



**10<sup>TH</sup> NORDIC SEAWEED CONFERENCE**  
THE NEXT TEN YEARS  
- FROM LOCAL TO GLOBAL

**ABSTRACT BOOK**

13<sup>th</sup> and 14<sup>th</sup> of October 2021

Kysthotellet

Grenaa, Denmark

# 10<sup>TH</sup> NORDIC SEAWEED CONFERENCE

## THE NEXT TEN YEARS

## -LOCAL TO GLOBAL

13<sup>TH</sup> - 14<sup>TH</sup> OCTOBER 2021

KYSTHOTELLET, GRENAÅ, DENMARK

### PROGRAMME WEDNESDAY 13<sup>TH</sup> OCTOBER:

#### 10.00 - 11.00 REGISTRATION

11.00 - 11.15 Welcome

#### SESSION 1: SEAWEED PRODUCTION - Chair: Karin Loft Eybye

- 11.15 - 12.00 Keynote talk: Seaweed cultivation has to grow up - and become commercial!  
Olavur Gregersen, CEO and founder of Ocean Rainforest, Faroe Islands #1
- 12.00 - 12.25 Findings on integrating a vertical seaweed cultivation system into the RAS industry  
Esben Rimi Christiansen, CEO and founder PureAlgae #2
- 12.25 - 12.50 Seasonal fertility and cultivation of *Gracilaria* sp. in the inner Danish waters  
Susan Løvstad Holdt, DTU Food, Denmark. #3

#### 12.50 - 13.50 Lunch

#### SESSION 2: SEAWEED HIGH VALUE MOLECULES / SEAWEED TECHNO-ECONOMY - Chair: Xiaoru Hou

- 13.50 - 14.30 Keynote talk: Can Northern hemisphere macroalgae inhibit enteric methane emission from cattle? Evidence from an in vitro simulation study.  
Mette Olaf Nielsen, professor at Animal Science, Aarhus University, Denmark. #4
- 14.30 - 14.55 Antioxidant and photo protecting properties of phlorotannin-rich extracts from *Fucus vesiculosus*.  
Ditte B. Hermund. DTU Food, Denmark. #5
- 14.55 - 15.20 FucoSan - 5 years of German-Danish Research on marine Polysaccharide Fucoidan in Health and Well-being.  
Alexa Klettner, University of Kiel, Germany. #6
- 15.20 - 15.45 Blue growth and bioextraction potentials of Danish *Saccharina latissima* aquaculture - A model of eco-industrial production systems mitigating marine eutrophication and climate change.  
Marianne Thomsen, Environmental Science and Center for Circular Bioeconomy, Aarhus University, Denmark. #7

#### 15.45 - 16.10 Coffee and cake

#### SESSION 3: SEAWEED AND SUSTAINABILITY - NORDIC TALK

- 16.10 - 17.00 Nordic Talk event - Is Seaweed the magic wand of the future?  
Moderated by journalist Troels Mylenberg with Ingrid Undeland, Chalmers University, Sweden, Olavur Gregersen, Ocean Rainforest, Faroe Islands and Dorte Krause-Jensen, Aarhus University, Denmark. #8
- 17.00 - 18.15 Poster session and Seaweed Market #9

#### 19.00 - 22.30 Conference dinner in the Kattegatcentre

We meet at the hotel lobby at 19.00 and walk for 10 minutes to the Kattegatcentret.

## PROGRAMME THURSDAY 14<sup>TH</sup> OCTOBER:

- 07.30 – 08.30** Visit at Pure Algae cultivation facility by CEO and founder Esben Rimi Christiansen. We meet at the hotel lobby at 7.30 and walk 10 minutes to the company site. #10
- 08.55 – 09.00 Welcome back at the conference.  
Please, remember to check out no later than 10 o'clock.
- SESSION 4: SEAWEED PROTEIN** - Chair: Trine Dalsgaard
- 09.00 – 09:45 Keynote talk: Seaweed as a potential future protein source; pros and cons.  
Ingrid Undeland, Professor at Chalmers University, Sweden. #11
- 09.45 – 10.10 Quantitative proteomics and bioinformatics in seaweed food protein research:  
Evaluation of extraction methods, bioactive potential, and nutritional value.  
Simon Gregersen, Aalborg University, Denmark. #12
- 10:10 – 10.35 Protein digestibility of *Ulva* sp. and *Saccharina latissima* in rats.  
Louise Juul, AU Food, Denmark. #13
- 10.35 – 10.50** Coffee break
- SESSION 5: SEAWEED IN THE FUTURE** - Chair: Susan Løvstad Holdt
- 10.50 – 11.15 3 minute PhD pitches:  
Mirka Mølgaard, and Jørgen Levinsen, Aarhus University;  
Jakob Nebber Davidsen, Nethmie Jayasooriya, Holly Robertson and Alisa Mihaila,  
University of Waikato, New Zealand. #14
- 11.15 - 11.40 Green Gravel Technology for restoring kelp forests.  
Stein Frederiksen, University of Oslo and Institute of Marine Research, Norway  
& Thomas Wernberg, University of Western Australia and Institute of Marine  
Research, Norway. #15
- 11.40 – 12.30** Lunch
- 12.30 – 12.55 Optimum solutions for the drying of seaweed and algae in a changing/diversifying world.  
Simon Shaw, Alvan Blanch Development Company Ltd, United Kingdom. #16
- 12.55 – 13.20 Open innovation project on large scale offshore seaweed harvesting and processing.  
Floor Spaargaren, MARIN, The Netherlands. #17
- 13.20 – 13.45 Farming kelp in the North Sea.  
Eef Brouwers, North Sea Farmers, The Netherlands #18
- 13.45 – 14.30 Keynote talk: Seaweeds; opportunities and markets in the next 10 years.  
Stefan Kraan, Co-founder and CSO, The Seaweed Company Blue BV, Ireland. #19
- 14.30** Goodbye for now!
- 14.30 - 15.00** Coffee and cake
- 15.30 - 19.30** Stakeholder meeting

TWEET: #NSC21