

Monday June 19th

Auditorium 450

Room 200

08:30 - 09:15
Welcoming speech

09:15 - 09:50
Opening : C. Bowler Tara Oceans: Eco-Systems Biology at Planetary Scale

09:50 - 10:30
Arthur Grossman The Discovery of Novel Proteins Required for Photosynthetic Function Using the Model Green Alga *C. reinhardtii*

10:30 -11:00 Coffee break

11:00 - 11:20
Maria Barbosa Towards industrial products from microalgae

11:20 - 11:30
Synoxis Beignon Thierry

11:30 - 11:40
Liqoflux Pieter Boelens Managing the Water Loop with Liqoflux - purification, separation & recycling

11:40 - 12:00
Corat Amance Cultivating cellulosic green seaweed for bioethanol production

12:00 - 12:20
Lee Choul-Gyun Microalgal Biotechnology: A Route to Bio-based Economy from Petroleum-based Economy

12:20 - 12:40
Pilon Laurent The importance of light transfer for microalgae growth kinetics and metabolite production

12:40 - 13:00
Sui Yixing Exploring *Dunaliella salina* as single cell protein: the influence of light/dark regime on the growth and protein synthesis

11:20 - 11:40
Archer Lorraine Screening, selection and cultivation up scaling of microalgae strains from the west of Ireland with promising antioxidant potentials and lipid signatures

11:40 - 12:00
Roleda Michael Iodine content in wild and cultivated edible seaweeds (*S. latissima*, *A. esculenta* and *P. palmata*): variability, and implications for dietary nutrition

12:00 - 12:20
Treves Haim The alga that never read the literature - Fastest growing photodamage tolerant alga isolated from desert crust

12:20 - 12:40
Schroeder Declan Molecular and phylogenetic analysis resolves and reveals new diversity of *Dunaliella* sp. from hypersaline environments

12:40 - 13:00
Bermejo Ricardo Assessing spatial and temporal scales of variation in green tides: Tubular vs. Sheet-like morphologies

13:00 -14:00 Lunch break

14:00 - 14:20
Pruvost Jérémy Development and validation of strategies for the optimal operation of microalgal culture systems in outdoor

14:20 - 14:40
López Rosales Lorenzo Culture of *Amphidinium carterae* in pilot-scale photobioreactors illuminated with light emission diodes (LEDs)

14:40 - 15:00
Huber Gregor Comparison of algal growth in laboratory, small-scale experiment and large scale production

15:00 - 15:20
Ruppel Valentina Operating strategy to reduce the energy input of a flat-panel airlift photobioreactor with intrinsic static mixers

15:20 - 15:40
Kazbar Antoinette Effect of the design dark fraction on the loss of biomass productivities in photobioreactors

15:40 - 16:00
Loomba Varun Computational analysis of hydrodynamics and light distribution in photo-bioreactors for algal biomass production

14:00 - 14:20
Marinho Goncalo Antioxidant composition and activity of seaweed *Saccharina latissima*: a seasonal perspective

14:20 - 14:40
Jin Eonseon Strain development of microalgae by genetic tools including DNA-free CRISPR/CAS9

14:40 - 15:00
Bernard Miriam qPCR-based detection of a filamentous brown algal endophyte in *Saccharina latissima* wild populations and kelp farms

15:00 - 15:20
Hubert Bonnefond Evolution engineering for enhancing photosynthetic efficiency of high density cultures of *Tisochrysis lutea*

15:20 - 15:40
Bruhn Annette Comparing productivity, biomass quality and genetics of four Danish populations of *Saccharina latissima*

15:40 - 16:00
Thiriet-Rupert Stanislas Identification of transcription factors involved in the phenotype of a domesticated oleaginous microalgae strain of *Tisochrysis lutea*

16:00 -16:30 Coffee break

16:30 - 17:00
Olmix, Pi Nyvall Collen OLMIX group : innovative algae-based solutions, for a better life !

17:00 - 17:10
In Vivo Labs, Cyril Sauvan « Invivo Labs, your analytical expert for algae »

17:10 - 17:30
Bardor Muriel Understanding the N-glycosylation of microalgae: a critical prerequisite towards optimizing the production of biopharmaceuticals

17:30 - 17:50
Holdt Susan Is nitrogen-to-protein conversion factor for seaweed dependent on season?

