

EPC7 Posters

All posters should be hanged Sunday 25. Aug 2019 or latest Monday 26. Aug 2019. in the morning until 12:00. The posters will be displayed throughout the conference and should be removed until Friday 30. Aug 2019 10:30 a.m. (until the end of the plenary lecture) in the Oleander room. Presenters should be standing beside their poster on the day and time indicated for the Poster session.

Poster Session 1

Tuesday 27 August: 17.00–19.00

Phylogeny in the 'omics' era: new approaches for the study of the evolution of algae and their organelles

1PO.1 Chahinez Hamedi - COMPLETE CHLOROPLAST GENOME OF THE DIATOM *SKELETONEMA PSEUDOCOSTATUM* FROM THE WESTERN MEDITERRANEAN COAST OF ALGERIA

1PO.2 Shigeyuki Kawano - EXCLUSION AND SELECTION OF MALE AND FEMALE ORGANELLES DURING THE DEVELOPMENTAL PROCESS FROM ZYGOTES TO THE THALLUS IN *ULVA PARTITA*

1PO.3 Jérôme Santolini - FUNCTION AND EVOLUTION OF NO^o AND NO-SYNTASES IN ALGAE

1PO.4 Sze-Looi Song - PHYLOGENETICS OF GRACILARIACEAE BASED ON CHLOROPLAST AND MITOCHONDRIAL GENOMES

1PO.5 Przemysław Dąbek - PRELIMINARY TIME-CALIBRATED MULTIGENE PHYLOGENY OF THE DIATOM FAMILY CYMATOSIRACEAE: IN PURSUIT OF FOSSIL EVIDENCE

Poster Session 2

Tuesday 27 August: 17.00–19.00

Ecology and evolution of algal symbiosis

2PO.1 Jana Steinová - WHAT FACTORS DO SHAPE THE ALGAL-FUNGAL ASSOCIATIONS IN LICHEN SYMBIOSIS (*CLADONIA* LICHENS) ACROSS BROAD GEOGRAPHIC REGIONS?

2PO.2 Hyeon Ho Shin - MOLECULAR PHYLOGENY AND MORPHOLOGY OF *TORQUENTIDIUM* GEN. ET COMB. NOV. FOR *COCHLODINIUM CONVOLUTUM* AND ALLIED SPECIES (CERATOPERIDINIACEAE, DINOPHYCEAE)

Poster Session 3

Thursday 29 August: 17.00–19.00

Biodiversity and biogeography of algae

3PO.1 Daniela Gabriel - A CLOSER LOOK: NEW WORLDWIDE RECORDS OF *RENOUXIA* (RHODOPHYTA), INCLUDING A NEW SPECIES FROM THE RED SEA

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3PO.2 Masakazu Hoshino - INSIGHTS INTO THE ORIGIN OF PARTHENOGENETIC POPULATIONS IN THE BROWN ALGA *SCYTOSIPHON LOMENTARIA* (SCYTOSIPHONACEAE, ECTOCARPALES)

3PO.3 Pilar Díaz-Tapia - MOLECULAR AND MORPHOLOGICAL STUDY OF THE GENUS *LOPHURELLA* (RHODOMELACEAE, RHODOPHYTA) IN AUSTRALIA AND NEW ZEALAND REVEALS FOUR NEW CRYPTIC SPECIES

3PO.4 Viviana Peña - MOLECULAR PHYLOGENETIC ANALYSIS OF THE GENUS *SYNARTHROPHYTON* (HAPALIDIALES, CORALLINOPHYCIDAE): INSIGHTS FROM TYPE COLLECTIONS

3PO.5 Katia Sciuto - POLYPHASIC CHARACTERIZATION OF A *DIXONIELLA* (DIXONIELLACEAE, RHODOPHYTA) STRAIN ISOLATED FROM THE MEDITERRANEAN SEA

3PO.6 Mutue Toyota Fujii - DIVERSITY OF TRIBE AMANSIEAE (RHODOMELACEAE, RHODOPHYTA) ALONG THE BRAZILIAN COAST

3PO.7 Petra Lučić - ISLET OF BLITVENICA, NEW HOTSPOT FOR MACROALGAE - PRELIMINARY RESEARCH

3PO.8 Angela G. Bartolo - A PRELIMINARY GENETIC ASSESSMENT OF THE COASTAL MACROALGAL BIODIVERSITY AROUND THE MALTESE ISLANDS

3PO.9 Waldemar Surosz - GENETIC DIFFERENTIATION AND PHENOTYPIC PLASTICITY WITHIN *CHARA ASPERA* POPULATIONS FROM BRACKISH WATERS IN POLAND

3PO.10 Camila B. de Araújo - *MICRASTERIAS ARCUATA* SPECIES COMPLEX (DESMIDIACEAE, ZYGNEMATOPHYCEAE): IDENTIFICATION BASED ON TRADITIONAL MORPHOMETRIC ANALYSIS AND ITS TAXONOMIC IMPLICATIONS

3PO.11 Bart Van de Vijver - DISCOVERIES OF NEW DIATOM TAXA ASSOCIATED WITH LOGGERHEAD SEA TURTLES IN THE ADRIATIC SEA

3PO.12 Andrzej Witkowski - A NEW GENUS OF MONORAPHID DIATOMS CHARACTERIZED BY THE ALVEOLATE STERNUM VALVE WITH HORSESHOE OBSERVED FROM CORAL REEF HABITATS

3PO.13 Ermin Mašić - DIVERSITY OF DIATOMS IN FRESHWATER OLIGOTROPHIC HABITAT TYPES ON VRANICA MOUNTAIN (BOSNIA AND HERZEGOVINA)

3PO.14 Antonija Kulaš - FIRST OCCURRENCE OF *SYNEDROPSIS ROUNDII* TORGAN, MENEZES, & MELO (BACILLARIOPHYTA) IN EUROPE WITH DESCRIPTION OF HABITAT AND ECOLOGICAL PREFERENCES

3PO.15 Anton Glushchenko - MORPHOLOGY AND BIOGEOGRAPHY OF SPECIES FROM THE DIATOM GENUS *PRESTAURONEIS* BRUDER & MEDLIN

3PO.16 Nikita Martynenko - PHYLOGENY OF THE DIATOM GENUS *PLACONEIS* AND CLOSE RELATED TAXA WITH TAXONOMICAL IMPLICATIONS

3PO.17 Sang Deuk Lee - DIATOM DISTRIBUTION IN SEDIMENT CORES FROM UPO WETLAND, KOREA

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3PO.18 Luca Russo - IDENTIFICATION OF MICROALGAE AND CYANOBACTERIA STRAINS COLLECTED IN THE ARCHAEOLOGICAL SITES OF HERCULANEUM AND OPLONTIS (NAPLES, ITALY).

