

10월25일 (목)

| 기조강연 | | | 대회의실 |
|---|-------|--|---------------|
| 13:30~14:10 | PL I. | Bioactivities of Seaweeds and Their Applications into Industry | 좌장 : 최한길 |
| | | 진유진 | |
| 학생구두발표 I | | | 리카이 블룸 |
| SO-1. 분류 및 형태 | | | 좌장 : 조태오, 양윤찬 |
| 14:25~14:40 | SO-01 | Genetic diversity of <i>Pyropia suborbiculata</i> and <i>Py. yezoensis</i> (Bangiales, Rhodophyta) from the northwest Pacific Young Ho Koh , Myung Sook Kim | |
| 14:40~14:55 | SO-02 | A new crustose <i>Diplura</i> species (Ishigeales, Phaeophyceae) from Korea Antony Otinga Oteng'o , Boo Yeon Won, Tae Oh Cho | |
| 15:55~15:10 | SO-03 | A genomic approach to the threomacidophilic environmental adaptation of Cyanidiales (Rhodophyta) Seung In Park , Chung Hyun Cho, Claudia Ciniglia, Hwan Su Yoon | |
| 15:10~15:25 | SO-04 | Flip-flop organization in the chloroplast genome of <i>Capsosiphon fulvescens</i> (Ulvoephyceae, Chlorophyta) Dongseok Kim , JunMo Lee, Ji Won Choi, Ji Hyun Yang, Il-Ki Hwang, Hwan Su Yoon | |
| 15:25~15:40 | SO-05 | Population genomic of <i>Undaria pinnatifida</i> reveals insights into mechanisms of a worldwide invasion Louis Graf , Youn Hee Shin, Ji Hyun Yang, JunMo Lee, Sung Min Boo, Hwan Su Yoon | |
| 15:40~15:55 | SO-06 | Experimental scheme for food web complexity of newly restored kelp beds in comparison with natural beds and barren ground using a stable isotope technique Moon Jung Kim , Hee Young Yoon1, Dong Seok Lee, Seok Woo Hong, Kwon Mo Yang, Yong wook Go, Jeong Ha Kim | |
| 특별세션 Microalgae biotechnology: from strain development to commercialization | | | 리카이 블룸 |
| SC-1. 특별세션 | | | 좌장 : 진연선 |
| 16:05~16:35 | SC-01 | Biotechnological manipulation of carotenoid biosynthetic pathway to induce astaxanthin accumulation in <i>Chlamydomonas reinhardtii</i> PEROZENI F. CAZZANIGA S, BAIER T, ROSA A, LAERSEN K.J. WOBBE L, KRUSE O, BALLOTTARI M. | |
| 16:35~16:55 | SC-02 | SMALL RNA-DEPENDENT GENE SILENCING IN THE GREEN ALGA CHLAMYDOMONAS REINHARDTII: FUNCTIONS AND MECHANISMS Eun Jeong Kim | |
| 16:55~17:15 | SC-03 | Bioproducts from microalgae and their commercialization Chung Soon Im | |
| 17:15~17:35 | SC-04 | Enhancing Biomass Production of <i>Dunaliella salina</i> via Optimized Combinational Application of Phytohormones Bingbing Qi, Shilei Wang, Shiru Jia, Hexin Lyu | |
| 17:35~17:55 | SC-05 | Biochemical Characterization and Industrial Applications of Antifreeze Proteins from Antarctic marine microalgae Woongsic Jung , Yunho Gwak, Minjae Kim, EonSeon Jin | |
| 학생구두발표 II | | | 한송 |
| SO-3. 생리, 생리, 응용 | | | 좌장 : 최정근, 김광균 |