17:50 - 18:10
Adler-Agmon Zachor Nitrogen-starvation induced expression of proteins in *Phaeodactylum tricorutum*

18:10 - 18:30
Mettler-Altman Tabea Poly-phosphate is a highly dynamic polymer in the green alga *Chlorella vulgaris*

18:30 - 18:50
Terry-Meredith Tarryn May Selection and isolation of indigenous microalgal species for high rate carbon assimilation

16:30 - 16:50
Terme Nolwenn Selective extraction of lipid classes from *S. chordalis* and *S. muticum* using supercritical carbon dioxide and conventional methods

16:50 - 17:10
Dutreix Lucile Use of enzymatic assisted extraction to increase extraction yields of R-PE in different life cycle types of the red seaweed *Chondrus crispus*

17:10 - 17:30
Hazlebeck David Low-energy Harvesting and Dewatering Technology Breakthrough

17:30 - 17:50
Muylaert Koenraad Flocculation-based harvesting of microalgae: the interplay between microalgal biology and flocculation

17:50 - 18:10
Hanumanth Rao Narasinga Rao Impact of protein-carbohydrate chemistry on algal harvesting efficiency using flotation with functionalised bubbles in a novel DAF

18:10 - 18:30
Balduyck Lieselot Lipolytic stability during wet storage of autotrophic microalgae

18:30 - 18:50
Cerón-García M.c Multi-step process for an integral use of biomass from dinoflagellates *Amphidinium* and *Karlodinium*

Auditorium 450

Room 200

08:30 - 09:00 V. Verdelho Contributions for the nomenclature of microalgae production systems
09:00 - 09:30 A.Hurtado Seaweed Extracts as Bio-stimulant in <i>Kappaphycus</i> Cultivation
09:30 - 09:50 Morosinotto Tomas Investigation of the genotype-environment interaction during cultivation of genetically improved microalgae strains
09:50 - 10:10 Pinowska Aga Productivity, biomass composition and operational data from large-scale algae farm on Kauai, Hawaii
10:10 - 10:30 Gomes Rui Heterotrophy and large scale production of <i>Chlorella vulgaris</i> : ALGAFARM case study

09:30 - 09:50 Mugnai Gianmarco Algalization using the cyanobacterium <i>Leptolyngbya ohadii</i> : a biotechnological approach for arid soil rehabilitation
09:50 - 10:10 Mzibra Abir Polysaccharides extracted from Moroccan seaweed a promising source of plant growth promoters
10:10 - 10:30 Nedbal Ladislav <i>C. vulgaris</i> fertilizer to grow wheat on nutrient poor soils

10:30 -11:00 Coffee break

11:00 - 11:20 Greensea Cadoret J.P. Greensea: 30 years dealing with Marine Biotechnology
11:20 - 11:40 Chini Zittelli Graziella Biochemical characterization and in vitro digestibility of microalgal and cyanobacterial biomasses as novel ingredients for food products
11:40 - 12:00 Hafting Jeff Prospects for cultivated <i>C. crispus</i> in the functional food sector
12:00 - 12:20 Goiris Koen The use of microalgae to retard lipid oxidation in model systems and real food matrices
12:20 - 12:40 Zhang Wei Biorefinery of brown seaweeds: prebiotic and neuroprotective potentials for functional foods and nutraceuticals
12:40 - 13:00 Chim Liet Research and Development programming of the AMICAL project to establish a microalgae industry in New Caledonia: First results and outlook.

11:00 - 11:20 Lacour Thomas Growth and photoacclimation of a cryptophyte in response to Nitrogen and light limitation
11:20 - 11:40 Soudant Philippe Effects of harvesting stage and nitrogen limitation on biochemical composition of two strains of <i>Tisochrysis lutea</i>
11:40 - 12:00 Masojidek Jiri Physiological shift from heterotrophic to phototrophic growth in a small-antenna-size strain of <i>Chlorella</i>
12:00 - 12:20 Belay Amha Diurnal variation of various culture and biochemical parameters of <i>Arthrospira platensis</i> in large-scale outdoor raceway ponds
12:20 - 12:40 Heydarizadeh Parisa Acclimation of the diatom <i>Phaeodactylum tricornutum</i> to different light transition: a physiology and molecular study
12:40 - 13:00 Kirke Dara Single and interactive effects of PAR and UV on low molecular weight phlorotannin profiles in <i>Fucus vesiculosus</i> using mass spectrometry