3PO.19 Wolf-Henning Kusber - CHECKLISTS AND RED LISTS OF GERMAN FRESHWATER ALGAE

3PO.20 Ana C. De la Parra-Guerra - PERIPHYTIC ALGAE AND ENVIRONMENTAL INDICES OF THE LOWER BASIN OF THE CESAR RIVER, DEPARTMENT OF CESAR, CARIBBEAN REGION, COLOMBIA

3PO.21 Suk Min Yun - STUDY ON THE VARIATIONS IN TEMPORAL AND SPATIAL DISTRIBUTION OF MICRO-ALGAE AROUND THE UPSTREAM FRESHWATER FROM THE WEIR

3PO.22 Ana C. De la Parra-Guerra - PHYTOPLANKTONIC VARIATION IN FOUR MARSHES OF THE DEPARTMENT OF ATLANTICO, SUB-REGION CANAL DEL DIQUE, THE CARIBBEAN REGION, COLOMBIA

3PO.23 David U. Hernández Becerril - "EXPECTED" HIGH DIVERSITY OF PHYTOPLANKTON SPECIES FROM THE CENTRAL MEXICAN PACIFIC REVEALED BY METABARCODING

3PO.24 Heidi Tanttú - DNA-BASED MONITORING OF TROPICAL FRESHWATER PHYTOPLANKTON: COMBINING HIGH-THROUGHPUT AMPLICON SEQUENCING, MARKER PIGMENTS, AND MICROSCOPY IN THE CRATER LAKES OF WESTERN UGANDA

3PO.25 Zhun Li - DISCOVERY OF A NEW CLADE NESTED WITHIN THE GENUS *ALEXANDRIUM* (DINOPHYCEAE): MORPHO-MOLECULAR CHARACTERIZATION OF *CENTRODINIUM PUNCTATUM* (CLEVE) F.J.R. TAYLOR

3PO.26 Koh Yokouchi - ULTRASTRUCTURE AND SYSTEMATICS OF TWO UNDESCRIBED SPECIES OF THE GENUS *PARAGYMNODINIUM* (GYMNODINIALES, DINOPHYCEAE)

3PO.27 Joon-Baek Lee - NEW SPECIES OF GENUS *HETEROCAPSA* (DINOPHYCEAE), SAND-DWELLING DINOFLAGELLATES FROM SAND BEACHES OF JEJU ISLAND, KOREA

3PO.28 Wenche Eikrem - MORPHOLOGY AND MOLECULAR PHYLOGENY IN PRYMNESIALES, HAPTOPHYTA

3PO.29 Minseok Jeong - TAXONOMY STUDY OF THE GENUS *SPUMELLA* (CHRYSOPHYCEAE)

3PO.30 Jordan Bishop - A RE-INVESTIGATION OF HISTORIC MATERIALS FROM THE VESTFOLD HILLS IN EAST ANTARCTICA YIELDS BOTH ENDEMIC AND COSMOPOLITAN TAXA ACROSS A NUMBER OF LAKE ECOLOGIES

3PO.31 Wenche Eikrem - TAXMARC: DIVERSITY, TAXONOMY AND DISTRIBUTION OF MARINE PROTISTS IN A CHANGING ARCTIC

3PO.32 Elisabeth Lundsør - STUDIES OF LONG TERM CHANGES OF CHLOROPHYLL A AND ENVIRONMENTAL FACTORS DRIVING THESE CHANGES

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3PO.33 Judy Sutherland - ENDING THIRTY YEARS OF ANONYMITY – CLARIFYING THE IDENTITY OF *GIGARTINA* SP ‘LINDAUER EXSICCATAE NO. 164’

3PO.34 Janja Francé - LARGE-SCALE TESTING OF PHYTOPLANKTON DIVERSITY INDICES FOR THE ASSESSMENT OF GES IN MEDITERRANEAN SUBREGIONS (ADRIATIC, IONIAN AND AEGEAN SEAS)

3PO.35 Daniela Gabriel - RISK EVALUATION AND PRIORITISATION OF NON-INDIGENOUS MACROALGAL SPECIES: A PRELIMINARY TOOL

3PO.36 Chahinez Hamedi - MORPHOLOGICAL AND MOLECULAR IDENTIFICATION OF STRAINS FROM AN OASIS FROM TAMANRASSET

3PO.37 Stefanie Hofer - DEVELOPMENT AND VALIDATION OF AN HPLC METHOD FOR THE QUANTITATIVE ANALYSIS OF BROMOPHENOLIC COMPOUNDS IN THE RED ALGA *VERTEBRATA LANOSA*

3PO.38 Sabine Keuter - ECOLOGICAL CONTROLS OF THE SEASONAL DYNAMIC OF THE COSMOPOLITAN COCCOLITHOPHORE *EMILIANA HUXLEYI* IN AN OLIGOTROPHIC SYSTEM

3PO.39 Nikola Koletić - EXPANDING THE FRONTIERS: CHECKLIST OF CROATIAN FRESHWATER RHODOPHYTES

3PO.40 Maxim Kulikovskiy - MOLECULAR PHYLOGENY AND EVOLUTION OF DIATOM GENERA FROM THE FAMILY STAURONEIDACEAE D.G. MANN

3PO.42 Maria Orfanoudaki - MYCOSPORINE-LIKE AMINO ACIDS, BROMINATED AND SULPHATED PHENOLS: SUITABLE CHEMOTAXONOMIC MARKERS FOR THE IDENTIFICATION OF *BOSTRYCHIA* SP. (CERAMIALES, RHODOPHYTA)

3PO.43 Daniel Remias - A NEW CROISSANT-SHAPED TREBOUXIOPHYCEAE FROM VULCANIC SOIL AT ICELAND EXHIBITS HIGH LEVELS OF UNSATURATED FATTY ACIDS

3PO.44 Conxi Rodríguez-Prieto - RECENT ADVANCES IN KNOWLEDGE OF THE EUROPEAN HALYMENIALES

Poster Session 4

Tuesday 27 August: 17.00–19.00

Algal cell biology: making sense of cell structure

4PO.1 Zenilda Laurita Bouzon - EVALUATION OF TEMPERATURE EFFECTS ON THE RELEASE, ADHESION, AND GERMINATION OF THE TETRASPORES OF *GELIDIUM FLORIDANUM* (RHODOPHYTA, FLORIDEOPHYCEAE)

4PO.2 Annika Messemer - FUNCTIONAL STUDIES OF A DIATOM-SPECIFIC CELL WALL SYNTHESIS PROTEIN

4PO.3 Sarah Bach - DEGRADATION OF CHRYSOLAMINARIN MEDIATED BY β -GLUCOSIDASES IN THE DIATOM *PHAEODACTYLUM TRICORNUTUM*

4PO.4 Mia Bužančić - MORPHOLOGICAL CHARACTERIZATION OF *SKELETONEMA GREVILLEI* (BACILLARIOPHYTA, THALASSIOSIRALES)

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4PO.5 Ewa Górecka - LIPID ACCUMULATION BY CLOSELY RELATED DIATOM TAXA AT DIFFERENT LIFE-CYCLE STAGES

4PO.6 Alexandra Lukáčová - *EUGLENA GRACILIS*, STRAIN Z AS A MODEL ORGANISM FOR MONITORING THE TOXIC EFFECT OF XYLENE

4PO.7 Jong Seok Moon - CELLULAR MECHANISMS OF CHLOROSIS IN *PYROPIA YEZOENSIS* AND DEVELOPMENT OF THE RESISTANT STRAIN

4PO.8 Ji Ho Yun - HOW BIG A WOUND A CELL CAN ENDURE?: CELL REPAIR FROM NEEDLE PUNCTURES IN A RED ALGA *GRIFFITHSIA MONILIS*