| 14:25~14:40 | SO-07 | Involvement of glutathione peroxidase (GPx) in desiccation stress responding and its potential antioxidant regulation Bao Le , Seung Hwan Yang, Sang Mi Sun | |
| 14:40~14:55 | SO-08 | Calcium-related genes associated with biomineralization of <i>Emiliania huxleyi</i> (Haptophyta) CCMF 371 Onyou Nam , Yoshihiro Shiraiwa, EonSeon Jin | |
| 15:55~15:10 | SO-09 | The role of microtubules in the cytoplasmic streaming in a green alga <i>Bryopsis plumosa</i> Chan Young Hong , Gwang Hoon Kim | |
| 15:10~15:25 | SO-10 | A Single Amino Acid Mutation in Zeaxanthin Epoxidase Affects Composition of Xanthophyll Pigments in <i>Dunaliella tertiolecta</i> Minjae Kim , EonSeon Jin | |
| 15:25~15:40 | SO-11 | Identification and functional analysis of the <i>psaD</i> promoter of <i>Chlorella vulgaris</i> using heterologous model strains Jongrae Kim , Linpo Liu, Zanmin Hu, EonSeon Jin | |
| 15:40~15:55 | SO-12 | 홍조식물 <i>Bostrychia mortiziana</i> 의 상 특이적 importin alpha-like gene의 규명 심은영, 김광균 | |
| 학생구두발표 III | | | 한송 |
| SO-4. 생리, 생리, 응용 | | | 좌장 : 최정근 |
| 16:05~16:20 | SO-13 | 방사무늬김 (<i>Pyropia yezoensis</i>)의 항백화 기작과 내성 품종의 개발 윤종석, 김로원, 권민서, 김광균 | |
| 16:20~16:35 | SO-14 | Pathogen-induced resistance in red alga <i>Heterosiphonia japonica</i> Xianying Wen , Gwang Hoon Kim | |
| 16:35~16:50 | SO-15 | Effect of light-emitting diodes (LEDs) on the regeneration of protoplasts from the gametophytes of <i>Undaria pinnatifida</i> Jose Avila-Peltroche , Boo Yeon Won, Tae Oh Cho | |
| 16:50~17:05 | SO-16 | <i>Sargassum homeri</i> ethanol extract ameliorates allergic responses in house dust mite/DNCB-stimulated NC/Nga mice model Eui Jeong Han , Eun-Ji Shin, Hee-Jin Han, Min Ju Kim, Su-Jin Oh, Eunyeong Park, Hyun-Soo Kim, Seo-Young Kim, You-Jin Jeon, Youngheun Jee, Ginnae Ahn | |
| 17:05~17:20 | SO-17 | Effects of commercial seaweed extract (AMPEP, Kelpak®) from the brown algae on growth and thermal resistance of <i>Saccharina latissima</i> and <i>Saccharina angustissima</i> Sookkyung Shin , Schery Umantzir, Michael Marty, Charles Yarish, Jang K. Kim | |
| 17:20~17:35 | SO-18 | Effect of emersion stresses on growth, pigment contents and biochemical responses in <i>Pyropia yezoensis</i> Sojin Jang , Sookkyung Shin, Palas Samanta, Jang K. Kim | |
| 17:35~17:50 | SO-19 | Possibility of community shift from barrens to marine forest by controlling the density of sea urchins: the case studies of East Sea and Jeju coast Kwon Mo Yang , Byung Hee Jeon1 Sang Ho Baek2, Dong Suk Lee, Young Wook Ko, Jeong Ha Kim | |
| 일반구두발표 I | | | 리카이 블룸 |
| OO-01 | | | 좌장 : 김영식 |
| 18:05~18:20 | OO-01 | Host-cell entry of an oomycete <i>Olpidopsis</i> spp. is mediated by a lipid-raft endocytosis Gwang Hoon Kim | |