13:00 -14:00 Lunch break

14:00 - 14:20 AlgoSource, Lépine O. Phycocyanin : the first double blind versus placebo clinical study for the development of new nutraceutical products
14:20 - 14:40 Deruyck Bert A simple model to predict rotifer growth in microalgal production cultures
14:40 - 15:00 Sanderson John Craig Prospects for a seaweed farming industry for Tasmania, Australia
15:00 - 15:20 Stevant Pierrick Seaweed aquaculture in Norway: recent industrial developments and future perspectives
15:20 - 15:40 Le Plaine-Mileur Mélanie Algae & innovation: Let's talk about Novel food and Nagoya !
15:40 - 16:00 Abreu Helena Land-based cultivation of two Atlantic nori species: <i>Porphyra dioica</i> & <i>Porphyra umbilicalis</i>

14:00 - 14:20 Galès Amandine Efficiency of CO2 fixation in High Rates Algal Ponds under different pH using marine natural assemblages
14:20 - 14:40 Schoefs Benoît The orientation of carbon metabolism in response to CO2 modifications in the diatom <i>Phaeodactylum tricornutum</i>
14:40 - 15:00 Solovchenko A. Luxury uptake and storage of phosphorus by microalgal cell
15:00 - 15:20 Garnier Matthieu High sensibility to nitrogen and specific regulation of proteins involved carbon partitioning drive lipid over accumulation in <i>Tisochrysis lutea</i> 2X strain.
15:20 - 15:40 Wang Chaogang Increasing fatty acid production in microalgae by metabolic engineering
15:40 - 16:00 Bougaran Gaël Improving microalgae neutral lipid productivity by coupling mutagenesis and flux cytometry

16:00 -16:30 Coffee break

16:30 – 17:00 Poster Session 1

17:00 - 17:10 Roullier
17:10 - 17:20 MIAL
17:20 - 17:40 Fitton J Helen Fucoïdan in complementary medicine applications
17:40 - 18:00 Neumann Ulrike Anti-inflammatory effects of different <i>Phaeodactylum tricornutum</i> extracts on human peripheral blood mononuclear cells
18:00 - 18:20 Demais Hervé Evaluation of the antidepressant- and anxiolytic-like effects of a hydrophilic extract from the green seaweed <i>Ulva</i> sp. in rats
18:20 - 18:40 Fahrendorf Theodor Characterization of immune-modulatory substances from algae
18:40 - 19:00 Peñuela Ana Biochemical composition and antiviral activity of enzymatic hydrolysates from <i>S. filiformis</i> (Rhodophyta) growing under IMTA systems

17:00 - 17:20 Park Jason Treatment of secondary effluent from biological trickling filter (BTF) using high rate algal ponds
17:20 - 17:40 Moheimani Navid Algal culture to treat anaerobic digestion piggy effluent (ADPE).
17:40 - 18:00 Van Eynde Erik Diatom silica-titania for photocatalytic air purification applications
18:00 - 18:20 Pliego-Cortés Hugo In-farm recycling of shrimp wastewater into economically valuable <i>Halymenia floresii</i> grown at land-based IMTA system
18:20 - 18:40 Cadoret Jean-Paul Commercialized products from Algae: From extracts to actives. Three examples
18:40 - 19:00 Vinayak Vandana Oxide based nanoparticles to form Magnetotactic Algae

