

11월2일 (목)

기초강연			대회의실 4층(1917층)
13:30~14:10	PL I.	해조류 연구지식의 가치화(valorization)에 대한 고찰	좌장 : 김광용 교수
		한태준	
학생구두발표 I			해양생물센터(1층)
SO-1. 분류 및 형태			좌장 : 신동기 박명길 교수
14:25~14:40	SO-01	Genome sequencing and population genomic analyses provide insights into the adaptation to new environments of <i>Undaria pinnatifida</i>	
		Louis Graf1, Youn Hee Shin1, Ji Hyun Yang1, JunMo Lee1, Sung Min Boo2, Hwan Su Yoon1	
14:40~14:55	SO-02	Oxidative burst mediated by respiratory burst oxidase homologue in <i>Pyropia tenera</i> with pathogen attacks	
		Da Jeong Lee, Tatyana A. Klochkova, Gwang Hoon Kim	
15:55~15:10	SO-03	The organelle inheritance and genome rearrangement in the brown algae with different types of fertilization.	
		Ji Won Choi1, Louis Graf1, Koki Nishitsuji2, Asuka Arimoto2, Eiichi Shoguchi2, Hwan Su Yoon1	
15:10~15:25	SO-04	Phylogeography of intertidal red algae, <i>Gloiopeltis</i> , (Gigartinales) reveals species complex in the North-Pacific	
		Mi Yeon Yang1, Eun Chan Yang2, Gary W. Saunders3 and Myung Sook Kim1*	
15:25~15:40	SO-05	Ultra-morphology and phylogeny of the genus <i>Phymatolithon</i> (Hapalidiales, Rhodophyta) with assessment of the features about a novel genus	
		So Young Jeong, Boo Yeon Won, Tae Oh Cho	
학생구두발표 II			해양생물센터(1층)
SO-2. 분류 및 형태			좌장 : 황일기 김희식 박사
15:50~16:05	SO-06	Somatic cell fusion in a red alga <i>Griffithsia monilis</i> is mediated by two different signaling molecules	
		문종석, 김광훈	
16:05~16:20	SO-07	Plastid genome evolution of genus <i>Porphyridium</i>	
		Eun Jeung Kim, JunMo Lee, Hwan Su Yoon	
16:20~16:35	SO-08	DNA barcoding for identification of hidden diversity in <i>Pyropia</i> (Bangiophyceae, Rhodophyta) from Korea	
		Young Ho Koh, Myung Sook Kim	
16:35~16:50	SO-09	Insights into the evolutionary history of the photosynthetic Stramenopiles using novel plastid genomes from four classes, Pinguophyceae, Dictyochophyceae, Synchromophyceae, and Pelagophyceae (Stramenopiles)	
		Kwiyoung Han1, Louis Graf1, Robert A. Andersen2, Hwan Su Yoon1	
학생구두발표 III			수산관 강의실(102호)
SO-3. 생리, 생태, 응용			좌장 : 최창근 김장규 교수
14:25~14:40	SO-10	Effects of stocking density in productivity and nutrient removal of <i>Gracilaria vermiculophylla</i> in biofloc effluent	
		Sookkyung Shin1, Su-Kyoung Kim2, Jun-Hwan Kim2 and Jang K. Kim1	
14:40~14:55	SO-11	The new reports on life cycle of <i>Heterosigma akashiwo</i> (Raphidophyceae)	
		Joo-Hwan Kim, Jin Ho Kim, Pengbin Wang, Bum Soo Park and Myung-Soo Han	
15:55~15:10	SO-12	Phenology of <i>Z. caespitosa</i> in Tongyeong, Southern coast of Korea	
		윤준식, 김남길	