4PO.9 Sandra C. Craveiro - FINE-STRUCTURAL ORGANIZATION OF A COLD-WATER, HETEROTROPHIC DINOFLAGELLATE FROM DISKO BAY, GREENLAND

4PO.10 Mariia Molchanova - SYNTHESIS AND DEGRADATION OF CHRYSOLAMINARIN – THE MAIN STORAGE CARBOHYDRATE IN DIATOMS

4PO.11 Mariana S. Pandeirada - CONTRIBUTIONS TO THE FINE-STRUCTURAL CHARACTERIZATION OF *PARVODINIUM* (DINOPHYCEAE)

4PO.12 Jana Pilátová - ON THE CHEMICAL NATURE OF INTRACELLULAR INCLUSIONS IN THE EUSTIGMATOPHYTE *VACUOLIVIRIDE CRYSTALLIFERUM* USING IN SITU ANALYSIS BY RAMAN MICROSCOPY

Poster Session 5

Tuesday 27 August: 17.00–19.00

Life cycles and life strategies of micro- and macroalgae

5PO.1 Martina Pichrtová - THE ROLE OF COLD ACCLIMATION IN FREEZING TOLERANCE OF *ZYGNEMA* (ZYGNEMATOPHYCEAE) FROM DIFFERENT CLIMATIC CONDITIONS

5PO.2 Franz Goecke - FLOW CYTOMETRIC CHARACTERIZATION OF GAMETOPHYTES OF *SACCHARINA LATISSIMA* AND ATTEMPTS TO AFFECT PLOIDY

5PO.3 Ewa Treska - INFLUENCE OF POLYPHENOLS PRODUCED BY *CLADOPHORA GLOMERATA* (L.) KÜTZ. ON PERIPHYTIC DIATOM COMMUNITY

5PO.4 Tomás Agustín Rearte - SURVIVAL STRATEGIES OF THE MICROALGA *OEDOCLADIUM CIRRATUM* IN DIFFERENT CULTURE CONDITIONS FOR BIOTECHNOLOGICAL PURPOSES

5PO.5 Eva Hejduková - HOW TO SURVIVE WINTER? ANNUAL STUDY OF FRESHWATER DIATOMS IN THE ARCTIC

5PO.6 Martin Pfannkuchen - PHYSIOLOGICAL DIVERSIFICATION OF DIATOMS IN A HIGHLY STRUCTURED MARINE PHYTOPLANKTON ECOSYSTEM SHOWS NO PHYLOGENETIC CONSTRAINT

5PO.7 Lenka Procházková - A NEW *CHLOROMONAS* SPECIES (VOLVOCALES, CHLOROPHYCEAE) CAUSING SNOW BLOOMS IN HABITATS WITH VERY DIFFERENT LIGHT CONDITIONS

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5PO.8 Sung Mi Cho - COLD SIGNALLING PATHWAY ASSOCIATED WITH TRANSCRIPTIONAL REGULATION OF ICE-BINDING PROTEINS OF POLAR MICROALGA, *CHLOROMONAS* SP.

Poster Session 6

Monday 26 August: 17.00–19.00

Biofilms and microphytobenthos: community composition, physiology, functional aspects, interactions with bacteria

6PO.1 Sarah Schembri - PHOTOTROPHIC COMMUNITIES COLONISING A ROCKY SHORE IN SLIEMA, MALTA

6PO.2 Angela Wulff - AUTOTROPHS IN ANTARCTIC MELTWATER MICROBIAL MATS – THE TOUGH SURVIVORS PART II

6PO.3 Gabrielle Zammit - PHOTOTROPHS OF THE MARINE LITTORAL: STRATEGIES FOR BIOFILM AND BIOMAT FORMATION

6PO.4 Willem Stock - TRACING CARBON IN MARINE PHOTOTROPHIC BIOFILMS

6PO.5 Hanna Bae - DIATOM ASSEMBLAGES EXPOSED TO GLACIER RETREAT DURING AUSTRAL SUMMER IN MARIAN COVE, KING GEORGE ISLAND, ANTARCTICA

6PO.6 Viktória B-Béres - HOW DO DIATOMS SEE THE EXTREME WEATHER EVENTS?

6PO.7 Mirta Smodlaka Tanković - “PLASTIC BIOME” – PRIMARY COLONIZATION OF DIFFERENT PLASTIC FOILS IN THE MARINE ENVIRONMENT

6PO.8 Jelena Krizmanić - GREEN FROGS SKIN HARBOURS MICROBIOTA TREASURE

6PO.9 Jelena Krizmanić - PHOTOAUTOTROPHIC AND FUNGAL BIOFILM CONSTITUENTS OF EUROPEAN POND TURTLE (*EMYS ORBICULARIS* L.) CARAPACE FROM DELIBLATO SAND (SERBIA)

6PO.10 Klara Filek - COMPARATIVE ANALYSIS OF THE EPIBIOTIC DIATOM ASSEMBLAGE ON LOGGERHEAD SEA TURTLES IN PRE- AND POST-HOSPITALIZATION PERIOD

6PO.11 Marta Krzywda - MOLECULAR PHYLOGENY OF DIATOMS ASSOCIATED WITH CARAPACE BIOFILMS OF LOGGERHEAD TURTLE (*CARETTA CARETTA*). COMPARISON OF DATA FROM 2014 TO 2018

6PO.12 Jéssica Vilhena - ANALYSIS OF THE PHYTOPLANKTON AND THEIR RELATIONSHIP WITH PHYSICOCHEMICAL VARIABLES OF WATER IN A NEWLY CREATED HYDROPOWER RESERVOIR IN THE NORTHEASTERN EXTREME OF THE AMAZON

6PO.13 Julie Séveno - FIRST INVESTIGATIONS OF BLUE *HASLEA* BLOOMS IN NATURAL ENVIRONMENTS (CALVI BAY, CORSICA, FRANCE)

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6PO.14 Paulina Szcześniak - EXPERIMENTS ON SALINITY TOLERANCE OF TWO BENTHIC BALTIC SEA DIATOM SPECIES

6PO.15 Áron Lukács - COLONIZATION OF BENTHIC ALGAE UNDER STABLE AND UNSTABLE ENVIRONMENTAL CONDITIONS - FUNCTIONAL APPROACHES

6PO.16 Jéssica Vilhena - ANALYSIS OF THE METHODS USED TO CLEAN SOFT-BOTTOMS DIATOMS SAMPLES

Poster Session 7

Monday 26 August: 17.00–19.00

Algae in a changing environment: perception of environmental signals, physiological changes, changes in community composition

7PO.1 Małgorzata Witak - SIGNAL OF ANTHROPOPRESSURE IN THE GULF OF GDAŃSK BASED ON DIATOM TAPHOCOENOSES

7PO.2 Małgorzata Witak - EVIDENCE OF EUTROPHICATION AND WASTEWATER CONTAMINATION OF THE GULF OF GDAŃSK BASED ON THE DIATOM ANALYSIS

7PO.3 Lenka Raabová - IMPACT OF ANTIBIOTICS ON MICROSCOPIC PHOTOTROPHS IN WATER ENVIRONMENT

7PO.4 Amie Parris - SPATIAL PATTERNS OF PHOSPHORUS AVAILABILITY AND RELEASE AS A DRIVER FOR ALGAL BLOOMS IN THE UK

7PO.5 Antonija Kulaš - NITRATE CONCENTRATION IN ALLUVIAL AQUIFER OF THE DRAVA RIVER IN CORRELATION WITH TOXIC ALGAL BLOOM

7PO.6 Croteau Dany - LESS ICE, MORE LIGHT: HOW WILL A BRIGHTER ARCTIC OCEAN IMPACT THE SEASONAL SPECIES SUCCESSION OF DIATOMS?

