
| Board Number | First name | Last name | Title of the Presentation |
|---|---|---|---|
| **01. Physiology** | | | |
| 1 | Lorraine | Archer | Monitoring Chlamydomonas reinhardtii growth in biofilm matrices |
| 2 | Ana | Gomes | Assessment of six microalgae species growth and nutrient composition with potential for marine larviculture |
| 3 | Henrik | Hjelmsmark | Vibro Filtration for harvesting, concentration and refinery |
| 4 | Lorenzo | López Rosales | SOLID SURFACES PRETREATMENT TO PROMOTE THE FORMATION OF MICROALGAL BIOFILMS |
| 5 | Lorenzo | Lopez-Rosales | EVALUATION OF DIFFERENT MATERIALS AS SUBSTRATE LAYER IN A TWIN-LAYER PHOTOBIOREACTOR |
| 6 | Adrián | Macías de la Rosa | MULTIPLE ABIOTIC STRESSOR EFFECTS ON THE PRODUCTION OF BIOACTIVE COMPOUNDS BY THE MICROALGA CHRYSOCHROMULINA ROTALIS |
| 7 | Jiří | Masojídek | Outdoor photoacclimation of two Chlorella strains characterized by normal and reduced light-harvesting antennas: photosynthetic activity and chlorophyll-protein organization |
| 8 | Jonathan | Maury | EFFICACY OF A NATURAL MICROALGAE-BASED BIOACTIVE ON COGNITIVE PERFORMANCE OF GAMERS |
| 9 | John | McGowen | Advancing the State of Technology in Algae R&D |
| 10 | Vincent | Meriot | Effect of nickel and Iron stress on photosynthesis and metabolite production of Heterocapsa cf. bohaiensis (dinoflagellate) |
| 11 | Valéria | Nagy | SUSTAINABLE H2 PRODUCTION AT VARYING LIGHT CONDITIONS AND AT THE INTENSITY OF SUNLIGHT BY THIN CELL LAYER CULTURES OF CHLAMYDOMONAS REINHARDTII |
| 12 | Rui | Pereira | Establishment of a Fucus vesiculosus maternity for Aquaculture |
| 13 | Hugo | Pereira | PERFORMALGAE: ESTABLISHMENT OF HIGH-PERFORMING INDUSTRIAL MICROALGAE CULTURES FOR THE PRODUCTION OF BIOSTIMULANTS AND FUNCTIONAL FEEDS |
| 14 | Arianna | Rizzo | Benthic diatoms cultivation in artificial hydrogels |
| 15 | Veronica | Rossetto | Bioprospecting for behavior-interfering bacteria in mixed cultures with Chlorella vulgaris |
| 16 | Peter | Schulze | Flashing light stimulates pigment and PUFA production but does not improve growth of microalgae |
| 17 | Alexandre | Six | Evaluation of light quality, temperature and nutritive deprivation impact onto starch accumulation in Chlorella vulgaris |
| 18 | Lucas | Solidade | Evaluation of biochemical, antioxidant and antimicrobial activity of 5 species of tropical freshwater microalgae. |
| 19 | Agnese | Stunda-Zujeva | The effect of light intensity on pigment content in A.platensis |
| 20 | An | Tran | Lessons Learned from the Lab: Challenges in Upscaling Microalgae for Diterpenoid Production |
| **02. Food** | | | |
| 21 | Marija | Baković | Spirulina sp. – different drying temperatures and it’s biological activity |
| 22 | Elodie | Beaupeux | DHA oil encapsulation: Optimization of formulation and drying process |
| 23 | Gonzalo | Berzal | Enzymatic synthesis of enriched-omega 3 structured phospholipids from microalgae with neuroprotective activity |
| 24 | Natascia | Biondi | Tisochrysis lutea biomass as a substrate for lactic acid fermentation |
| 25 | Natascia | Biondi | Biomineralization by microalgae as a tool to valorize stone extraction leftovers |
| 26 | Begoña | Bustamante | Revaluation of SWRO brine for the production of carotenoids from a native strain of Dunaliella salina: a case study in Gran Canaria |
| 27 | Gleison | Celente | MICROALGA DUNALIELLA AS AN ALTERNATIVE PROTEIN SOURCE: EXPLORING THE POTENTIAL OF MIXOTROPHIC CULTIVATION |
| 28 | Rozelindra | Čož-Rakovac | Induction of diverse metabolites by co-cultivation of Chlorella vulgaris and Streptomyces rimosus: Determination of bioactive potential |
| 29 | Imogen | Foubert | Effect of ultrasound disruption on lipid extraction from the microalga Nannochloropsis sp. |