15:10~15:25	SO-13	Phosphatidylinositol-3-phosphate are involved in host cell entry of an oomycete pathogen <i>Olpidiopsis pyropiae</i>	
		정송진, 김광훈	
15:25~15:40	SO-14	Assessment of marine ecological health using diatoms	
		Soyeon Choi1, Jihae Park2, Hojun Lee1, Ju-hyung Lee3, Min-ju Kim3, Hye-jin Kil3, Young-Tae Oh3, Ki-in Bang3, Sung-Mo Lee3, Taejun Han1,2,*	
학생구두발표 IV			수산관 강의실(102호)
SO-4. 생리, 생태, 응용			좌장 : 김장규 최창근 교수
15:50~16:05	SO-15	A silicon transporter Pyls1 plays a critical role in stress tolerance in marine red alga <i>Pyropia yezoensis</i>	
		Bao Le1, Man-Gu Kang2, Mawra Nadeem1, Seung Hwan Yang1, Kirill S. Golokhvast3, Sang-Mi Sun1*	
16:05~16:20	SO-16	Development of a PCR-free marine biodiversity assessment methodology	
		Jihoon Jo1,3, Hyun-Gwan Lee2,3, Keunyoung Kim2,3, Juhee Min2,3, Jingyo Lee2,3, Kwang Young Kim2,3 and Chungoo Park1,3*	
16:20~16:35	SO-17	방사무늬김(<i>Pyropia yezoensis</i>)의 살리실산 매개 질병 저항성	
		정서경, 김광훈	
16:35~16:50	SO-18	Optimization for protoplast isolation from the gametophytes of <i>Undaria pinnatifida</i> using response surface methodology	
		Jose Avila, Boo Yeon Won, Tae Oh Cho	
일반구두발표 I			해양생물센터(1층)
			좌장 : 윤호성 박명길 교수
17:00~17:20	OO-01	Pathogen-specific gene regulation in the red alga <i>Pyropia tenera</i> against the three most common diseases in sea farms	
		Gwang Hoon Kim, Soo Hyun Im, Da Jeoung Lee and Tatyana A. Klochkova	
17:20~17:40	OO-02	Revealing the distinct habitat ranges and hybrid zone of genetic sub-populations within <i>Pseudo-nitzschia pungens</i> (Bacillariophyceae) in the West Pacific area	
		Jin Ho Kim, Pengbin Wang, Bum Soo Park, Joo-Hwan Kim, Shailesh Kumar Patidar, Myung-Soo Han	
17:40~18:00	OO-03	Improved Pigment Content of Microalgae by Use of CRISPR-CAS9 Technology	
		Kwangryul Baek1, Sangsu Bae2 and EonSeon Jin1	
일반구두발표 II			수산관 강의실(102호)
			좌장 : 김명숙 김명식 교수
17:00~17:20	OO-04	Learn from the Assembling Red Algal Tree of Life (RedToL)	
		Hwan Su Yoon, and the RedToL research team	
17:20~17:40	OO-05	Integrated Multi-Trophic Aquaculture for Korea Waters	
		Jang Kyun Kim1, Hailong Wu1, Miseon Park2, Youngdae Kim2, Yonghyun Do2, Taejun Han1,3 and Charles Yarish4	
17:40~18:00	OO-06	Development of methods for evaluation of natural seaweed beds in Korea	
		Chang Geun Choi1*, Ok-in Choi2 and Mi Kyung Choe2	

11월 3일 (금)

기조강연			대회의실 4층(1917홀)
			좌장 : 진연선 교수
9:00~9:40	PL II	Ambivalence of Algae: <i>Microcystis aeruginosa</i> vs. <i>Ettlia</i> sp.	
		Hee-Mock Oh	
신진연구자발표			대회의실 4층(1917홀)
			좌장 : 조태오 최함길 교수
9:50~10:10	AO-01	What is the real species tree?	