Auditorium 450	Room 200	Room G/H	Room I	R2
8:00 -13:00 Facilities visits : Algosolis R&D, MMS, Ifremer				
Touristic tours				
13:00 -14:00 Lunch break				
<p>14:00 - 14:20 Laboratoire Gilbert</p>	<p>14:00 - 14:20 Sandmann Michael Insights in lipid enrichment in algal cultures through microscopy based cytometry</p>	<p>14:00 - 16:00 Young researchers workshop</p> <p>« How can I improve my submission to be published ? Tips and tricks » by Alexandrine Cheronet;</p>	<p>14:00 - 16:00 Stakeholders meeting</p>	<p>14:00 - 16:00 B2B meetings</p>
<p>14:20 - 14:40 Benemann John Beneficial Utilization of Power Plant Flue Gas CO2 with Microalgae</p>	<p>14:20 - 14:40 Aussant Justine Effect of abiotic factors on selected microalgae for omega-3 PUFA production</p>			
<p>14:40 - 15:00 Le Gélébart Erwan A step forward in active ingredients development, metabolic induction applied to macroalgae cell culture</p>	<p>14:40 - 15:00 Khazin-Goldberg Inna The peculiar lipid metabolism in <i>Lobosphaera incisa</i> and its biotechnological implications</p>			
<p>15:00 - 15:20 Sayre Richard Producing algae for coproducts and energy (PACE) consortium</p>	<p>15:00 - 15:20 Petursdottir Asta Arsenic containing lipids in brown algae</p>			
<p>15:20 - 15:40 Hennequart Franck Links between composition and functionality of seaweed extracts: a practical case on cosmetic and pharmaceutical applications</p>	<p>15:20 - 15:40 Xu Yanan Biochemical characterisation of newly isolated <i>Dunaliella</i> strains: impact of light on high carotenes content</p>			
<p>15:40 - 16:00 Boussiba Sammy Natural astaxanthin- The superb sunscreen and antioxidant molecule</p>	<p>15:40 - 16:00 Ishika Tasneema Saline microalgae for fucoxanthin production</p>			
16:00 -16:30 Coffee break				
<p>16:30 - 16:50 Subitec</p>	<p>16:30 - 16:50 Tremblay Réjean Prophylactic effect of <i>Haslea ostrearia</i> culture supernatant containing the pigment marennine to stabilize bivalve hatchery production.</p>	<p>16:30 - 18:30 Student contest : Play with your PhD !</p> <p>PhD could be played, singed, danced, picturized (natural or airbrushed), sculpted... or presented in regular manner. More details later...</p>	<p>16:30 - 18:50 Stakeholders meeting</p>	<p>16:30 - 17:10 B2B meetings</p>
<p>16:50 - 17:10 Bergmann Peter Impact of light quality on the growth kinetics of <i>Chlorella sorokiniana</i> in high-density photobioreactors</p>	<p>16:50 - 17:10 Leila Hayashi Effects of brown seaweeds on marine shrimp resistance to White Spot Disease</p>			
<p>17:10 - 17:30 Heredia Vladimir Investigation of the coupling between growth and TAG extraction stages in solar conditions for biodiesel production by microalgae</p>	<p>17:10 - 17:30 Medlin Linda Advances in molecular tools for routine monitoring of toxic algae and pathogens in aquatic ecosystems</p>			
<p>17:30 - 17:50 Behrendt Dominik Piloting microalgae to advanced biofuels ? AUFWIND & OptimAL</p>	<p>17:30 - 17:50 Pontinha Vitor Effects of <i>Sargassum filipendula</i> and <i>Ascophyllum nodosum</i> extracts in the survival of post-larvae of marine shrimp <i>Litopenaeus vannamei</i> under hypothermic stress</p>			
<p>17:50 - 18:10 O'leary Stephen The NRC Algal Carbon Conversion Flagship Program: Research activities in support of commercial algae cultivation in northern regions</p>	<p>17:50 - 18:10 Dewi Intan Antimicrobial compounds from microalgae: potential application of the diatom <i>Haslea ostrearia</i> in aquaculture</p>			
<p>18:10 - 18:30 Olguin Eugenia Mixotrophic cultivation of <i>Chlorococcum</i> sp. under outdoor conditions using a digestate from pig waste as culture medium</p>	<p>18:10 - 18:30 Berri Mustapha Marine algae <i>Ulva armoricana</i>: a new source of sulfated polysaccharides as immunomodulating compound to improve animal health</p>			
<p>18:30 - 18:50 Lim An Suk Mixotrophy in the dinoflagellate <i>Alexandrium pohangense</i>: a specialist for ichthyotoxic dinoflagellate <i>Cochlodinium</i></p>	<p>18:30 - 18:50 Evans Franklin Effect of a macroalga derived <i>Ascophyllum nodosum</i> feed supplement, Tasco®, on the productivity and actions in monogastric and ruminant animals: A review of our latest scientific findings</p>			

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08:30 - 09:00 M.Watanabe Next-generation health functions of microalgae.
09:00 - 09:30 V.Henriquez Microalgae genetic engineering tools for the production of high-value compounds
09:30 - 09:50 Henes B. First single-use and axenic production of high value cosmetic active ingredient
09:50 - 10:10 Tissot-Lécuelle G. Optimized Microalgae for Biomanufacturing of High Added-Value Molecules
10:10 - 10:30 Rebours Céline Norwegian Integrated Multi-Trophic Aquaculture (IMTA) from pilot-scale to a profitable industry