7PO.7 Sanda Skejić - BLOOM OF COCCOLITHOPHORE *SYRACOSPHAERA HALLDALII* IN THE MIDDLE ADRIATIC ESTUARY

7PO.8 Serena Flori - INVESTIGATING THE ROLE OF CHLOROPLAST CA²⁺ SIGNALLING IN DIATOMS

7PO.9 Jochen Buck - THE ROLE OF LHCX PROTEINS AND THE MECHANISM OF NON-PHOTOCHEMICAL FLUORESCENCE QUENCHING IN THE DIATOM *PHAEODACTYLUM TRICORNUTUM*

7PO.10 Mima Romanović - THE EFFECTS OF IONIZING IRRADIATION ON GROWTH AND LIPID PRODUCTION IN *CHLORELLA SOROKINIANA*

7PO.11 Nives Novosel - CHANGES IN MOTILITY AND ADHESION BEHAVIOR OF *DUNALIELLA TERTIOLECTA* BUTCHER UNDER PRESENCE OF HEAVY METAL CADMIUM

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7PO.12 Martina Kešel'áková - HYDROLASES INVOLVED IN METABOLISM OF PARAMYLON IN EUGLENOID FLAGELLATES

7PO.13 Snežana Vojvodić - ADAPTIVE RESPONSE OF *CHLORELLA SOROKINIANA* TO IONIZING RADIATION ON THE LEVEL OF CELL WALL

7PO.14 Dubravka Špoljarić Maronić - THE INFLUENCE OF SELENITE ON GROWTH AND ANTIOXIDATIVE RESPONSE IN GREEN MICROALGA *MONORAPHIDIUM* CF. *CONTORTUM*

7PO.15 Nataliya Shkurina - SCREENING OF DIATOM CULTURES FOR INVESTIGATING THE DISTRIBUTION OF FATTY ACID AND HIGHLY BRANCHED ISOPRENOID (HBI) BIOMARKERS

7PO.16 Sara Barrientos - TWENTY YEARS OF OBSERVED CHANGES IN THE DISTRIBUTION OF INTERTIDAL SEAWEEDS IN GALICIA (NW IBERIA): LONG-TERM CHANGES OR TRANSIENT FLUCTUATIONS?

7PO.17 Nelso P Navarro - DIFFERENTIAL SENSIBILITY OF HAPLOID AND DIPLOID PROPAGULES OF *MAZZAELLA LAMINARIOIDES* UNDER UV AND TEMPERATURE STRESS

7PO.18 Jocelyn Jofre - SHORT-TERM EFFECT OF UV AND LOW TEMPERATURE ON ULTRASTRUCTURE OF *IRIDAEA CORDATA* SPORES: IMPLICANCE FOR PHOTOSYNTHETIC ACTIVITY

7PO.19 Chiara Giommi - MACROALGAL BIODIVERSITY RESPONSE UNDER A MULTIPLE STRESSOR SCENARIO

7PO.20 Fabio Nauer - GROWTH AND PHOTOSYNTHETIC RESPONSES OF RED AND GREEN PHENOTYPE OF *HYPNEA PSEUDOMUSCIFORMIS* (GIGARTINALES, RHODOPHYTA) UNDER TWO IRRADIANCES

7PO.21 Raquel Sánchez de Pedro - MICROCLIMATE ACCOUNTS FOR DEMOGRAPHIC, MORPHOLOGICAL AND REPRODUCTIVE DIFFERENTIATION OF TWO NEIGHBOUR PERIPHERAL POPULATIONS OF THE CANOPY-FORMING *FUCUS GUIRYI*

7PO.22 Sotiris Orfanidis - PHENOTYPING OF THE GENUS *CYTOSEIRA* TO ENVIRONMENTAL STRESS BY USING GROWTH AND CHLOROPHYLL A FLUORESCENCE

7PO.23 Anna Fricke - RESPONSES OF TWO PHYTOBENTHIC BLOOM FORMERS TO THE COMBINED PRESSURES OF GLOBAL WARMING AND EUTROPHICATION

7PO.24 Sebastià Capó-Bauçà - CARBON ACQUISITION AND ASSIMILATION IN MARINE AND FRESHWATER ANGIOSPERMS

7PO.25 Paula S. M. Celis-Plá - ECOPHYSIOLOGICAL RESPONSES UNDER INCREASED TEMPERATURES MEDIATED BY FUTURE CLIMATE CHANGE SCENARIOS ON SPECIES OF INTERTIDAL MACROALGAE FROM KING GEORGE ISLAND, ANTARCTICA

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7PO.26 Paula S. M. Celis-Plá - MAPK SIGNALLING PATHWAY MEDIATING COPPER EXCESS IN GREEN MACROALGAE *ULVA COMPRESSA* (CHLOROPHYTA) INFLUENCE ON PHOTOSYNTHETIC ACTIVITY AND COPPER METAL EXCLUSION/EXTRUSION MECHANISMS

7PO.27 Fiona Tomas - RESPONSE OF THE INVASIVE TROPICAL SEAWEED *HALIMEDA INCRASSATA* TO WARMING AND ACIDIFICATION

7PO.28 Damien Sirjacobs - COMPLETING FORTY YEARS OF INVESTIGATION ON MACROALGAL DISTRIBUTIONS IN CALVI BAY (CORSICA, FRANCE)

7PO.29 Yvonne Nemcova - HERE AND THERE MORE THAN EVERYWHERE; DISTRIBUTION OF SILICA-SCALED CHRYSOPHYTES OVER EUROPE - WHAT ARE THE MAIN DRIVERS?