		JunMo Lee ¹ , Suzanne Fredericq ² , Wendy A. Nelson ³ , Tae Oh Cho ⁴ , Han-Gu Choi ⁵ , Hwan Su Yoon ¹	
10:10~10:30	AO-02	The study of endophytic green algae (Ulvophyceae) from Korea	
		Chansong Kim ¹ , Young Sik Kim ^{1*} , Han Gil Choi ² , Ki Wan Nam ³	
10:30~10:50	AO-03	상주 공검지 퇴적층의 연대별 돌말류 분석을 통한 고대 환경 변화 연구	
		이상득, 윤석민, 조표연	
특별세션			대회의실 4층(1917홀)
			좌장 : 최미경 박사
11:00~11:10	SC I -01	한국의 바다숲 복원 및 관리방향	
		김정하	
11:10~11:25	SC I -02	Manipulation of sea urchin density and application of metapopulation concept for recovery and maintenance of kelp forest in barren grounds	
		Jeong Ha Kim, Young Wook Ko, Kwon Mo Yang, Ji Young Hwang	
11:25~11:40	SC I -03	Growth and Maturation of <i>Sargassum macrocarpum</i> in Cheongsan-Do Island in Southwestern coast of Korea	
		Nam-Gil Kim, Joon-Sik Yoon, Min-Jeong Lee and Min-Ju Kim	
11:40~11:55	SC I -04	A Study on the Selection of Suitable Sites for Sea-forest Enhancement	
		Tae-Geon Oh, Dong-Hyeon Im, and Sang-Ho Baek	
11:55~12:10	SC I -05	Effects of the artificial spawning area with seaweed plate and reef on local sailfin sandfish species <i>Arctoscopus japonicas</i> in the East Coast of Korea	
		Ji-Huyn Lee ^{*1} , Yong-Woo Choi ² , Wan-Ki Kim ¹ , Jong-Kuk Youn ¹ , Eungyu Han ¹ , Jung-Mi Ahn ¹	
12:10~12:25	SC I -06	2016년 바다숲의 생태적 경제적 가치평가	
		강석규	

포스터발표			대회의실 4층 로비 좌장·박림길 교수 황원기 박사
PA 분류 및 형태			
14:00~15:00	PA-01	Description and application of a marine microalga <i>Auxenochlorella protothecoides</i> isolated from Ulleung-do Hyoeung Seok Jang ¹ , Nam Seon Kang ² , Kyeong Mi Kim ¹ , Byung Hee Jeon ¹ , Joon Sang Park ¹ , and Ji Won Hong ¹	
	PA-02	Species diversity of phytoplankton in Cheonjin lake, North-East South Korea Hyo Seong Jeong , Han Soon Kim	
	PA-03	Evolutionary Dynamics of Cryptophyte Plastid Genomes Jong Im Kim ¹ , Christa E. Moore ² , John M. Archibald ² , Debashish Bhattacharya ³ , Gangman Yi ⁴ , Hwan Su Yoon ^{5*} , & Woongghi Shin ^{1*}	
	PA-04	Complete mitochondrial genomes of two <i>Sargassum</i> species, <i>S. nigrifolium</i> and <i>S. yezoense</i> (Fucales, Phaeophyceae) Kyeong Mi Kim , Hyeong Seok Jang, and Ji Won Hong	
	PA-05	Taxonomy and description of freshwater microalga Mirye Park , Seung Won Nam, Chang Soo Lee, Hyun-Jin Kwon, Kyung June Yim, Eun Sun Joo	
	PA-06	New records of diatoms (Bacillariophyceae) and floristic survey in Korea Suk Min Yun , Sang Deuk Lee, Hye-Won Yang, Oe Jung Kim, Pyo Yun Cho	
	PA-07	<i>Suriella nnibria</i> sp. nov. in freshwater, South Korea Suk Min Yun ¹ , Sang Deuk Lee ¹ , Han Soon Kim ²	
	PA-08	Morphological Characteristics of Sand-Dwelling Benthic Dinoflagellates as Newly Recorded Species to Korean Waters Su-Min Kang , Gyu-Beom Kim and Joon-Baek Lee	
	PA-09	Complete organelle genome and "flip-flop" structure of chloroplast genome of <i>Capsosiphon fulvescens</i> (Ulotrionales, Ulvophyceae) Dong Seok Kim , Ji Won Choi, Jun Mo Lee, Hwan Su Yoon	