09:30 - 09:50 Van Lis Robert Consortia of the oleaginous yeast <i>Lipomyces starkeyi</i> and the microalga <i>Chlamydomonas reinhardtii</i> for microbial oil production
09:50 - 10:10 Yoneda Kohei A discovery of the novel major lipid droplet protein in marine diatom <i>Phaeodactylum tricornutum</i>
10:10 - 10:30 Fisher Carolyn Investigating the chemical and biological landscape of <i>Nannochloropsis salina</i> cultures to mitigate pond crashes

10:30 -11:00 Coffee break

11:00 - 11:20 GEPEA-Algosolis Marchal Luc Microalgae biorefinery : concepts and necessary process developments
11:20 - 11:40 Ugarte Raul Harvesting of the resource <i>Ascophyllum nodosum</i> in Ireland: implications for its increased demand.
11:40 - 12:00 Molina-Grima Emilio Production of biodiesel from wet microalgal biomass. Process options and economic conditions
12:00 - 12:20 Jubeau Sébastien Wet extraction for the production of active molecules in a biorefinery process
12:20 - 12:40 Hosseini Seyed Abdollah Growth promotion of Wheat and Brassica napus by Seaweed Extract <i>Ascophyllum nodosum</i> (L.) (AZAL5)
12:40 - 13:00 Vidon Patrice Macro and micro-algae valorisation through patents of invention

11:00 - 11:20 Aflalo Claude Data acquisition and control system for microalgal culture in a dual LED-illuminated flat-panel airlift bioreactor
11:20 - 11:40 Schulze Peter Flashing light for microalgal production: current opportunities, limitations and future perspectives
11:40 - 12:00 Guihéneuf Freddy Photoperiod tuning for cost-effective indoor production of bioactive-rich microalgal biomass
12:00 - 12:20 Weissman Joseph High-Light Selection of Algae for Increased Biomass Productivity
12:20 - 12:40 Schmid-Staiger Ulrike Influence of different light intensities on biomass productivity and light yield of <i>Chlorella sorokiniana</i> in flat panel airlift reactors
12:40 - 13:00 Perkins Rupert Photoacclimation to optimise productivity in Haslea blue diatoms

13:00 -14:00 Lunch break

14:00 - 14:10 Algenuity, Spicer Andrew, Algenious Process - Engineering microalgae for future commercial markets
14:10 - 14:20 Hennequart F. Algaia, your natural partner in algal valorisation :Between Research, Development and Markets
14:20 - 14:40 Mazoyer Jacques The notion of Hybridicity ? an efficient tool to explain the carrageenan behaviors
14:40 - 15:00 Boa Ventura T. Felipe Growth rate and carrageenan quality of <i>Kappaphycus alvarezii</i> cultivated with marine shrimp effluent farmed in bioflocs system
15:00 - 15:20 Engelen Aschwin Seaweed microbiomes a resource for aquaculture and biotech applications
15:20 - 15:40 Holdt Susan Adsorption of microplastics to the edible <i>Fucus vesiculosus</i> and possible wash off before food application
15:40 - 16:00 Nyvall Collen Pi The first Seaweed Biorefinery in France: a natural resource for nutrition and health applications

14:00 - 14:20 Van Hal Jaap Driving on sunshine, converting seaweed to furanic biofuels
14:20 - 14:40 Torzillo Giuseppe Constraints in the scale-up of photobiological hydrogen production with microalgae outdoors
14:40 - 15:00 Morales Marjorie Life Cycle Assessment of algal biodiesel production coupled with photovoltaic panels: environmental impacts and energy balance
15:00 - 15:20 Gautam Shristy Gene splicing in diatoms to harness biofuel
15:20 - 15:40 Mathiot Charlie Starch-based bioplastics from microalgae: screening of strains for starch accumulation and plasticization assays of unfractionated algal biomass
15:40 - 16:00 Benoit Maud Development of seaweed-based surfactant

16:00 -16:30 Coffee break

16:30 – 17:00 Poster Session 2

17:00 - 17:20 Lane Todd Algal crop protection strategies and technologies
17:20 - 17:40 Schmedes Peter <i>Palmaria palmata</i> hatchery - tetraspore settlement and development
17:40 - 18:00 Vonshak Avigad What does it take to have an algal strain fitted to mass culture outdoors?
18:00 - 18:20 Augyte Simona Cultivation of a unique form of sugar kelp, <i>Saccharina latissima</i> forma <i>angustissima</i> , from Northwestern Atlantic with a focus on nutrient uptake and production
18:20 - 18:40 Le Norcy Tiffany Impact of roughness and surface hydrophobicity on marine organisms adhesion : focus on microalgae
18:40 - 19:00 Borowitzka Michael What is "stress" in microalgae?