| 30 | Camilly | Fratelli | EFFECT OF BIOMASS AND POST-EXTRACTION RESIDUE FROM BRAZILIAN SPIRULINA ON DOUGH RHEOLOGY AND TEXTURE PROPERTIES OF WHEAT BREAD |
| 31 | Konstantin | Frick | Production of microalgae-derived ß-1,3-glucans and their application |
| 32 | Paz | García-García | Extraction of bioactive compounds from Tisochrysis lutea using green solvents and advanced extraction techniques |
| 33 | Ellen | Harrison | Microalgae and bacteria: a match made for space travel? |
| 34 | Héctor | Hernández | Characterization of Halloumi cheese supplemented with algae biomass |
| 35 | Samuel | Jannel | Screening for microalgal biodiversity from Reunion Island in search of potential sources of astaxanthin. |
| 36 | Claude | Kaplan | Natural astaxanthin from a novel fermentation strain of Haematococcus pluvialis |

| Board Number | First name | Last name | Title of the Presentation |
|---|---|---|---|
| 37 | Veronica | Lucato | Nitrogen fixation in cyanobacteria towards new bio-based industrial approaches: experiments and kinetic modeling |
| 38 | Maria | Manuel Gil | Microalgae lipid-enriched extracts for partial fat substitution in bakery products |
| 41 | Nuno | Nunes | Assessing the growth and nutritional characteristics of Chlorella vulgaris when cultivated in a cost-effective way, intended for commercial production in Madeira archipelago |
| 42 | Maria Cristiana | Nunes | IMPROVING THE SENSORY QUALITY OF MICROALGAL FOOD INGREDIENTS |
| 43 | Georgia | Papapanagiotou | Generation of improved Chlorella sorokiniana UV mutants with enhanced lipid accumulation capacity |
| 44 | Tomáš | Potočár | Harvesting of microalgal biomass by oil flotation and sedimentation |
| 45 | Christina | Samara | Upscaling the autotrophic cultivation of Chlorella sorokiniana to produce high-added value macromolecules: from lab-scale units to a semi-pilot cultivation system |
| 46 | Sara | Simões | Microalgae biomass as a clean label ingredient for vegan mayonnaises |
| 47 | Isabel | Sousa | FUNCTIONAL FOODS WITH MICROALGAE: IMPACT OF CONCENTRATION AND DRYING METHODS ON PASTA |
| 48 | Enrica | Uggetti | Wastewater microalgae as biofertilizer: impact on lettuce growth and consumption safety |
| 49 | Simon | Van De Walle | Impact of drying on heterotrophic Chlorella vulgaris: a protein quality assessment |
| 50 | Hans | Väth | Microalgae cultivation in closed photobioreactors, integrated into a circular economy |
| **03. Feed** | | | |
| 51 | Gonçalo | Bastos | NEW MICROALGAE PREMIUM DIET FOR ROTIFERS: EFFICIENCY AND DOSAGE OPTIMIZATION OF PHYTOBLOOM® ELITE FORMULA |
| 52 | Gabriel | Bombo | Dunaliella: Bioprospecting for novel strains and their phylogenetic and biochemical analysis. |
| 53 | Mónica | Costa | Effects of pre-treatments combined with peptidases on Arthrospira platensis protein solubility |
| 54 | Pedro | Cunha | Nannochloropsis oceanica cultivation in successively reused water - viability assessment |
| 55 | Marcella | Fernandes de Souza | MICROALGAE CULTIVATION AS A KEY ENABLING TECHNOLOGY FOR CIRCULAR GREEN BIOREFINERIES |
| 56 | Sarah | Löhn | BIOACTIVES FROM MICROALGAE MICROBIOMES FOR AQUACULTURES |
| 57 | Filipa | Pinheiro | The effect of nitrogen depletion on microalgae for Danio rerio larvae nutrition |
| 149 | Ricardo | Gonzalez | Scaling-up of Spirulina maxima cultures under extreme environmental conditions in the Saudi Arabian desert |
| **04. Process - Automation** | | | |
| 58 | Sara | Badenes | STATIC OPTIMIZATION AND DYNAMIC MODELLING OF MICROALGAE PRODUCTION IN PHOTOBIOREACTORS |
| 59 | Sara | Badenes | RECOVERY AND VALORIZATION OF GASEOUS AND LIQUID EFFLUENTS FROM THE WINE INDUSTRY FOR PRODUCTION OF CHLORELLA BIOMASS AND EXTRACTS |
| 60 | Sara | Martins Badenes | Microalgal bioremediation of an N-rich industrial effluent |