	PA-10	Morphological observations and phylogenetic position of the parasitoid nanoflagellate <i>Pseudopirsonia</i> sp. (Cercozoa) infecting the marine diatom <i>Coscinodiscus waiilesii</i> (acillariophyta) 김선주 ¹ , 전창범 ² , 박명길 ²	
	PA-11	Three Antarctic <i>Asterochloris</i> species (Trebouxiophyceae) from King George island, Antarctica Yongjun Kim ¹ , Jong Im Kim ¹ , Jae Eun So ^{2,3} , Soon Gyu Hong ^{2,3} , Han-Gu Choi ² , Woongghi Shin ¹	
	PA-12	New candidate species of endophytic green algae <i>Bolbocoleon minus</i> sp. nov. (Ulvophyceae) from Korea. Chansong Kim ¹ , Young Sik Kim ^{1*} , Hyeon Jeong Lee ¹ , Ki Wan Nam ²	
	PA-13	경상남도 산지습지에서서의 규조류 균집분포 박솔이 ¹ , 김진희 ² , 이재학 ¹ , 리지아시우 ¹ , 진덕현 ¹ , 김한순 ¹	
	PA-14	Comparative genomics of plastid and mitochondria in <i>Minerva aenigmata</i> and <i>Pyropia pulchra</i> (Rhodophyta) Seung In Park ¹ , Jun Mo Lee ¹ , Hwan Su Yoon ¹ , Wendy A.Nelson ² , Kathy A. Miller ³	
	PA-15	곰피(<i>Ecklonia stolonifera</i>)의 양식과 품종 구분을 위한 형질분석 육정현 , 이상래, 황일기, 김승오, 황미숙 ¹	
	PA-16	홍조식물 <i>Griffithsia monilis</i> 의 형태 발생에 대한 DNA-methylation 저해제 5-azacytidine의 영향 윤지호 , 김광훈	
	PA-17	A new report of two marine Mallomonas (Synurophyceae) from Korea Minseock Jeong , Jong Im Kim, Woongghi Shin	
	PA-18	Diatoms (Bacillariophyta) from a tidal sandflat of the western coast, with emphasis on the richness and diversity of epibenthic species 조경재	
	PA-19	Isolation and computational characterization of glutathione peroxidase gene from <i>Pyropia yezoensis</i> Mawra Nadeem ¹ , Bao Le ¹ , Man-Gu Kang ² , Seung Hwan Yang ¹ , Kirill S. Golokhvast ³ , Sang-Mi Sun ¹	
	PA-20	The crustose coralline alga, two new <i>Phymatolithon</i> species (Hapalidiales, Rhodophyta) from Korea So Young Jeong , Boo Yeon Won, Tae Oh Cho*	
	PA-21	A new record of epilithic coralline algae <i>Lithothamnion japonicum</i> (Hapalidiales, Rhodophyta) from Korea So Young Jeong , Boo Yeon Won, Tae Oh Cho*	
	PA-22	The ITS2 genetic polymorphisms within <i>Pseudo-nitzschia pungens</i> (Bacillariophyceae) resulted from the sexual reproduction Jin Ho Kim ¹ , Joo-Hwan Kim ¹ , Bum Soo Park ¹ , Myung-Soo Han ¹ , Penelope Ajani ² , Shauna Murray ² , Hong Chang Lim ³ , Po Yeon Lim ⁴	
	PA-23	한국산 돌말류 속 이상의 분류군의 국명화 연구 이진환	
	PA-24	Cloning of a novel Cyclophilin B gene in the red tide dinoflagellate <i>Cochlodinium polykrikoides</i> : molecular characterizations and transcription to environmental stresses Sofia Abassi , Hui Wang, Won-Ji Choi, Sathasivam Ramaraj, Jang-Seu Ki ¹	
	PA-25	Description of <i>S. coreanum</i> sp. nov. in the Korean coasts Il Ki Hwang ¹ , Ga Youn Cho ² , Martha S. Calderon ³ , Sung Min Boo ³	
	PA-26	Revision of the genus <i>Streblocladia</i> (Rhodomelaceae) in New Zealand, with genetic evidence for a new species M.S. Kim ^{1*} , M.Y. Yang ¹ , B. Kim ¹ , R. D'Archino ² , W. Nelson ² and J. Sutherland ²	
	PA-27	New auxiliary cell ampullae based on foliose red algae, <i>Nesoia</i> gen. nov. (Halemiaceae, Rhodophyta) from Korea Hyung Woo Lee and Myung Sook Kim	