| 18:20~18:35 | OO-02 | Egg production from oogonium of <i>Undaria peterseniana</i> gametophyte under varied temperature and irradiance SM Mustafizur Rahman , Jae Hong Pak, Hyung Geun Kim | |
| 18:35~18:50 | OO-03 | Contribution of tandem repeats structure for functional expression of lectin in bacterial expression system Jin-Woo Han , Hyouun-Ju Hwang, Jeon Hancheol, Jong Won Han | |
| 일반구두발표 II | | | 한송 |
| OO-04 | | | 좌장 : |
| 18:05~18:20 | OO-04 | Species diversity of massive free-floating <i>Ulva</i> blooms in Jeju Island, Korea Myung Sook Kim , Jeong Chan Kang, Hyung Woo Lee | |
| 18:20~18:35 | OO-05 | Developmental changes of photosynthetic activity and pigment composition during sporulation in green-tide forming alga <i>Ulva pertusa</i> Jihae Park , Soyeon Choi, Hojun Lee, Geonhee Kim, Christophe Vieira, Stephen Depuydt, Murray T. Brown, Taejun Han | |

10월 26일 (금)

| 기조강연 | | | 라카이 불품 |
|-------------|----------|--|----------|
| 9:00-9:40 | PL II | 한국의 해양미소조류 - 분포생태에서 천연물까지 (Microalgae in Korean seas- from distributional ecology to MNPs) | 좌장 : 신용기 |
| | | 이원호, 노정래, 김형섭 | |
| 신진연구자발표 | | | 라카이 불품 |
| | | | 좌장 : 윤환수 |
| 9:50-10:10 | AO-01 | 녹조식물 해킴 (<i>Spirogyra varians</i>)의 광반응 운동 | |
| | | 이지홍, 김광훈 | |
| 10:10-10:30 | AO-02 | Systematics of seven families of the order Gigartinales (Rhodophyta) from Korea based on morphology and molecular analyses | |
| | | Mi Yeon Yang, Myung Sook Kim | |
| 10:30-10:50 | AO-03 | Revision of crustose coralline genus, <i>Phymatolithon</i> (Hapalidiales, Rhodophyta) from Korea | |
| | | So Young Jeong, Roo Yeon Won, Tae Oh Cho | |
| 특별세션 | | 연안생태계 복원과 가치 | 라카이 불품 |
| | | | 좌장 : |
| 11:00-11:20 | SC I-01 | Types of barren grounds and ecological restoration in Korea | |
| | | Chang Geun Choi, Seung Wook Jung | |
| 11:20-11:40 | SC I-02 | A Method of Sea-forest Enhancement for Abandoned Fishing Port | |
| | | Tae-Geon Oh, Seong-Ho Shu, Kyu-Kui Jung and Soo-Young Yeon | |
| 11:40-12:00 | SC I-03 | 질피술 효과조사 방법에 관한 고찰(1) | |
| | | 백상호, 손병규, 김태주, 심장명, 박용우 | |
| 12:00-12:20 | SC I-04 | 제주 사계리 바다숲 조성지역 어식김태생장 및 해조상 변화 | |
| | | 한은규, 김원길, 한명일, 최미경 | |
| 12:20-12:40 | SC I-05 | 채취법에 따른 우뚝가사리 생물량 변화 및 구멍법고등 생식특성 영상 | |
| | | 김현걸, 최미경, 임동현, 한명일, 한은규, 이영준 | |
| 특별세션 | | 해양 고만 유해생물 | 한송 |
| | | | 좌장 : 김광용 |
| 11:00-11:15 | SC II-01 | 해양고만유해종의 임팩트평가 표준도구 제안 | |
| | | 김광용 | |
| 11:15-11:30 | SC II-02 | 마비성매독 플랑크톤 <i>Alexandrium</i> 3종의 정량화 | |
| | | 김광용, 김혜미, 이현관 | |
| 11:30-11:45 | SC II-03 | 생태임팩트 평가를 위한 미토콘드리아 메타지노믹스 분석 | |
| | | 김광용, 박준구 | |
| 11:45-12:00 | SC II-04 | 동중국해와 황해에서 경쟁이모자반 이동과 확산 | |
| | | 최병주, 김광용 | |