| 61 | Julie | Billy | Light control method based on engineering parameter to manage microalgae and cyanobacteria culture |
| 62 | Pedro | Brandao | Monitoring productivity and status of Phaedactylum tricornutum cultures using spectroscopy and machine learning |
| 63 | Paul | Goudeau | How to guarantee the first grams of culture and maintain the inoculum safe for production |
| 64 | Jacques | Kieffer | Acoustic processing of microalgal cells for multiproduct biorefineries |
| 65 | João | Navalho | Development of a cloud-based automatization system for bioremediation of drainwater using microalgae. |
| 66 | Rodrigo | Rangel | EFFICIENT SELECTION OF ALGAL STRAINS USING A HIGH-THROUGHPUT SCREENING PLATFORM |
| 67 | Joris | Sébile-Meilleroux | Effect of light absorption rate and nitrate concentration on astaxanthin accumulation and productivity of Haematococcus pluvialis cultures grown in chemostat mode |
| **05. Process - Bioactivity measure** | | | |
| 68 | Dorit | Avni | ALGAE4IBD Searching for IBD treatment in algal diversity (HORIZON 2020) |
| 69 | Olfa | Bousselmi | Biodiversity of microalgae in hydrothermal waters form extreme ecosystems in Tunisia |
| 70 | Yahav | Eilam | Photosynthetically Controlled Spirulina, but Not Solar Spirulina, Inhibits TNF-α Secretion: Potential Implications for Functional Food and Pharma |
| 71 | Aurélien | Parsy | Biogas production from halotolerant microalgae biomass: adaptation of anaerobic digestion inoculum to high salinity |
| 72 | Natalie | Shagug | The anti-inflammatory properties of marine microalgae in LPS-induced macrophages |
| 73 | Mélanie | Silva | COMERCIALLY PRODUCED MICROALGAE AS SOURCES OF BIOACTIVE COMPOUNDS FOR FUNCTIONAL FOODS AND PHARMACEUTICALS |
| 74 | Jasper | Sohier | CHEMOSTAT OPERATION AND PRODUCTIVITIES IN A 25 L TUBULAR SYSTEM AT DIFFERENT LIGHT INTENSITIES AND DILUTION RATES |
| **06. Biostimulant, Biocontrol** | | | |
| 75 | Olivier | Bernard | Predicting temperature dynamics in outdoor photobioreactors |
| 76 | Erik | Chovancek | A PHENOTYPING PIPELINE FOR A MICROALGAE-BASED PLANT BIOSTIMULANT |
| 77 | Mate | Futo | SCREENING OF MICROALGAL STRAINS SELECTED FROM FRESHWATER GREEN MICROALGAE COLLECTION FOR ANTIBACTERIAL ACTIVITY |
| 78 | Luisa | Gouveia | PIG 2 WHEAT - Microalgae closing the cycle |
| 79 | Martina | Jokel | Screening and extraction of biopesticides from Nordic microalgae |
| 80 | Simona | Lucáková | Biostimulating and biopesticidal effect of microalgae on legumes |
| 81 | Camila | Marín | Arthrospira maxima extract as a high value biofertilizer in basil (Ocimum basilicum) seedlings |

| Board Number | First name | Last name | Title of the Presentation |
|---|---|---|---|
| 82 | Mathieu | Pernice | INVESTIGATING ALGAE-BACTERIA INTERACTIONS AS BIOCONTROL FOR MARINE PATHOGENIC BACTERIA VIBRIO PARAHAEMOLYTICUS |
| 83 | Gaia | Santini | Variations in biostimulant response according to plant species: the case of Arthrospira and Nostoc-based formulations |
| 84 | Bettina | Ughy | RAISING METABOLIC PRODUCT EXPRESSION IN GREEN ALGAE |
| **07. Cosmetics** | | | |
| 85 | Priscila | Corrêa | MICROALGAE EXTRACTS FOR COSMETIC APPLICATIONS: INFLUENCE OF ABIOTIC STRESS ON THEIR ANTIOXIDANT POTENTIAL |
| 86 | Ana | Martić | Arthrospira platensis and Chlorella vulgaris as Highly Sustainable Ingredients for Eco-friendly Cosmetics |
| **08. Biomaterial** | | | |
| 89 | Felix | Ghyczy | Transition to algae-based plastics |
| 90 | Carola | Griehl | Continuous recovery of hydrocarbons from microalgae by milking |
| 91 | Tomáš | Grivalský | ECOLOGICALLY INNOVATIVE PHB PRODUCTION TECHNOLOGY USING CYANOBACTERIA GROWING IN WASTEWATER |