	PA-28	Molecular and morphological investigations of the genus <i>Scinia</i> (Nemaliales, Rhodophyta) from the northern Pacific Jong Chul Lee ¹ , Z. Hyung Woo Lee ¹ , Kathy Ann Miller ³ , and Myung Sook Kim ¹	
	PA-29	Transfer four species of <i>Haraldiophyllum</i> (Delesseriaceae, Rhodophyta) to <i>Neoharaldiophyllum</i> gen. nov. based on cystocarp development and molecular data Jeong Chan Kang , Mi Yeon Yang and Myung Sook Kim	
	PA-30	Species boundary of <i>Scinia johnstoniae</i> (Nemaliales, Rhodophyta) from the northern Pacific using molecular analysis Jong Chul Lee ¹ , Z. Hyung Woo Lee ¹ , Kathy Ann Miller ³ , and Myung Sook Kim ¹	
	PA-31	Cryptic species diversity of the genus <i>Herposiphonia</i> (Rhodomelaceae, Rhodophyta) from the south-eastern coast of Spain Young Ho Koh ¹ , Ricardo Bermejo ² , Myung Sook Kim ¹	
	PA-32	Taxonomy and Phylogeny of the genus <i>Phymatolithon</i> (Hapalidiales, Rhodophyta) So Young Jeong, Boo Yeon Won, Tae Oh Cho	
	PA-33	Protoplast regeneration from male and female gametophytes of <i>Undaria pinnatifida</i> José Avila , Boo Yeon Won, Tae Oh Cho	
	PA-34	Rediscovery of the <i>Ochromonas</i> type species, <i>Ochromonas triangulata</i> Wysotski, from sample of the type locality Louis Graf	
	PA-35	Multigene phylogeny reveals pattern of evolution of the multicellularity in the Heterokontophyta SI clade Louis Graf ¹ , Robert A. Andersen ² & Hwan Su Yoon ¹	
	PA-36	Chromatophore genome of <i>Paulinella longichromatophora</i> : Changes during endosymbiotic organogenesis Duckhyun Lhee , Sunju Kim, Myung Gil Park, Debashish Bhattacharya, Hwan Su Yoon	
	PA-37	The genomic analysis of <i>Apophlaea lyallii</i> (Florideophyceae, Rhodophyta); the algal-fungal symbiosis Chung Hyun Cho ¹ , Wendy Nelson ^{2,3} , Hwan Su Yoon ¹	
	PA-38	<i>Pleurostomum flabellatum</i> genomics; New paradigm to unveil the adaptation of extreme salinity Khaoula Ettahi ¹ , Jong Soo Park ² , Hwan Su Yoon	
	PA-39	A new endophytic green algal species: <i>Ulvelia jejuensis</i> sp. nov. (Ulvellaceae, Chlorophyta) from Korea Chansong Kim ¹ , Young Sik Kim ^{1*} , Han Gil Choi ² , Ki Wan Nam ³	
	PA-40	Nitrogen uptake and growth of thalli of <i>Pyropia yezoensis</i> under several culture conditions Soung Youn Choi ¹ , Hyeon Jeong Lee ¹ , Chansong Kim ¹ , Jae Seong Kim ² , Young Sik Kim ¹	

포스터발표			대회의실 4층 로비
PB-생태			좌장 : 윤호성 교수 기장서 교수
14:00~15:00	PB-01	Short-term variations of the phytoplankton species composition and environmental parameters in Youngsan River estuary Arnold Jesfel Rejuso , Yongsik Sin*	
	PB-02	Ecological Study in Macroalgal Assemblage of Ulleungdo on East Coast of Korea Gyu Jin Park 1, Chang Geun Choi2	
	PB-03	영산강 하구의 담수유입에 따른 생태적 영향 Inyeol Kim 1, Jewoo Park1, Hayan Yoon2, Yongsik Shin1*	
	PB-04	Seasonal growth and reproduction of <i>Gelidium coreanum</i> and <i>G. elegans</i> (Rhodophyta) from the east coast of Korea Juul Lee 1, Changgeun Choi2, Ilki Hwang3, Kyusam Han4, Hyunggeun Kim4, Sungmin Boo1	