| 12:00-12:15 | SC II-05 | Designing the novel transcript-specific biomarkers targeting potentially bloom inducing live-cells of red-tide forming <i>Cochlodinium polykrikoides</i> | |
| | | 김혜미, 홍원희, 이현관, 박준구, 김광용 | |

| 포스터발표 | | 라카이 볼륨1 |
|-------------|-------|---|
| PA. 분류 및 진화 | | 좌장 : 김한수, 양윤찬 |
| 14:00-15:00 | PA-01 | Tropical diatoms occurring in the southern coasts of Jeju Island, as non-indigenous or invasive species Gyeongje Joh, Ji-Young Lee |
| | PA-02 | First record of fossil diatoms in sediment cores from three wetlands of Korea Sang Deuk Lee, Suk Min Yun, Pyo Yun Cho, Hoi Lee, Jin-Young Lee, Jaesoo Lim |
| | PA-03 | 제주도 습지에서의 규조류 군집분포 박솔미, 김진희, 이재희, 김민재, 진희현, 양찬, 정효성, 김한수 |
| | PA-04 | 국내 서해에 출현하는 쪽배움말과 (Naviculaceae) 신, 미기록 종 김소연, 김병석, 박종규 |
| | PA-05 | 서해 및 동해 조간대에 출현하는 율동말과(Bacillariaceae) 김병석, 김소연, 박종규 |
| | PA-06 | 한국연안 해면에서 발견된 저서성 외편모조류의 미기록종 보고 김수민, 이준백 |
| | PA-07 | Mitochondrial genomes of <i>Isachrysis</i> and <i>Pavlova</i> reveal hidden gain and loss of genes in Haptophytes Su Yeon Kim, Ha Eun Lee, Eun Chan Yang |
| | PA-08 | Three plastid genes may be useful for unravelling the scenedesmeacean green algal taxonomy Su Yeon Kim, Hyung Woo Lee, Bok Yeon Jo, Chang Soo Lee, Jee-Hwan Kim, Eun Chan Yang, Myung Sook Kim |
| | PA-09 | Molecular phylogeny and morphological diversity of <i>Desmodesmus</i> (Chlorophyceae) Jasmine Ruth Anto, Jong Im Kim, Woongghi Shin |
| | PA-10 | Taxonomy of the genus <i>Dinobryon</i> (Chrysohyceae) based on molecular and morphology data Yi Tong Wang, Woongghi Shin |
| | PA-11 | Transfer a monotypic genus <i>Nienburgella</i> to <i>Phycodrys</i> based on cystocarp development and molecular data Jeong Chan Kang, Myung Sook Kim |
| | PA-12 | Reinstatement of hook-forming <i>Acrosorium</i> species (Delesseriaceae, Rhodophyta) based on molecular phylogeny and morphology Jeong Chan Kang, Kathy Ann Miller, Myung Sook Kim |
| | PA-13 | 홍조 도박과(Halymeniaceae) 3종의 <i>rbcL</i> 유전자 Haplotype 분석 및 지리적 분포 조수미, 신단비, 고주하, 양미연, 김영숙 |
| | PA-14 | 곰피(<i>Ecklonia stolonifera</i>)의 품종 구분을 위한 특성조사요령 육정현, 이상래, 황일기, 김승오, 황미숙 |
| | PA-15 | Species determination of <i>Chondrus ocellatus</i> - <i>nipponicus</i> complex based on molecular and biogeographic data in the Northwest Pacific Hyeong Seok Jang, Ji Won Hong, Kyeong Mi Kim, Hyung-Seop Kim |
| | PA-16 | Generic characteristics of marine red alga, <i>Pionitis</i> (Halymeniaceae, Halymeniales) from the northwestern Pacific Hyung Woo Lee, Myung Sook Kim |
| | PA-17 | Taxonomical revision of <i>Phymatolithon tenue</i> (Hapalidiales, Rhodophyta) based on DNA sequences of the related species materials So Young Jeong, Boo Yeon Won, Tae Oh Cho |