7PO.30 Soria Delva - ADAPTATION AND ACCLIMATION IN TIMES OF OCEAN WARMING: A CASE STUDY OF THE BROWN SEAWEED *DICTYOTA DICHOTOMA* IN EUROPE

7PO.31 Delin Duan - NON-CODING RNAs INVOLVED WITH REGULATION OF CRY-DASH IN THE EARLY DEVELOPMENT AND GROWTH OF *SACCHARINA JAPONICA* (LAMINARIALES, PHAEOPHYCEAE)

7PO.32 Chiara Giommi - DIFFERENTIAL RESPONSE OF INTERTIDAL ALGAE IN COPING WITH A HEAT WAVE: A FUNCTIONAL APPROACH

7PO.33 Chan Young Hong - BLUE AND RED LIGHT DIFFERENTIALLY REGULATES CHLOROPLAST MOVEMENT IN A GREEN ALGA *BRYOPSIS PLUMOSA*

7PO.34 Anna Kluibenschedl - CRUSTOSE CORALLINE ALGAE RECRUITMENT: EFFECTS OF SEAWATER PH AND IRRADIANCE

7OR.35 Ángel Mateo-Ramírez - RESPONSE OF THE SEAGRASS *CYMODOCEA NODOSA* TO HEAT WAVES: ROLE OF GENOTYPIC DIVERSITY

7OR.36 Raquel Sánchez de Pedro - THERMAL RESILIENCE IN EMBRYOS OF *FUCUS GUIRYI* FROM A MARGINAL INTERPAROUS SOUTHERN POPULATION: MAY THEY COPE WITH ONGOING GLOBAL WARMING?

7PO.37 Alba Vergés - EFFECT ON THE GROWTH OF MARINE *BANGIA* POPULATIONS UNDER POLLUTANTS. ARE THERE ECOTYPES?

7PO.38 Brigitte Gontero - A NEW WIDESPREAD SUBCLASS OF CARBONIC ANHYDRASE IN MARINE PLANKTON

7PO.39 Tamar Zohary - THERE TO STAY: INVASIVE FILAMENTOUS GREEN ALGA *MOUGEOTIA* IN LAKE KINNERET, ISRAEL

7PO.40 Lander Blommaert - REGULATION OF THE XANTHOPHYLL CYCLE IN DIATOMS

7PO.41 Jack Dickenson - THE ROLE OF NADPH OXIDASE IN DIATOM ROS SIGNALLING

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7PO.42 María L Parages - ECOPHYSIOLOGICAL AND MOLECULAR INVOLVEMENT OF EXTRACELLULAR-REGULATED PROTEIN KINASES (ERK 1/2) IN THE RESPONSE OF *DUNALIELLA VIRIDIS* TO HEAT STRESS

7PO.43 Kristian Spilling - IMPACTS OF REDUCED INORGANIC N:P RATIO ON THREE DISTINCT PLANKTON COMMUNITIES IN THE HUMBOLDT UPWELLING SYSTEM

7PO.44 Charlotte Volpe - ANALYSIS OF THE ALB3B KNOCK OUT LINES OF THE DIATOM PHAEODACTHYLUM TRICORNUTUM BASED ON RESONANCE RAMAN SPECTROSCOPY

7PO.45 Camilla H. Corneliussen Hagman - USING PIGMENT MARKERS TO TRACK THE DEVELOPMENT OF AN ALLEGED INVASIVE ALGAL SPECIES

7PO.46 Marina Aboal - INTERACTIVE EFFECT OF TEMPERATURE AND NUTRIENT STOICHIOMETRY ON POPULATION DYNAMICS AND STALK PRODUCTION OF *LICMOPHORA COLOSALIS* (BACILLARIOPHYTA): PERSPECTIVES IN A CLIMATE CHANGE SCENARIO

7PO.47 Gina De La Fuente - FIRST *EX SITU* OUTPLANTING OF THE HABITAT-FORMING SEAWEED *CYTOSEIRA AMENTACEA* VAR. *STRICTA* FROM A RESTORATION PERSPECTIVE

Poster Session 8

Thursday 29 August: 17.00–19.00

Omics and genetic tools for algal model organisms_ understanding the biology of algae using metabolomic, proteomic, and genomic approaches

8PO.1 Dominika Vešelényiová - CALPAIN PROTEASES IN THE FLAGELLATE *EUGLENA GRACILIS* AND *EUGLENA LONGA*

8PO.2 Reuben Gilbertson - EFFICIENT CRISPR/CAS-MEDIATED HOMOLOGOUS RECOMBINATION IN THE MODEL DIATOM *THALASSIOSIRA PSEUDONANA*

8PO.3 Soo Hyun Im - CHARACTERIZATION OF AUREOCHROMES - NOVEL BLUE LIGHT PHOTORECEPTORS IN DIATOMS

8PO.4 Marie-Mathilde Perrineau - QUANTITATIVE TRAIT LOCUS (QTL) ANALYSIS AND GENOME-WIDE ASSOCIATION STUDY (GWAS) OF BROWN ALGAE: THE KEYSTONES TO MARKER-ASSISTED SELECTION FOR THE SEAWEED INDUSTRY

8PO.5 Francesco Bellamoli - IDENTIFICATION OF PUTATIVE G-PROTEINS IN GREEN MICROALGAE BY GENOME AND TRANSCRIPTOME ANALYSIS

8PO.6 Minjae Kim - DRAFT GENOME SEQUENCE AND COMPARATIVE GENOME ANALYSIS OF THE MARINE MICROALGA, *DUNALIELLA TERTIOLECTA*

8PO.7 Onyou Nam - TRANSCRIPTOME ANALYSIS OF COCCOLITHOPHORID ALGA *EMILIANA HUXLEYI* CCMP371 AT DIFFERENT CALCIUM CONCENTRATIONS

Poster Session 9

Tuesday 27 August: 17.00–19.00

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Algae in their ecosystems: novel approaches to study algal ecology

9PO.1 Florian Douay - TO WHAT EXTENT SPECTRAL IMAGERY AND REFLECTANCE CAN BE USED TO MAP INTERTIDAL MARINE MACROALGAE?

9PO.2 Yoichi Sato - INFLUENCE OF GROWTH DENSITY ON THE CULTIVATION ROPE ON MORPHOLOGY OF *UNDARIA PINNATIFIDA* SPOROPHYTES AND THE INDUSTRIAL PRODUCTIVITY

9PO.3 Sotiris Orfanidis - VARIATION OF PHOTOPHILIC MACROALGAE FUNCTIONAL METRICS OF ROCKY COASTS, WITH EMPHASIS ON THE BIOTIC INDEX EEI-C, ACROSS THE MEDITERRANEAN SEA

9PO.4 Veronika Dashkova - PHYTOPLANKTON COMMUNITY STRUCTURE IN LAKE BALKHASH – ABUNDANCE, BIOVOLUME AND BIOMASS ASSESSED BY IMAGING FLOW CYTOMETRY

9PO.5 Tina Elersek - ASSESSMENT OF BIODIVERSITY AND WATER QUALITY IN THE ALPINE REGION WITH INNOVATIVE APPROACHES

9PO.6 François Gevaert - A NEW FULLY-AUTOMATED BENTHIC CHAMBER FOR MEASURING PHOTOSYNTHESIS VIA THE PRODUCTION OF OXYGEN OF WHOLE AQUATIC ORGANISMS UNDER NATURAL FIELD CONDITIONS DURING IMMERSION

9PO.7 Kyoungsoon Shin - QUANTIFYING INDICATIVELY LIVING PHYTOPLANKTON SPECIES: P.COUNTER

9PO.8 Zsuzsanna Kókai - WATER USAGE OR SEASONALITY IS THE KEY FACTOR IN SHAPING OF ALGAL DIVERSITY AND DIATOM BASED WATER QUALITY?