	PB-05	목포해역 식물플랑크톤 Chlorophyll a의 계절별 크기구조 Sehee Kim 1, Hwaean Cha1, Hayan Yoon2, Yongsik Shin1	
	PB-06	Holocene environmental changes from a diatom record in Korea (Reservoir Gonggeomji, Sangju City) Suk Min Yun , Sang Deuk Lee, Pyo Yun Cho	
	PB-07	Akashiwo sanguinea 적조 발생 및 미 발생시의 환경변화 차이 강준수 1,2, 김현정2, 한해정2, 오석진1, 정승원2	
	PB-08	Effects of salinity on growth and photosynthetic performance of Ulva ohnoi (Chlorophyta) 김나현 , 문한비, 이숙연, 김주형	
	PB-09	Surveys on high-temperature resistant natural populations of <i>Pyropia</i> species in Korea Ro Won Kim 1, Tatyana A. Klochkova 2, Min Seok Kwak 1, Gwang Hoon Kim 1	
	PB-10	한국 연안에 서식하는 군소의 섬식생태 김민주 , 김남길	
	PB-11	갯벌에서 광량에 따른 저서미세조류의 영양염 흡수율 김소연 1, 이숙연2, 김일남1, 김주형2	
	PB-12	통영해역에서 출현하는 식물플랑크톤 변동 특성 1: 차세대 염기서열 및 현미경 분석을 통한 규조류의 변동 차이 김현정 , 정승원	
	PB-13	Quantitative distribution of three Alexandrium species in the southern Korea coast during the potential blooming season of 2017 by digital PCR Hye Mi Kim , Hyun-Gwan Lee, Kwang Young Kim	
	PB-14	Quantification of inorganic carbon removal efficiency by <i>Pyropia</i> aquaculture bed 문한비 , 김나현, 이숙연, 김주형	
	PB-15	Effect of red algal blooms on trophic structure of macrobenthic food web in the southern coast of Korea revealed by C and N stable isotope analyses 박현재 1, 곽정현2, 강창근3	
	PB-16	준계 제주도 연안의 유독 착생 외편모류 <i>Ostreopsis</i> 의 분포와 분자계통학적 위치 서효정 1, 김현정1, 김돈기1, 정영교1, 백승호2, 김선주1	
	PB-17	한국산 방사무늬김(Pyropia yezoensis)의 건조 스트레스에 의한 붉은갯병(red rot disease) 감염률 비교 심준보 , 하동수, 이순정	
	PB-18	Practicality of mitochondrial marker for diatoms community monitoring of the west coast of Korea 양은찬 , 안성민, 노재훈	
	PB-19	Impact of ocean acidification and warming on chlorophyll a fluorescence and growth of the canopy forming alga <i>Sargassum homeri</i> 이숙연 1, 민주희2, 김광용2, 김주형1	
	PB-20	Mapping distribution of cysts of recent dinoflagellate and Cochlodinium polykrioides using next-generation sequencing and morphological approaches in South Sea, Korea 정승원 , 김현정	
	PB-21	남, 동해 하천 하구역의 부착규조를 이용한 수생태계 건강성 평가 최재신 , 채현식, 이재학, 김한순	
	PB-22	통영 연안 해역에서 여름철 Chlorophyll a 연속 관측 및 식물플랑크톤 군집 변화 한해정 1, 강준수1,2 정승원1	
	PB-23	외편모조류 <i>Oxyrrhis marina</i> 의 섭식 과정 중 편모의 역할에 대한 초고속 촬영 분석 홍찬영 , 김광훈	
	PB-24	채취법에 따른 우뚝가사리 종조성 및 생물량 변화 양상 김현겸 1, 이진호1, 양문호1, 한명일1, 한은규1, 이영돈2, 강정찬2	
	PB-25	Benthic invertebrate community structure in natural and restored <i>Zostera marina</i> beds in Seosan, Korea Yejin Hyeon 1 2, Mi-Kyung Choi1, Ok-In Choi1, Yong-Woo Choi1, Seok-Kyu Kang 3, Min-Ho Son4, Young-Chul Park5, Jae-Won Yoo6, Kun-Seop Lee 2*	
	PB-26	Treatment of secondary wastewater effluent using High Rate Algal Ponds in New Zealand Jason Park *1, Rupert Craggs 1, Chris Tanner	
	PB-27	Influence of salinity on growth, nutrient uptake and nutrient bioextraction capacity of seaweeds Sookkyung Shin 1, Hailong Wu1, Miseon Park2, Youngdae Kim2, Yonghyun Do2 and Jang K. Kim	