| | PA-18 | Genetic diversity and distribution of edible brown algae from Ulreungdo Island, Korea Ju Il Lee, Ga Youn Cho, Hyeong Seok Jang, Yoon Bae Kim, Sung Jin Yoon, Sung Min Boo |
| | PA-19 | 국외반출 승인대상 해양수산생물자원(해조류 258종) 고시 제정 김주희, 김중문, 현동욱, 배성준, 박영래, 홍성열, 윤상철 |
| | PA-20 | 신종종 심사를 위한 모자반의 특성조사요령 김승오, 허진석, 황미숙 |
| | PA-21 | A large-scale <i>de novo</i> transcriptome assembly and phylo-transcriptomic analysis for marine dinoflagellate Sung-Gwon Lee, Hyun-Hee Hong, Hyun-Gwan Lee, Seongmin Cheon, Jooseong Oh, Hyemi Kim, Kwang Young Kim, Chungoo Park |
| | PA-22 | Evolutionary history of <i>Stylonematophyceae</i> (Rhodophyta) using seven new plastid genomes Yu Min Lee, Seung In Park, JunMo Lee, Hwan Su Yoon |
| | PA-23 | Comparison of plastid genome contents from distinct Phaeophyceae orders Seok Wan Choi, Ji Won Choi, Hwan Su Yoon |
| | PA-24 | Morphology, molecular, and physiological characterization of a marine <i>Micractinium</i> cf. <i>pusillum</i> strain from the East Sea Nam Seon Kang, Hyeong Seok Jang, Ji Won Hong |
| 포스터발표 | | 라카이 볼륨1 |
| PB. 생태 | | 좌장 : 김병석, 김장균 |
| 14:00-15:00 | PB-01 | Diatoms as an indicator of environmental health of tidal flats in Incheon Soyeon Choi, Jie Lyu, Jihae Park, Hojun Lee, Geonhee Kim, Ju-hyung Lee, Min-ju Kim, Hye-jin Kil, Young-Tae Oh, Ki-in Bang, Sung-Mo Lee, Taejun Han |
| | PB-02 | Rapid toxicity assessments of antifouling booster biocides (diuron and irgarol) based on chlorophyll fluorescence of gametophytes of the brown macroalga <i>Undaria pinnatifida</i> Hojun Lee, Jihae Park, Soyeon Choi, Geonhee Kim, Taejun Han |
| | PB-03 | 준-하계 나로도 조간대의 해조생태 김남길, 윤준식, 이민정, 김민주 |
| | PB-04 | 준-하계 거문도 조하대의 해조생태 김민주, 윤준식, 이민정, 김남길 |
| | PB-05 | Metagenomics를 이용한 남해안 해양 환경 따른 Phycodnavirus의 분포 분석 곽민석, 김광준 |
| | PB-06 | Surveys on high-temperature resistant natural populations of <i>Pyropia</i> species in Korea Ro Won Kim, Tatyana A. Klochkova, Min Seok Kwak, Gwang Hoon Kim |
| | PB-07 | Paleoenvironmental research of the Core Sediment from the Upo Wetland in Korea, based on Diatom assemblage Suk Min Yun, Hoi Lee, Jin-Young Lee, Jaesoo Lim, Pyo Yun Cho, Sang Deuk Lee |
| | PB-08 | Analysis and comparison of algal community structure of islands located on the Eastern Coast and Jeju, Korea Seung Wook Jung, Chang Geun Choi |
| | PB-09 | 부착규조류 이용한 낙동강 상류 수계 (영강, 내성천과 위천)의 생물학적 수질평가 최재신, 채원식, 김한수 |
| | PB-10 | 영산호 식물플랑크톤의 계절별 크기구조 및 군집 변화 김세희, 신용식 |
| | PB-11 | 제주 남부 조간대 해조군집 안중관, 김용권 |
| | PB-12 | Influence of LED lighting on growth, pigment and nutrient uptake in <i>Ulva</i> sp. Hyein Song, Palas Samanta, Sojin Jang, Sookkyung Shin, Jang K. Kim |