17:00 - 17:20 Rodolfi Liliana Oil and high-value products from the marine diatom <i>Phaeodactylum tricornutum</i>
17:20 - 17:40 Tannoury Mona Antiproliferative and Antioxydant Effects of <i>Sargassum vulgare</i> From the Lebanese Coast Against human colon cancer cells HCT116 Cell Line
17:40 - 18:00 Picot Laurent Antimelanoma activity of <i>Heterocapsa triquetra</i> pigments
18:00 - 18:20 Trepos Rozenn Antibacterial and Antioxidant Properties of Macroalgal Compounds from Brittany
18:20 - 18:40 Boulho Romain Antiherpetic (HSV-1) activity of carrageenans from the red seaweed <i>S. chordalis</i> (Rhodophyta, Gigartinales) extracted by Microwave Assisted Extraction (MAE)
18:40 - 19:00 Burlot Anne-Sophie An enzymatic extract of the proliferative red seaweed <i>S. chordalis</i> reduces the virulence of <i>P. aeruginosa</i> and stimulates the immune system of <i>C. elegans</i>

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08:30 - 09:00

C.Gachon Novel strategies for preventing diseases in cultivated seaweeds

09:00 - 09:30

C.Grewe Industrial application of microalgae in food, feed and cosmetics – current status and perspectives

09:30 - 09:50

Craggs Rupert Performance of hectare-scale wastewater treatment high rate algal ponds in New Zealand's temperate climate

09:50 - 10:10

Ardila Poveda Leidy Relationship between metal content in macroalgae and nutrient concentration in water from coastal systems - Pacific - México

10:10 - 10:30

Cuaresma María Benefits of the usage of commercial fertilizers in the cultivation of *Botryococcus braunii* strains

10:30 - 10:50

Cuello Maria Culture of Microalgae in Mixed Wastewater Streams

10:50 - 11:10

Janssen Marcel Microalgal biofilm cultivation ? experimental testing and model prediction

09:30 - 09:50

Jouanneau Diane Molecule extraction from macroalgae using highly specific enzymes is a source of innovative ingredients for feed and food

09:50 - 10:10

Naseri Alireza Enzymatic extraction and characterization of protein from *Eucheuma denticulatum* (*Eucheuma Spinosum*)

10:10 - 10:30

Kakita Hirota Acidic saccharide microanalysis by high performance liquid chromatography with postcolumn fluorescence derivatization

10:30 - 10:50

Delbrut Antoine Xanthophylls and PUFAs co-production and co-extraction from microalgae for food supplements

10:50 - 11:10

Salaun Yaelle Eviagum SCM range as agar alternative for culture media

11:10 -11:40 Coffee break

11:40 - 12:00

Witkowski Andrzej Stalked, marine benthic diatoms as a reproducible source of chitosan

12:00 - 12:20

Gaignard Clément Identification of an original microalgal exopolysaccharide

12:20 - 12:40

Goncalves Olivier The GCMS characterization of the central carbon metabolism of *Arthrospira platensis* brings insights to its original

12:40 - 13:00

Laroche Céline A new exopolysaccharide from *Flintiella sanguinaria*: production and structural characterization

13:00 - 13:20

De Philippis Roberto The exopolysaccharidic matrix of biocrusts: role and characteristics

13:20 - 14:00

Conclusion

11:40 - 12:00

Titica Mariana Online estimation of microalgae growth in photobioreactor based on oxygen in situ measurements

12:00 - 12:20

Sá Marta 2D - Fluorescence Spectroscopy to monitor *Dunaliella salina* in a biorefinery context

12:20 - 12:40

Bernaerts Tom Screening of rheological properties of various microalgae species towards their application in processed food products

12:40 - 13:00

Lieutaud Christopher Online monitoring by Raman spectroscopy of lipids accumulation produced by microalgae in photobioreactors.

13:00 - 13:20

Bezzo Fabrizio Optimization of algal ponds operation using weather forecasts

14:00 -15:00 Lunch break