9PO.9 Anamarija Kolda - DIVERSITY OF MARINE CYANOBACTERIA IN COASTAL WATERS AND SEDIMENTS IN CENTRAL AND SOUTHERN EASTERN ADRIATIC SEA

9PO.10 Petar Žutinić - APPLICATION OF NEW TOOLS IN BIOMONITORING OF A FRESHWATER KARSTIC LAKE VISOVAC (CROATIA)

9PO.11 Kateřina Trumhová - SEASONAL DYNAMICS OF MATS COMPOSED BY GREEN CONJUGATING ALGA *ZYGNEMA* SP. (ZYGNEMATOPHYCEAE)

9PO.12 Danijela Vidaković - TESTING THE APPLICABILITY OF DIATOM INDICES FOR ECOLOGICAL ASSESSMENT OF BALKAN LAKES

9PO.13 Wonho Yih - EFFECTS OF VITAMIN CONDITIONS ON FEEDING BY THE RED-TIDE DINOFLAGELLATE *HETEROCAPSA ROTUNDATA*

9PO.14 Yeong Du Yoo - GRAZING IMPACT BY THE EUGLENOPHYTES ON NATURAL POPULATIONS OF MARINE HETEROTROPHIC BACTERIA IN THE COASTAL WATERS OF KOREA

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Poster Session 10

Monday 26 August: 17.00–19.00

Microbial friends and enemies of algae

10PO.1 Bertille Burgunter-Delamare - EXPLORING THE *SACCHARINA LATISSIMA* MICROBIOME

10PO.2 Catherine Leblanc - EXPLORING THE ADAPTATION OF SURFACE MICROBIOTA IN THE KELP HOLOBIONT

10PO.3 Vivien Hotter - SHEDDING LIGHT ON MICROALGAL-BACTERIAL INTERACTIONS

10PO.4 Dajeong Lee - THE ROLE OF RESPIRATORY BURST OXIDASE IN DEFENSE AGAINST TWO OOMYCETE PATHOGENS IN THE RED ALGA *PYROPIA TENERA*

10PO.5 Ji Hye Park - PRIMING OF THE RESISTANCE AGAINST OOMYCETE PATHOGENS THROUGH DESICCATION AND FREEZING IN *PYROPIA YEZOENSIS* (RHODOPHYTE)

10PO.6 Sylvie Rousvoal - A MINIATURIZED CULTURE SYSTEM FOR *LAMINARIA DIGITATA* AND *SACCHARINA LATISSIMA* SPOROPHYTES, ADAPTED TO GROWTH MONITORING AND CO-CULTURE TESTS

10PO.7 Xianying Wen - SYSTEMIC ACQUIRED RESISTANCE IN *DASYSIPHONIA JAPONICA* (RHODOPHYTA) AGAINST OOMYCETE PATHOGEN *OLPIDIOPSIS HETEROSIPHONIAE*

10PO.8 Jeong Eun Lee - APPLICATION OF CALCIUM SALTS AND ORGANIC ACIDS AS TREATING MEASURES AGAINST THE OOMYCETE PATHOGENS IN *PYROPIA* SEA FARMS IN KOREA

10PO.9 José Pintado - THE EFFECT OF LIGHT ON *PHAEOBACTER GALLAECIENSIS* BIOFILMS ON *ULVA OHNOI* (ULVALES, CHLOROPHYTA)

Poster Session 11

Thursday 29 August: 17.00–19.00

Biotechnological applications of algae: algae as a source of food, drugs, energy

11PO.1 Jong-il Choi - OVEREXPRESSION OF APX AND MNSOD FROM *PYROPIA YESOENSIS* IN *CHLAMYDOMONAS*

11PO.2 Lander Blommaert - VALGORIZE: VALORISATION OF ALGAE FOR A BETTER TASTE

11PO.3 Yukyoung Jeon - AMELIORATIVE EFFECTS OF GLYCOSYLGLYCERIDES FROM THE BROWN ALGA *AGARUM CLATHRATUM* SUBSP. *YAKISHIRIENSE* ON INSULIN-INDUCED PANCREATIC ISLET DAMAGE IN ZEBRAFISH

11PO.4 Jong Hwan Kwak - ANTI-DIABETIC ACTIVITY OF A NOVEL MONOGALACTOSYLMONOACYL-GLYCEROL ISOLATED FROM *AGARUM CLATHRATUM* SUBSP. *YAKISHIRIENSE* ON ALLOXAN-INDUCED ZEBRAFISH MODEL FOR TYPE 1 DIABETES

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11PO.5 Jong-il Choi - DEVELOPMENT OF *PORPHYRA LUCASII* MUTANT BY IRRADIATION

11PO.6 Hyung-Gwan Lee - OVEREXPRESSION OF DNAJ-LIKE CHAPERONE FROM *IPOMEA BATATAS* FOR ENHANCED CAROTENOID SYNTHESIS IN MICROALGAE

11PO.7 Tamára Santos - SELENIUM BIOACCUMULATION AND BIOTRANSFORMATION IN BATCH CULTURES OF *ISOCHRYSIS GALBANA*

11PO.8 Angela Wulff - DIATOM FRUSTULES – USEFUL MIRACLES DESIGNED BY EVOLUTION

11PO.9 Uthman Badmus - SE-ENRICHED ALGAE: A POTENTIAL FUNCTIONAL FOOD

11PO.10 Tomás Agustín Rearte - EXPLORING CULTIVATION CHARACTERISTICS OF A TERRESTRIAL STRAIN OF *ZYGNEMA* SP. FOR BIOTECHNOLOGICAL PURPOSES

11PO.11 Veronica Malavasi - A PRELIMINARY COMPARATIVE STUDY OF METABOLIC AND MORPHOLOGICAL CHANGES OF TWO UNICELLULAR TREBOUXIOPHYCEAE (CHLOROPHYTA) FROM SCCA

11PO.12 Ewa Górecka - POSITIVE INFLUENCE OF DIATOM PIGMENT MARENININE ON OYSTER LARVAE SURVIVAL

11PO.13 Marina Grubišić - POTENTIAL FOR LIPID PRODUCTION OF DIATOMS ISOLATED FROM ADRIATIC SEA

11PO.14 Minjae Kim - STRATEGIES FOR INCREASE ZEAXANTHIN PRODUCTIVITY IN *DUNALIELLA TERTIOLECTA*

11PO.15 Sang Min Kim - CORRELATION BETWEEN SPECIFIC GROWTH RATE OF MICROALGA *PHAEODACTYLUM TRICORNUTUM* AND FUCOXANTHIN BIOSYNTHESIS FOR SEMI-CONTINUOUS CULTURE APPLICATION

11PO.16 Judita Koreivienė - ALGAE SERVICE FOR LIFE PROJECT: CREATION OF ECOLOGICAL SERVICE TOOL TO MITIGATE CYANOBACTERIA AND ALGAL BLOOMS IN FRESHWATERS

11PO.17 Oranit Krasesintra - ALTERNATIVE NATURAL HAIR DYE PRODUCT USING CYANOBACTERIAL COLORANTS

11PO.18 Imke Lang - CYANIDIALES – GETTING READY FOR BIOTECHNOLOGY!