| | PB-13 | Effect of emersion on nutrient uptake, and pigment and protein contents in tetrasporophytes of <i>Gracilaria</i> Sookkyung Shin, Jang K. Kim |
| | PB-14 | Use of Application of Acadian Marine Plant Extract Powder (AMPEP) from <i>Ascophyllum nodosum</i> to <i>Pyropia</i> cultivation Sojin Jang, Hyesung Hwang, Sookkyung Shin, Palas Samanta, Jang K. Kim |
| | PB-15 | Effects of temperature on growth of <i>Pyropia</i> from different vertical habitats Sol Han, Palas Samanta, Sojin Jang, Sookkyung Shin, Jang K. Kim |
| | PB-16 | Effects of the sources of light on growth and photosynthetic efficiency of <i>Ulva</i> Hohyeon Lee, Hojun Lee, Sojin Jang, Sookkyung Shin, Jang K. Kim |
| | PB-17 | Towards a PCR-free biodiversity assessment method based on enrichment of small-organelles: First proof of concept in marine micro-eukaryotic biodiversity 조지훈, 이현관, 천성민, 김광용, 박준규 |

| 포스터발표 | | | 라카이 볼륨1 |
|-------------|-------|---|---------------|
| PC. 생리 및 유전 | | | 좌장 : 최창근 |
| 14:00-15:00 | PC-01 | Analysis of cell cycle patterns and estimates of in situ division rates of the harmful algal bloom species <i>Cochlodinium polykrikoides</i> Hyun-Hee Hong , Hyun-Gwan Lee, Chungoo Park | |
| | PC-02 | Divergence of dinoflagellate histone proteins and spliced leader RNA trans-splicing in dinoflagellates Hyun-Hee Hong, Sung-Gwon Lee, Joeseong Oh , Chungoo Park | |
| | PC-03 | Development of SSR (Sequence Simple Repeat) marker detection kit for distinguish different origins of <i>Saccharina japonica</i> Ji Won Choi , Youn Hee Shin, Hwan Su Yoon | |
| | PC-04 | A Comprehensive draft genome sequence for <i>Byropsis plumosa</i> , a marine alga Hyun Dae Hong , Hyun-Ju Hwang, Jin-Woo Han, Gwang Hoon Kim, Jong Won Han | |
| | PC-05 | Comparative proteomics of marine red alga, <i>Pyropia tenera</i> , in a heteromorphic life cycle Jin-Woo Han , Hyun-Ju Hwang, Hyoun Dae Hong, Jong Won Han | |
| | PC-06 | 방사무늬김의 난균성 질병에 대한 내성을 증진시키는 생물, 비생물 환경 요인 박지혜, 김광훈 | |
| | PC-07 | Algicidal effects of <i>Pseudonoeberia</i> on harmful dinoflagellate, <i>Alexandrium tamarense</i> So-Ra Ko , Chi-Yong Ahn, Hee-Mock Oh | |
| | PC-08 | Biological active potential of compounds from <i>Sargassum homeri</i> Japanese edible seaweed Brown alga Hyun-Soo Kim , Lu Yu An, You-Jin Jeon | |
| | PC-09 | Chalcone synthase (CHS) regulates flavonoid biosynthesis in <i>Pyropia yezoensis</i> Bao Le, Seung Hwan Yang, Sang Mi Sun | |
| | PC-10 | Attachment and growth of vegetative propagules of <i>Chondria crassicaulis</i> Harvey in various culture conditions Gao Xu , Jung Rok Lee, Ji Ha Shin, Han Gil Choi | |
