITAMIN K STATUS AND ADHERENCE TO THE MEDITERRANEAN DIET IN THE ADULT POPULATION

(<https://form.jotform.com/222044277445353>)

15:30-16:00

Mediterranean Diet

Maria Palma Mateus (Universidade do Algarve, Escola Superior de Saúde, Faro, Portugal) and Nídia Braz (Universidade do Algarve, Faro, Portugal & ABC-RI, Algarve Biomedical Center Research Institute, Faro, Portugal)

16:00-16:30

Vitamin K intake and Mediterranean Diet: preliminary results of a Portuguese populational survey

Ezequiel Pinto (Centro de Estudos e Desenvolvimento em Saúde–Universidade do Algarve; Algarve Biomedical Center Research Institute, Universidade do Algarve, Faro, Portugal)

4. PANEL DISCUSSION

16:30-17:30

Moderator: Dina Simes

Guest speakers: Dale McClure, Luísa Barreira, Ana Nunes, Ezequiel Pinto, Aschwin Engelen, ICNF representative)

17:30-19:00

Cocktail