11PO.19 Amit Kugler - ROLE OF LC-PUFA IN RESPONSE TO ENVIRONMENTAL FACTORS IN THE OLEAGINOUS MICROALGA *LOBOSPHAERA INCISA*

11PO.20 Imke Lang - ALBINA - POTENTIAL OF ALGAE-BASED BIOLUBRICANT ADDITIVES: EXTRACTION, APPLICATION AND TECHNICAL PROPERTIES - FROM THE PLANT TO THE TECHNICAL PRODUCT

11PO.21 Kanjana Mahanil - UTILIZATION AND DEVELOPMENT IN BIOTECHNOLOGY OF *LEPTOLYNGBYA* SP. KC45

11PO.22 Veronica Malavasi - CULTIVATION OF SARDINIAN MICROALGAL STRAINS FOR INNOVATIVE APPLICATIONS IN THE AGRI-FOOD, NUTRACEUTICAL, COSMETIC AND ENVIRONMENTAL SECTORS: THE COMISAR PROJECT

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11PO.23 Dagmar B. Stengel - EXPERIMENTAL DECAY OF *ASCOPHYLLUM NODOSUM* (PHAEOPHYCEAE) INDUCES CHANGES IN ASSOCIATED MICROBIAL POPULATIONS WITH APPLICABILITY IN ENZYME-ASSISTED EXTRACTION TECHNOLOGIES

11PO.24 Phon-ubon Suanoi - MORPHOLOGICAL OF GREEN MICROALGA *PEDIASTRUM DUPLEX* AARL G060 RESPONSES TO HEAVY METALS CULTURED IN ELECTROSTATIC MICROWELL MICROFLUIDIC CHIPS

11PO.25 István Bácsi - SALT TOLERANCE OF COMMON GREEN ALGAE – POSSIBLE ECONOMIC BENEFITS

11PO.26 Cecilia Biancacci - CULTIVATION OF *OSMUNDEA PINNATIFIDA* IN THE ALGEM PHOTOBIOREACTOR SYSTEM

11PO.27 Xiaoting Fu - ENZYMATIC DESULFATION OF THE RED SEaweEDS AGAR BY ARYLSULFATASE

11PO.29 Hugo Pereira - INDUSTRIAL PRODUCTION OF *TETRASELMIS* SP. CTP4 AND BIOMASS BIOREFINING FOR NUTRITIONAL, HIGH VALUE AND BIOFUEL APPLICATIONS

11PO.30 Ralf Rautenberger - PHOTOPHYSIOLOGY AND GROWTH OF *ULVA LACTUCA* (CHLOROPHYTA) UNDER LIGHT-EMITTING DIODES (LEDS) AS POTENTIAL NEW LIGHT SOURCES IN COMPARISON TO THE TRADITIONALLY-USED FLUORESCENCE LIGHT

11PO.31 Michael Ross - ABACUS: ALGAE FOR A BIOMASS APPLIED TO THE PRODUCTION OF ADDED-VALUE COMPOUNDS

11PO.32 Eun Young Yoon - CHARACTERIZATION OF TWO NEW COMPOUNDS FROM THE DINOFLAGELLATE *OXYRRHIS MARINA*

11PO.33 Alexandra Galetović - BIOETHANOL PRODUCTION FROM EXOPOLYSACCHARIDES OF NATIVE CYANOBACTERIA FROM NORTHERN OF CHILE

11PO.34 Saowalak Changko - DEVELOPMENT OF *PTXD* AS A CROP PROTECTION TOOL AND CHLOROPLAST SELECTABLE MARKER FOR *CHLAMYDOMONAS REINHARDTII*

11PO.35 Gina De La Fuente - SCREENING OF ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY OF *CYTOSEIRA AMENTACEA* VAR. *STRICTA* EXTRACTS (11OR.7 in abstract book)

Poster Session 12

Monday 26 August: 17.00–19.00

Planktonic and benthic Harmful Algal Blooms: a threat for human health and resources

12PO.1 Jasna Arapov - LATE SUMMER BLOOM OF *PSEUDO-NITZSCHIA* SPECIES: MORPHOLOGICAL AND MOLECULAR CHARACTERISATION

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12PO.2 Patrícia Assunção - EFFECT OF SALINITY OVER TWO STRAINS OF *GAMBIERDISCUS* SPP.: SEARCHING FOR CYSTS-FORMING CONDITIONS

12PO.3 Timotej Turk Dermastia - FIRST REPORT OF DOMOIC ACID IN *PSEUDO-NITZSCHIA MULTISTRIATA* AND *PSEUDO-NITZSCHIA DELICATISSIMA* STRAINS ISOLATED IN THE GULF OF TRIESTE, ADRIATIC SEA

12PO.4 Dragana Drakulović - TEMPORAL DISTRIBUTION OF POTENTIALLY TOXIC AND TOXIC PHYTOPLANKTON AND PICOPLANKTON IN BOKA KOTORSKA BAY

12PO.5 Susanne Dunker - WHO AM I AND IF YES, HOW MANY? A NEW WAY OF PHYTOPLANKTON SPECIES IDENTIFICATION BY COMBINATION OF IMAGING CYTOMETRY AND DEEP LEARNING

12PO.6 Marin-Pierre Gémin - COMBINED EFFECTS OF TEMPERATURE AND LIGHT INTENSITY ON GROWTH AND TOXIN PRODUCTION OF *OSTREOPSIS* CF. *OVATA*, A TOXIC BENTHIC DINOFLAGELLATE

Poster Session 13

Thursday 29 August: 17.00–19.00

Lessons from local experiences: the Adriatic Sea

13PO.1 Hrvoje Čižmek - IS MARINE PROTECTED AREA OF LASTOVO ISLAND (ADRIATIC SEA) A NATURAL LABORATORY IDEAL FOR TESTING THE ISLAND TRAPPED WAVES PHENOMENA?

13PO.2 Alessandro Buosi - NEW INTRODUCTION IN THE MEDITERRANEAN SEA: *ACANTHOSIPHONIA ECHINATA* (RHODOMELACEAE, RHODOPHYTA) FROM VENICE (ITALY)

Poster Session 14

Tuesday 27 August: 17.00–19.00

Public outreach and citizen science

14PO.1 Anja Bubik - KNOWLEDGE ABOUT PHYTOPLANKTON MASSIVE OCCURRENCE IN FRESHWATER AMONG STUDENTS OF ENVIRONMENTAL PROTECTION

Poster Session 15

Tuesday 27 August: 17.00–19.00

Evolutionary genetics and genomics in macro- and microalgae

15PO.1 Iva Jadrná - THE INTRICACY OF POPULATION STRUCTURE ESTIMATES – A COMPARISON OF ORGANELLAR HAPLOTYPE NETS IN THE FRESHWATER ALGA *SYNURA PETERSENI*

15PO.2 Aleksandar Stanojković - MOLECULAR DIVERSITY OF *MICROCOLEUS* (CYANOBACTERIA) POPULATIONS