| | PC-11 | 홍조식물 왜비단말록이 (<i>Griffithsia monilis</i>)의 상처 회복 분석 윤지호, 김광훈 | |
| | PC-12 | NADPH oxidase-mediated oxidative burst plays a major role in defense to pathogenic infections in red alga <i>Pyropia yezoensis</i> Da Jeong Lee , Tatjana A. Klochkova, Gwang Hoon Kim | |
| | PC-13 | 붉은갯벌에 감염된 김의 살리실산 매개 질병 저항성 이창윤, 김광훈 | |
| | PC-14 | 녹조류 염주말(<i>Chaetomorpha moniligera</i>)의 유주자 방출과 발아제 생장에 미치는 온도와 광도의 영향 이지효, 김영식, 최한길, 남기원 | |
| | PC-15 | 방사무늬김의 난균성 원인균 3종의 감염패턴분석 전재진, 김광훈 | |
| 포스터발표 | | | 좌장 : 진연성, 안지용 |
| PD. 생명공학 | | | |
| 14:00-15:00 | PD-01 | Increased biomass and lipid productivity with optimization of nitrogen concentration and UV-A exposure in a continuous culture of <i>Ettlia</i> sp. Seong-Hyun Seo , Ankit Srivastava, Myung-Soo Han, Hee-Mock Oh | |
| | PD-02 | Cell proliferation from crustose-to-erect thallus transitions of <i>Grateloupia asiatica</i> (Rhodophyta) in culture Hyoung Hae Kim , Joon Kim, Hyung Geun Kim | |
| | PD-03 | Protective effect of a novel antioxidant peptide purified from a marine <i>Chlorella ellipsoidea</i> protein against free radical induced oxidative stress Dong-Hwi Kim , Moon-Soo Heo | |
| | PD-04 | 갈조 경생이모자반(<i>Sargassum homeri</i>)의 부위별 추출 조건에 따른 가능성 물질 탐색 연구 김미성, 권은미, 김혜민, 이정석, 한영석 | |
| | PD-05 | Biological effect of <i>Sargassum homeri</i> on type I allergic reaction Min Ju Kim , Eui Jeong Han, Eun-Ji Shin, Hee-Jin Han, Su-Jin Oh, Hyun Soo Kim, Youngheun Jee, You-Jin Jeon, Ginnae Ahn | |
| | PD-06 | 김 붉은갯벌 원인균 <i>Pythium chondricola</i> (Oomycetes)의 온도 및 염분에 따른 생장 변화 김용이, 객관혁, 이지효, 이상래, 이순정, 김영식 | |
| | PD-07 | Reuse of the used medium after flocculation harvest of biomass(<i>C. ellipsoidea</i>) using epsilon-poly-L-lysine Won Noh , Jungmin Kim, Seonghwan Park, Sang-jun Lee, Chang-min Kang | |
| | PD-08 | Inhibitory effects of <i>Papenfusiella kuramo</i> ethanol extracts on melanin formation in B16F10 murine melanoma cells Seo Kyoung Park , Ji Ha Shin, Do Gyun Kim, Song Hyun Lee, Han Gil Choi | |
| | PD-09 | Anti-tyrosinase and antioxidant activity of <i>Costaria costata</i> (C.Agardh) De A.Saunders for whitening cosmetic substances Ji Ha Shin , Seo Kyoung Park, Song Hyun Lee, Han Gil Choi | |
| | PD-10 | Improved astaxanthin productivity by 'red cell inoculation system (RCIS)' and diverse chemical cues in <i>Haematococcus pluvialis</i> Sang A Lee , Hee-Mock Oh, Dae Geun Kim, Chi-Yong Ahn | |
| | PD-11 | Cultivation and toxicity assessment of cyanobacteria using separated nutrients from wastewater Sang-Jun Lee , Seonghwan Park, Jungmin Kim, Won Noh, Je-Hein Kim, Chang-min Kang | |