	PB-28	Seaweed Cultivation in Northeast America for Food, Feeds, Fertilizer, Ecosystem Services & Biofuels Jang K. Kim 1,2, Charles Yarish2,3, Bren Smith4, & Simona Augyte2,4	
	PB-29	Study of Community Structure and Algal Flora of Gageodo Island, West-southern Coast, Korea Seung Wook Jung 1, Yoon Sik Oh2, Chang Geun Choi1	
	PB-30	Study of Ecological Structure and Flora in Marine Macro algae on East Coast and Jeju Island, Korea Gyu Jin Park , Chang Geun Choi	
	PB-31	Trophic structures of benthic microalgae to benthos in marine ecosystems of Korea using stable isotopes and food web analyses Donghoon Shin *1,2, Chang Geun Choi2, Chang-Keun Kang3	
	PB-32	홍조류 진두발 아외계체군의 계절 및 조위에 따른 생장과생식변화 Cyr Abel Maranguy Ogandaga 1, Lee Jung Rok1, Han Gil Choi *1, Jeong Ha Kim2, Young Sik Kim3, Ki Wan Nam4	

포스터발표			대회의실 4층 로비
PC. 생리 및 유전			좌장 : 김영숙 교수 김혁식 박사
14:00~15:00	PC-01	Overexpression of a S-Adenosylmethionine Synthetase gene from <i>Pyropia tenera</i> confers enhanced tolerance to salinity stress Hyun Dae Hong , Jin-Woo Han, Jong Won Han, Hyun-Ju Hwang	
	PC-02	New insights of the taxonomy of <i>Pyropia pseudolinearis</i> complex: Proposal a new cryptic species, <i>Pyropia donghaensis</i> S.M. Kim et H.-S. Kim, from the east coast of Korea (Bangiaecae, Rhodophyta). Sun-Mi Kim1, Il-Ki Hwang2, Han Gu, Choi1, Mi Sook Hwang2*, and Hyung-Seop Kim3*	
	PC-03	Biomass analysis of four domestic microalgae strains using wastewater treatment for different types of applications Jeong-Mi Do1 , Seung-Woo Jo2, Ho Ra1, Ho-Sung Yoon1,2	
	PC-04	RNA-seq analysis for the study of circadian gene expression in multicellular red algal <i>Gracilariopsis chorda</i> Ji Hyun Yang , JunMo Lee, Khaoula Ettahi, Hwan Su Yoon	
	PC-05	Alteration of inorganic carbon acquisition on geniculate coralline alga <i>Corallina officinalis</i> under hypoxia and warming Juhee Min1 , Hanbi Moon2, Nahyeon Kim2, Ju-Hyoung Kim2, Kwang Young Kim1	
	PC-06	DNA methylation is involved in regeneration and differentiation of protoplasts in the <i>Bryopsis plumosa</i> Minseok Kwak 1 , Tatyana A. Klochkova 2, Gwang Hoon Kim 1	
	PC-07	Interactive effects of temperature and light properties (intensity and wavelength) on the photosynthesis and growth of red alga <i>Pyropia dentata</i> (Bangiales, Rhodophyta) in a conchocelis phase 김주형1 , 이숙연1, 최성재2	
	PC-08	해양 남균에 감염된 홍조식물 엽가지들의 전신획득저항성 문현영 , 김광훈	
	PC-09	Viral infection enhances resistance to oomycete pathogens in <i>Pyropia yezoensis</i> 박지혜 , 이다정, 김광훈	
	PC-10	홍조식물 <i>Bostrychia moritziana</i> 의 성 특이적 importin alpha 유전자의 규명 심은영1 , 심준보2, 김광훈1	
	PC-11	<i>Labyrinthula zosterae</i> 감염에 의한 거머리말(<i>Zostera marina</i>)의 Mn-SOD 유전자 발현 심준보 , 하동수, 이순정	
	PC-12	양식 김 엽체의 기계적 절단에 의한 무성포자 방출 유도 이정은 , 김광훈	
	PC-13	녹조식물 해캄(<i>Spirogyra varians</i>)의 phototropin 분석 이지용 , 김광훈	
	PC-14	세 가지 갯벌에 대한 참김 (<i>Pyropia tenera</i>)의 특이적 면역 반응 분석 임수현 , Tatyana A. Klochkova, 이다정, 김광훈	
	PC-15	방사무늬김(<i>Pyropia yezoensis</i>) 6개 품종의 신안지역 적합성 확인을 위한 생장 비교 김지건 , 모기호, 김영희, 이지은, 허진석, 박은정	