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15PO.3 Petr Dvořák - POPULATION DIFFERENTIATION OF THE PROTIST *SYNURA* (CHRYSOPHYCEAE, STRAMENOPILES)

15PO.4 Monica Pichler - RIBOSOME PROFILING OF CRISPR/CAS MODIFIED DIATOMS TO REVEAL THE EFFECTS OF CODON USAGE ON PROTEIN SYNTHESIS

15PO.5 Motoki Kayama - EVOLUTION OF CHLOROPHYLL BIOSYNTHESIS PATHWAY IN A COLORLESS DIATOM

15PO.6 Przemysław Dąbek - THE COMPLETE CHLOROPLAST GENOME OF THE MARINE ARAPHID DIATOM *NANOFRUSTULUM SHILOI*

15PO.7 Ute Postel - POPULATION GENOMIC ZONATION AND MICROEVOLUTIONARY ADAPTATION IN *FRAGILARIOPSIS KERGUELENSIS*, A MAIN SILICATE SINKER OF THE SOUTHERN OCEAN

15PO.8 Stacy A. Krueger-Hadfield - A STUDY IN OCHRE: GENETIC DIVERSITY OF *LAMINARIA HYPERBOREA* FORESTS ALONG THE IRISH COASTLINE

15PO.9 Alice Crosca - BASIC CYTOGENETICS IN *CYMODOCEA NODOSA* (UCRIA) ASCHERSON FROM MEDITERRANEAN SEA (SICILY, ITALY).

15PO.10 Sabrina Heiser - THE COSTS ASSOCIATED WITH BEING ABLE TO EAT THE BRUSSELS SPROUTS OF THE OCEAN

15PO.11 William John Hatchett - EVOLUTION OF REPRODUCTIVE GENES IN FUCOID SPECIES

Poster Session 16

Tuesday 27 August: 17.00–19.00

Algal culture collections in the -omics age

16PO.1 Elena Kezlya - CULTURE COLLECTION, BARCODING AND TAXONOMIC REFERENCE LIBRARIES OF UNICELLULAR ALGAE FROM RUSSIA

16PO.2 Maike Lorenz - THE SAG CULTURE COLLECTION AT GOETTINGEN UNIVERSITY: A BRC UNDERPINNING BASIC AND APPLIED PHYCOLOGY

16PO.3 Lirong Song - THE FRESHWATER ALGAE CULTURE COLLECTION AT THE INSTITUTE OF HYDROBIOLOGY (FACHB): ALGAL RESOURCES CENTER FOR FUNDAMENTAL AND APPLIED RESEARCH

16PO.4 Catharina Alves-de-Souza - THE ALGAL RESOURCES COLLECTION: AN ASSET FOR THE CULTIVATION, MAINTENANCE, AND IDENTIFICATION OF TOXIC MICROALGAE

16PO.5 Wim Vyverman - THE BCCM DIATOM COLLECTION GENT -- A BIOLOGICAL RESEARCH CENTRE FOR BASIC AND APPLIED DIATOM RESEARCH

16PO.6 Tamar Zohary - CULTURE COLLECTION OF MICROALGAE FROM HOLY-LAND WATERS

16PO.7 Sabina Marks - A NEW HOME FOR 7,500 MICROALGAL STRAINS: THE CENTRAL COLLECTION OF ALGAL CULTURES (CCAC)

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16PO.8 Martin Pfannkuchen - CIM: A NORTHERN ADRIATIC MARINE PHYTOPLANKTON CELL CULTURE COLLECTION AT THE CENTER FOR MARINE RESEARCH IN ROVINJ, CROATIA

16PO.9 Hui-Yin Yeong - UNIVERSITY OF MALAYA ALGAE CULTURE COLLECTION (UMACC) – THRAUSTOCHYTRIDS

16PO.10 Cecilia Rad-Menéndez - THE CULTURE COLLECTION OF ALGAE AND PROTOZOA (CCAP): SUPPORTING FUTURE ALGAL RESEARCH AND BIOTECHNOLOGY.

16PO.11 Heather Roshon - CANADIAN PHYCOLOGICAL CULTURE CENTRE AT THE UNIVERSITY OF WATERLOO

16PO.12 Klaus von Schwartzberg - THE MICROALGAE AND ZYGNEMATOPHYCEAE COLLECTION HAMBURG (MZCH)

16PO.13 Pavel Škaloud - CAUP – ALGAL CULTURE COLLECTION IN PRAGUE

16PO.14 Sylwia Śliwińska-Wilczewska - DIFFERENT PHENOTYPES OF PICOCYANOBACTERIA SYNECHOCOCCUS SP. AS AN INTERESTING EXAMPLE OF STRAINS PRESENT IN THE CCBA COLLECTION

16PO.15 Wolf-Henning Kusber - HOW TO REGISTER ALGAL NOVELTIES IN PHYCOBANK

16PO.16 Christine N.Campbell - ALGAL CULTURE COLLECTIONS AS A CRITICAL RESOURCE FOR BIOTECHNOLOGY

16PO.17 Vona Méléder - NANTES CULTURES COLLECTION: THE MICROPHYTOBENTHOS BIODIVERSITY, THE “SECRET GARDEN” FOR NEW BIOTECHNOLOGY RESOURCES

16PO.18 Anusuya Willis - PHYSIOLOGICAL CHANGES AND GENETIC DRIFT IN RAPHIDIOPSIS RACIBORSKII CS-506 AFTER 23 YEARS IN CULTURE

16PO.19 Vladyslava Hostyeva - NORWEGIAN CULTURE COLLECTION OF ALGAE, NORCCA – RESEARCH TOOL WITH MULTIPLE APPLICATIONS.

16PO.20 Wilmotte Annick - A PLEA TO PRESERVE MICROALGAE AND CYANOBACTERIAL DIVERSITY IN PUBLIC MICROBIAL RESOURCE CENTRES

16PO.21 David Nobles Jr - THE UTEX CULTURE COLLECTION OF ALGAE, A LIVING RESOURCE OF ALGAL BIODIVERSITY

16PO.22 Hiroshi Kawai - TAXONOMIC REVISION OF MYELOPHYCUS SIMPLEX (SCYTOSIPHONACEAE, PHAEOPHYCEAE)

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Workshop 1: Measuring photosynthesis with light: application and new insights in active fluorescence techniques

Wednesday 28. August 2019

W1PO.1 Guérin Sébastien - PHOTOSYNTHETIC PARAMETERS OSCILLATE WITH A 24 H PERIOD: HOW CAN PAM FLUORIMETRY HELPS DECIPHER PHOTOPERIOD-RELATED REGULATION OF PHOTOPHYSIOLOGY IN THE POLAR DIATOM *FRAGILARIOPSIS CYLINDRUS*

W1PO.2 Suzanne Ferté - EXPLORING THE DIVERSITY OF CYCLIC ELECTRON FLOW AROUND PHOTOSYSTEM I

W1PO.3 Suzanne Ferté - PHOTOSYNTHETIC PHYSIOLOGY OF THE HAPTOPHYTE *EMILIANA HUXLEYI*: MAJOR ENVIRONMENTAL DETERMINANTS AND SIGNATURE OF VIRAL INFECTION IN THE FIELD.