

Poster Session

Odd-numbered poster: 16:15–17:45 on April 15th

Even-numbered poster: 15:30–17:00 on April 16th

- Posters will be displayed as a portrait of A0 size (W841 mm × H1189 mm). The size of a poster board is W860 mm x H1760 mm.
- Posters should be displayed on the poster boards during registration on April 14th or in the morning on April 15th.

Contributed Session: Poster Presentation		
Taxonomy, Phylogeny and Evolution		
P01	Cryptic diversity of a new marine epiphytic diatom <i>Falcula rectangularis</i> and its relation to the host red macroalgae	Kazuki Sugawara
P02	The mitochondrial genome evolution of synuralean algae (Chrysophyceae)	Nayoung Lee
P03	Taxonomy and phylogeny of a new small marine dinoflagellate <i>Amphidoma</i> sp. isolated from the Asian Pacific	Koyo Kuwata
P04	Taxonomy and phylogeny of bloom-forming dinoflagellates of the family Kareniaceae from eastern Hokkaido, Japan	Mitsunori Iwataki
P05	Morphology and molecular phylogeny of <i>Gonyaulax kunsanensis</i> sp. nov. (Gonyaulacales, Dinophyceae) from Korean coastal waters	Hyeon Ho Shin
P06	Cancelled	
P07	Metabarcoding reveals a high diversity and complex phytoplankton community in coastal waters of the northern Beibu Gulf, China	Zhaohui Wang
P08	Assessing the rhodolith diversity in Shirasu from the southern Shimabara Peninsula including a new record of <i>Roseolithon</i> (Hapalidiales, Rhodophyta) from Japan	Min Khant Kyaw
P09	Genetic structure based on <i>nad3</i> -16s region of mtDNA revealed a low genetic divergence of <i>Saccharina japonica</i> on the Japanese coasts	Kenta Chizaki
P10	A new algal bloom in the Yellow Sea, China, caused by <i>Cladophora oligocladoidea</i>	Meng Wang
P11	A new species of <i>Ulva</i> (Ulvophyceae, Chlorophyta) from the Yellow Sea, China	Haimeng Tang
P12	Marine algae of Myanmar: An update of a comprehensive database and catalog project	Lawrence M. Liao

P13	Meiosis causes high spontaneous mutation rate in a multicellular red alga (<i>Pyropia yezoensis</i>) with a complex life cycle	Xinzi Yu
P14	Genetic bases of the gamete incompatibility between the two sibling species of <i>Scytosiphon</i> (Ectocarpales, Phaeophyceae)	Masakazu Hoshino
P15	Genetic diversity of <i>Undaria</i> populations in Seto Inland sea, an enclosed coastal sea of Japan	Shinya Uwai
P16	Phylogeny and taxonomy of the genus <i>Ptilota</i> (Ceramiaceae, Rhodophyta) from Hokkaido, Japan	Kazuhiro Kogame
Ecology		
P17	Sporophyte dominance of <i>Dictyota dichotoma</i> revealed by sex-specific molecular markers	Takahiro Arai
P18	Sexual and asexual propagules contribute population persistence in <i>Sargassum fusiforme</i> (Phaeophyceae)	Sota Minamiguchi
P19	Establishment of seaweed monitoring foundation through hyperspectral image analysis	SeJeong Park
P20	For successful <i>ex situ</i> restoration of <i>Silvetia siliquosa</i> : determining optimal culture conditions and appropriate timing for planting	Jihye Seo
P21	Effects of microbubbled water and a biostimulant derived from the <i>Sargassum horneri</i> on the growth and thermal resistance in a saltmarsh plant, <i>Salicornia europaea</i>	Ye Joon Seo
P22	Population dynamics during the recovery process of a kelp bed of <i>Eisenia nipponica</i> in Owase Bay, Mie Prefecture.	You Tamayama
P23	Spatial and temporal variations and biodiversity alteration of seaweeds in the Egyptian Red Sea Coasts	Eman Abdelrahman
P24	Accounts of macroalgae utilized as food in the Islands of Antique, Philippines	Nicci Rosietess E. Madarcos
P25	The influence of high light and UV radiation in young sporophytes of Japanese <i>Ecklonia</i> and <i>Eisenia</i> species	Mahiko Abe
P26	Temporal variation and comparison of the epiphytic bacteria community for two Gracilariaceae species at Qingdao coast	Di Xu
P27	Simultaneous determination of photosynthetic uptake rate of dissolved inorganic carbon (DIC) and production rates of dissolved and particulate organic carbon (DOC and POC) by seaweed using an <i>in-situ</i> incubation method	Ju-Hyoung Kim