| 92 | Inna | Khozin-Goldberg | FROM N2 TO CYANOPHYCIN: HIGH-VALUE COMPOUND PRODUCTION THROUGH BIOLOGICAL NITROGEN FIXATION IN CONTINUOUS SYSTEMS |
| 93 | Ricarda | Kriechbaum | Novel tools and strategies for the production of bioplastics in cyanos |
| 94 | Tristan | Stevenson | Use of microalgae to increase the durability of offshore structures in seawater |
| **09. Genetics - Synthetic Biology** | | | |
| 95 | Avik | Banerjee | High-Light induced Lipid regulators in Microalgae |
| 96 | Caroline | Faessler | How stable is the expression of transgenes in the marine diatom Phaeodactylum tricornutum? |
| 97 | Katrin | Geisler | A strong and tuneable promoter for the production of diterpenes in the diatom Phaeodactylum tricornutum |
| 98 | Gonzalo I | Mendoza-Ochoa | ENGINEERING 5'UTRs TO ENHANCE REGULATED GENE EXPRESSION IN THE GREEN ALGA CHLAMYDOMONAS |
| 99 | Holly | Rasmussen | Engineering Lipid Profiles in Thraustochytrids |
| **10. Biorefinery** | | | |
| 100 | Gabriel | Acien | IMPROVEMENT OF VERTICAL MIXING IN RACEWAY PHOTOBIOREACTOR |
| 101 | Daniela | Bárcenas Pérez | SEPARATION OF VALUABLE PIGMENTS FROM PHAEODACTYLUM TRICORNUTUM VIA HIGH PERFORMANCE COUNTERCURRENT CHROMATOGRAPHY |
| 102 | Leen | Bastiaens | DEVELOPMENT OF ECONOMIC VIABLE ALGAE-BASED VALUE-CHAINS in NWEUROPE, WITHOUT AND WITH USE OF SIDE-STREAMS |
| 103 | Oscar | Elizondo Sada | Screening of separation processes for the recovery and recycling of deep eutectic solvents for seaweed biorefineries |
| 104 | Bruno | Ferreira | CONVERSION OF MICROLAGAL-DERIVED POLYSACCHARIDES INTO BIOPOLYESTERS |
| 105 | Sophie | Fon Sing | Starch-rich Chlorella vulgaris production strategies and costs at semi-industrial scale in different photobioreactors |
| 106 | Berat | Haznedaroglu | TECHNO-ECONOMIC ASSESSMENT OF SUSTAINABLE AVIATION FUEL PRODUCED IN AN INTEGRATED ALGAL BIOREFINERY |
| 107 | Jack | Hoeniges | A novel external reflecting raceway pond design for improved biomass productivity : modeling and experimental results |
| 108 | Montse | Jorba Rafart | COMPARISON OF CELL DISRUPTIVE METHODS COMBINED WITH ENZYMATIC TREATMENT FOR CHLORELLA VULGARIS |
| 109 | Cristina | Matos | MULTI-STR3AM: A sustainable multi-strain, multi-method, multi-product microalgae biorefinery integrating industrial side streams to create high value products |
| 110 | Cristina | Matos | The use of membrane ultrafiltration/ diafiltration in the recovery of soluble protein of Nannochloropsis sp. |
| 111 | Sonia | Mohamadnia | Valorization potato starch wastewater by screening and cultivation of valuable microalgae |
| 112 | Aurélie | Mossion | Lipidomic analyses of Parachlorella kessleri depending on photobioreactor used |
| 113 | Francisco | Nunes | Screening extracellular lytic enzymatic activities on microalgae-recruited bacteria isolates for downstream processing applications in microalgae biorefinery |
| 114 | Giacomo | Proietti Tocca | BIOCHEMICAL CO2 CONVERSION INTO VALUE-ADDED PRODUCTS USING MICROALGAE AND ACETOGENS: A TWO-STEP PROCESS |
| 150 | Eryka | Mrotek | Innovative solvent-based phycocyanin extraction from Arthrospira platensis (Spirulina) |
| **11. Transversal - LCA** | | | |
| 115 | Eduardo | López-Herrada | Environmental evaluation of a microalgal-based fungicide |
| 116 | Alexandre | Rodrigues | SUSTAINABLE SOLUTIONS FOR THE INDUSTRIAL PRODUCTION OF MICROALGAE BIOMASS |
| **12. Transversal - Business** | | | |
| 117 | Henrik | Busch-Larsen | Algicel, carbon capture as-a-service |
| 118 | Cátia | Marques | VALSAR – Valorisation of "Sargaço", stranded ashore seaweeds |
| **14. Most originals** | | | |
| 119 | Kazuki | Kambe | Dynamic cultivation planning of microalgae using a parametric logistic equation with Kalman filter |