| | PD-12 | Antihypertensive effect of a novel angiotensin I-converting enzyme (ACE) inhibitory peptide from <i>Chlorella ellipsoidea</i> on spontaneously hypertensive rats 이원우, 서민정, 김상철 | |
| | PD-13 | 제주 연안 해조류 추출물을 활용한 가능성 평가 이종철, 이도승, 임순재, 원호봉, 고미희, 정용환, 김창숙 | |
| | PD-14 | The understanding relation between membrane lipids and neutral lipids via regulation of MGD1 in <i>Chlamydomonas reinhardtii</i> Jun-Woo Lee , EonSeon Jin, Hee-Mock Oh, Hyung-Gwan Lee | |
| | PD-15 | Cryopreservation of encapsulated algal cells in the alginate bead for the long-term preservation of microalgae isolated from Korean freshwaters Chang Soo Lee , Mirye Park, Hyun-Jin Kwon, Hyangmi Kim, Bok Yeon Jo, Kyung June Yim, Jee-Hwan Kim | |
| | PD-16 | 유용 홍조류 참풀가사리(<i>Gloiopeltis tenax</i>) 번성기의 생장에 미치는 온도와 조도의 영향 이현정, 김영식 | |
| | PD-17 | Investigation of anticancer potential of Saringosterol acetate isolated from <i>Hizikia fusiformis</i> , brown algae, with centrifugal partition chromatography Xi-Ning Li , Jin Hwang, You -Jin Jeon | |
| | PD-18 | Development of transgenic transformants and improving biomass production in marine microalgae <i>Phaeodactylum tricornutum</i> Kwang Suk Chang , Jun Kim, Seungbeom Seo, EonSeon Jin | |
| | PD-19 | A CRISPR-Cas9 System for heterologous gene silencing in <i>Chlamydomonas reinhardtii</i> Hancheol Jeon , Hyun Dae Hong, Jin-Woo Han, Hyun-Ju Hwang, Jong Won Han | |
| | PD-20 | 저준위 김마선 조사를 통한 저수온내성 방사무늬김 계통주 선발 조수아, 김지연, 김찬승, 이지은, 박은정, 허동수 | |
| | PD-21 | 다른 용존무기질소(DIN) 농도 하에서 방사무늬김(<i>Pyropia yezoensis</i>) 존재 유무에 따른 부착성 돌말류 <i>Licmophora</i> sp. 개체수 및 DIN 흡수량 변화에 관한 연구 최성연, 이현정, 객관혁, 이지효, 김영식 | |
| | PD-22 | Anti-allergic effect of a polyphenolic compound from <i>Polysiphonia morrowii</i> on the IgE-mediated allergic response in mast cell and passive cutaneous anaphylaxis animal mouse model Eui Jeong Han , Soo-Jin Heo, Eun-A Kim, Eun-Ji Shin, Hee-Jin Han, Min Ju Kim, Su-Jin Oh, Ginnae Ahn | |
| | PD-23 | Comparison of the intercellular structure between Korean and Chinese cultured strains of <i>Saccharina japonica</i> (Phaeophyceae) Eun Kyoung Hwang , Soo Hong Kim, Ki Hyun Lee, Dong Soo Ha, Chan Sun Park | |
| | PD-24 | Isolation and characterization of mannose binding Lectin from red alga, <i>Gateloupia changii</i> Jin-Woo Han , Hyun-Ju Hwang, Hyoun Dae Hong, Jong Won Han | |
| | PD-25 | Proteomic analysis of <i>Ettlia</i> sp. at various dehydration levels: adaptation mechanisms towards water deprivation Ji-San Ha , Saba Sajjad, Hyung-Gwan Lee, Hee-Mock Oh, Sunghyun Kang | |
| | PD-26 | Promising microalgae species for carbon dioxide resistance and high pigment production Thu Ha Thi Nguyen , Jenny Lee, EonSeon Jin | |