P28	The response of photosynthesis in selected freshwater red algae (Thoreaales and Batrachospermales) under environmental gradients	Ryuta Terada
P29	Smothered in debris: quantifying the influence of marine debris on submerged aquatic vegetation	Alifro Maldini
P30	Canopy-forming brown alga and understory red alga as temporally variable habitats for epiphytic microgastropods	Yuxin Liu
P31	The fluctuation of the phytoplankton population in soil-based ponds as affected by planted with or without rice plant and fertilizer application	Nicci Rosietess E. Madarcos
Algae and Environmental Pollution		
P32	Trace elements in calcified green macroalga, <i>Halimeda macroloba</i> and tropical seagrasses, <i>Halophila ovalis</i> , <i>Thalassia hemprichii</i> , and <i>Cymodocea rotundata</i> from the Southern Andaman coastal area, Thailand	Sinjai Phetcharat
P33	Distribution of the toxic cyanobacterium <i>Raphidiopsis raciborskii</i> and concentration of the toxin in Japan	Haruyo Yamaguchi
P34	Enhancing surface seawater monitoring during deep-sea mining: onboard bioassay and phyto alert systems	Masanobu Kawachi
Harmful Algal Blooms		
P35	Control of <i>Microcystis</i> bloom using physical and biological hybrid manipulation with indigenous parasitic diatoms	Yasushi Iseri
Bioremediation and Biorefineries		
P36	Cyanoremediation of heavy metals from wastewater by <i>Synechocystis</i> sp. for sustainable solution	Sabbir M.D. Hossain
P37	Cancelled	
Seaweed Cultivation		
P38	Changes in photosynthetic pigment content during processing from fresh thallus of <i>Neopyropia yezoensis</i> (Bangiophyceae, Rhodophyta) to dried Nori sheets	Kei Kimura
P39	Harnessing nutrient-enriched low temperature seawater for tropical seaweed cultivation: an innovative approach towards sustainable aquaculture	Hui-Yin Yeong
P40	Algae industry & development in Greater China	Chien Yun Wang

Algae and Climate Change		
P41	Preparing various forms of fertilizers from algal waste and identifying their characteristics and optimal uses	Hana Aoki
P42	Salty & malty. Aquaculture of macroalgae using carbon dioxide (CO ₂) waste from beer fermentation	Avi Roberts
P43	Macroalgae contribution to ecological services of carbon storage in coral reef ecosystems in Krabi Province, the Andaman Sea	Makamas Sutthacheep
Conservation of Algae		
P44	Indoor-careless open sea culture system for edible brown algae <i>Sargassum fulvellum</i> using rope containing recycling cloth	Jeong Chan Kang
Cell Biology		
P45	Cryopreservation on <i>Pyropia yezoensis</i> enhances resistance to oomycete pathogens	Dong Woo Kang
P46	Exploring temperature-induced cellular alterations in <i>Pyropia vietnamensis</i> from Myanmar and <i>Pyropia yezoensis</i> from Japan: a comprehensive investigation via transcriptomic analysis and transmission electron microscopy	Myathtoo San
P47	Distinct regulation of two flagella of gametes in brown alga <i>Mutimo cylindricus</i>	Nana Terauchi
P48	Morphogenetic process of siliceous skeletons in silicoflagellates	Kazumasa Yamada
Physiology and Biochemistry		
P49	Characterization and identification of <i>Chlorella sorokiniana</i> KNUA228: a freshwater microalga isolated in South Korea	Jinwon Lee
P50	Biochemical characterization of domestic microalga <i>Didymogenes soliella</i> sp. KNUA223 isolated from Ulleungdo Island, South Korea	Bo-Seong Kim
P51	Enhancing lipid and carotenoid productivity in the indigenous microalga <i>Deasonia</i> sp. KNUA218 using DY-V medium	Ho-Seong Suh
P52	Efficient modulation of cellular phosphorus components in response to phosphorus deficiency in the dinoflagellate <i>Karenia mikimotoi</i>	Lin-Jian Ou
P53	Elevated temperature impacts on different life stages may alter the responses and increases the vulnerability of tropical macroalga, <i>Halimeda macroloba</i>	Wutiruk Tarawit
P54	Effects of light on swarmer release of <i>Petalonia fascia</i> (Phaeophyceae)	Tsunami Hiyama
P55	Genome-wide identification of <i>Saccharina japonica</i> non-coding RNAs in response to the blue light	Xiaoqi Yang