| 120 | Gabriel Ivan | Romero Villegas | Scaling-up C. merolae cultures under extreme environmental conditions on the mid Red Sea coast of Saudi Arabia |
| 121 | Trisha | Mogany | CYANOBACTERIA IN HOT PURSUIT: FULL GENOME ANALYSIS OF INDIGENOUS EUHALOTHECE SP. AND EVALUATION OF HIGH VALUE PIGMENTS (MYCOSPORINE-LIKE AMINO ACIDS AND PHYCOCYANIN |
| 122 | Cristina | Paulino | Biological contaminants detection from non-aseptic microalgae cultures of Tisochrysis lutea and Phaeodactylum tricornutum |
| 123 | Tamára | Santos | Characterization of the microbiome associated with Tisochrysis lutea industrial production |

| Board Number | First name | Last name | Title of the Presentation |
|---|---|---|---|
| 124 | Maria | Spínola | A new lab protocol to improve protein accessibility of Arthrospira platensis |
| **15. Bioremediation** | | | |
| 125 | Laura | Capobianco | Preliminary simulation of a new fed-batch process, designed for controlling contamination in microalgae cultivation integrated with wastewaters treatment |
| 126 | Cristina | Cavinato | Organic waste dark fermentation effluent as culture medium for Chlorella vulgaris: preliminary assessment of the process |
| 127 | Ivet | Ferrer | Recycling nutrients from wastewater to grow cyanobacteria and recover phycobiliproteins |
| 128 | Jennifer | Gil | Waste management for the ISS using saltwater microalgae |
| 129 | Tomas | Lafarga | Effect of water type on the composition of Tetradesmus almeriensis |
| 130 | Marie-Ange | Leca | Dilution of agro-industrial anaerobic digestates with geothermal water for the low-cost production of Spirulina in a circular economy approach |
| 131 | Inês B. | Maia | Scenedesmus sp. and Koliella antarctica and their potential in fish feed ingredient replacement upon HPH-induced cell disruption |
| 132 | Giorgos | Markou | Utilization of poultry manure extract in mixotrophic cultivation of Auxenochlorella protothecoides: effect of glucose enrichment on biomass growth and biochemical composition |
| 133 | Payam | Mehrshahi | MICROALGAL BIOREMEDIATION OF ORGANIC WASTE: EXAMINING POTENTIAL FOR CIRCULAR WASTE MANAGEMENT |
| 134 | Valeria | Mezzanotte | MICROALGAL-BASED CARBON ENCAPSULATED IRON NANOPARTICLES FOR THE REMOVAL OF MICROPOLLUTANTS FROM WASTEWATER |
| 135 | Kostas | Papadopoulos | Algal Innovation Center at University of Cambridge |
| 136 | Bruno | Pinto | Improving microalgae production and circularity in raceway ponds |
| 137 | Emily | Preedy | Remediation of Industrial CO2 effluent from a nickel refinery by algae |
| 138 | Vaishali | Rani | MICROALGAE AND THEIR POTENTIAL USE IN NITRATE REMOVAL |
| 139 | Sema | Sirin | Bioremediation of hydroponic greenhouse effluent and bioagrichemical applications with microalgae: A case study in Finland |
| 140 | Ioannis | Tzovenis | COMPARATIVE GROWTH STUDY AND BIOMASS VALORIZATION OF ISOLATED MICROALGAE UPON COMMON MEDIA AND HYDROPONIC WASTEWATER CULTIVATION |
| 141 | Ikumi | Umetani | Optimizing protein content in microalgae under fed-batch cultivation using wastewater |
| 148 | Narcis | Ferrer-Ledo | ACIDOPHILIC MICROALGAE FOR THE TREATMENT AND VALORIZATION OF BUTTERMILK |
| **Additional Posters** | | | |
| 142 | Zoé | Buniazet | Bead milling for cell disruption: How bead selection can improve microalgae extraction efficiency? |
| 143 | Tsuyoshi | Takeshita | What to do with microalgae |
| 144 | Isa | Hiemstra | Multi-product biorefinery of seaweed using novel sustainable technologies. |
| 145 | Antonia | Fichtbauer | Integration of microalgae in horticultural drain water treatment for production of plant biostimulants |
| 146 | Alla | Silkina | My title is Repurpose brewing industrial CO2 emissions by Algal technology, |
| 147 | Magali | Siaut | Genetic and metabolic engineering in diatoms for industrial biotech applications |