P56	Identification of key genes for agar biosynthesis in <i>Gracilariopsis lemaneiformis</i> (Rhodophyta) under different treatments	Xiaonan Zang
Biotechnology		
P57	Draft genome of the siphonous yellow green alga <i>Vaucheria bursata</i>	Gerardo Laureano
P58	Mutagenic effect of several mutagens on <i>Saccharina japonica</i> (Phaeophyceae, Laminariales)	Jinwen Duan
P59	Cas9 ribonucleoproteins enable the generation of target-deficient and insertional mutants in <i>Ulva</i>	Kensuke Ichihara
P60	Algal-based protein: influence of brine fermentation on the characteristics and amino acid profile of algal sauce flour prepared from edible freshwater algae, <i>Chara corallina</i>	Kangsadan Boonprab
P61	Effects of dietary <i>Arthrospira platensis</i> supplementation on the growth, pigmentation, and antioxidation in yellow catfish (<i>Pelteobagrus fluvidraco</i>)	Xiaoming Zhu
Algal Natural Products		
P62	Validation and development for uncomplicated quantification by using a reversed-phase HPLC UV method fucosterol derived from <i>Sargassum</i> spp.	Chan-Young Kim
P63	Anti-Fine-Dust: inhibition of inflammatory signaling pathways by fucoidan extracted from <i>Ecklonia maxima</i> leave	Geonu Jeong
P64	<i>In vitro</i> lipid inhibitory activity of <i>Eisenia bicyclis</i> extract by regulating of adipogenesis in differentiated 3T3-L1	Hyeon-Jae Park
P65	Fucoidan isolated from brown seaweed <i>Sargassum thunbergii</i> : immuno-enhancing effect in <i>in vitro</i> and <i>in vivo</i> models	Jaehak Sim
P66	The research on sulfated polysaccharides isolated from marine algae (<i>Sargassum binderi</i>) prove the Inhibitory mechanism of interaction between the iNOS and COX-2 pathways	Yiqiao Li
P67	Comparison of chemical compositions and potential antioxidant and anti-inflammatory effects of enzymatic extract from <i>Ecklonia maxima</i> blades and stipe	Dandan Xiao
P68	The potent antioxidant effects of fucoidan isolated from enzymatic extract from <i>Sargassum thunbergii</i> <i>in vitro</i> and <i>in vivo</i>	Xueyu Wang
P69	Antioxidative activities of sulfated polysaccharides extracted from Miyeokgui, <i>In Vitro</i> , and <i>In Vivo</i>	Yujin Roh

P70	Anti-adhesive properties of calcium alginate from <i>Sargassum fusiforme</i> against particulate matter-induced inflammation	Yunhua Fu
P71	Polyphenolic compounds isolated from marine algae; attenuate the replication of SARS-CoV-2 in the host cell through multi target approach of 3CLpro and PLpro	Dineth P. Nagahawatta
P72	Antidiabetic effect of Ishophloroglucin A in skeletal muscle and zebrafish by inducing Ca ²⁺ -dependent	Hye-Won Yang
P73	A combination study of pre- and clinical trial: seaweed consumption reduces aging-associated muscle loss!	Jimin Hyun
P74	Anti-Inflammatory activity and structural analysis of fucoidan extracted from <i>Sargassum fusiforme</i> via ESI-MS TOF spectrometry	Jun-Geon Je
P75	Utilization of fucoidan from <i>Sargassum horneri</i> as functional foods ingredient for intestinal health improvements	Young-Sang Kim
P76	New antifouling brominated diterpenes from Japanese red alga genus <i>Laurencia</i>	Ryosuke Fukada
P77	Physical, chemical, and DPPH radical scavenging properties of crude polysaccharides extracted from <i>Sargassum thunbergii</i>	Dinusha S. Dissanayake
P78	Hemagglutinating and mitogenic activity in edible seaweed	Hiroataka Kakita
P79	Antioxidant and anti-inflammatory activities of marine microorganisms (bacteria, fungus, microalgae) collected in South Korea	Hyo-Geun Lee
P80	Isolation and structural determination of bioactive specialized metabolites from marine cyanobacterium <i>Symploca hydroides</i>	M. Kyra Saanvi
Algae for Biofuels		
P81	Efficient microalgae harvesting: synergistic flocculation and flotation with polyacrylamid and graphite electrolysis	Jun Wang