	PC-16	방사무늬김 우량계통주 선발을 위한 저준위 감마선조사 김지건 , 모기호, 김영희, 이지은, 허진석, 박은정	
	PC-17	Diatom-Based Paleoenvironmental Reconstruction in Upo Wetland, South Korea Sang Deuk Lee , Suk Min Yun, Pyo Yun Cho	
	PC-18	Combined effect of irradiance and temperature on egg discharge efficiency from female gametophytes of <i>Undaria peterseniana</i> (Phaeophyta) SM Mustafizur Rahman1,3 , Jae Hong Pak2 and Hyung Geun Kim3	
	PC-19	Protoplast isolation and regeneration from the filamentous brown alga, <i>Hecatonema terminale</i> (Ectocarpales, Chordariaceae) Jose Avila , Boo Yeon Won, Tae Oh Cho	
	PC-20	바다숲 복원을 위한 지중미와 고시래기의 생리·생태 및 종묘생산 Jeong Rok Lee1 , Nam-Gil Kim2, Han Gil Choi1	
	PC-21	퇴적물의 양과 입자 크기가 갈조류 지중미 결합자의 부착률과 배아의 생존 및 생장에 미치는 영향 Gao Xu , Jeong Rok Lee, Seo Kyeong Park, Han Gil Choi	
	PC-22	우리나라 양식종(방사무늬김, 모무늬돌김, 잇바다돌김)의 체묘 효율을 높이기 위한 최적 온도 및 조도조건 탐색 허진석 , 박은정, 김영희, 하동수	
	PC-23	유리배우체 체묘 효율 향상을 위한 최적 배우체 비율 및 고온자극이 아포체 형성에 미치는 영향 유현일 , 김수홍, 이기현, 하동수	
	PC-24	Physiological effects of copper on the freshwater algae <i>Closterium ehrenbergii</i> and its potential use in toxicity assessments Hui Wang , Hansol Kim, Sathasivam Ramaraj, Jang-Seu Ki	
	PC-25	Feasibility study on seed production and aquaculture of <i>Saccharina japonica</i> (Phaeophyta) in the middle coast of East Sea, Korea Min Su Park , Suraiya Arzu, Su Min Ko, Jae Joong Jin, Hyung Geun Kim	
	PC-26	Sexual maturity of male and female gametophytes of <i>Undaria peterseniana</i> (Phaeophyta) in Ulleungdo island Hyung Geun Kim1 , SM Mustafizur Rahman1,3, Sung Jin Yoon2, Yun Bae Kim2, Chung Il Lee1	
	PC-27	Outdoor cultivation of Korean domestic microalgae in large scale Ji Won Hong1 , Oh Hong Kim1, Seung-Woo Jo2, Jeong-Mi Do3, Ho Na3, Ho-Sung Yoon1,2,3,*	

포스터발표			좌장 : 최창근 교수 김명식 교수
PD-응용조류 및 생명공학			
14:00~15:00	PD-01	Cryopreservation method of freshwater microalgae in Korea Chang Soo Lee , Mirye Park, Eun Sun Joo, Hyun-Jin Kwon, Seung Won Nam, Kyung June Yim, Jee-Hwan Kim	
	PD-02	Possible Application of the Polychaete-Assisted Integrated Culture for IMTA Development Chang-Hoon Kim1 , Dong Ju Kim1, War War Phoo1, Ye Pyae Naing1, Hong Jin Kim2	
	PD-03	Effects of extracellular polymeric substances (EPS) components on the flocculation and adsorption behaviors of Ectlia sp. Chau Hai Thai Vu 1,2 , Seong-Jun Chun 1,2, Seong-Hyun Seo 1,3, Hee-Mock Oh 1,2	
	PD-04	A new strain development of Saccharina japonica for stable abalone feed industry in Korea Eun Kyoung Hwang1 , Dong Soo Ha1, Chan Sun Park2	
	PD-05	Development of molecule delivery system by using cell-penetrating peptides in red alga Pyropia tenera Hancheol Jeon , Hyun Dae Hong, Yong Tae Kim, Jin-Woo Han, Hyun-Ju Hwang, Jong Won Han	
	PD-06	Comparative transcriptomics of thermal responses in red-tide algae Cochlodinium polykrioides Hyun-Hee Hong a,c, Hyun-Gwan Leeb,c, Jihoon Joa,c, Sung-Gwon Leea,c, Hyewon Kimb,c, Kwang Young Kimb,c, Chungoo Parka,c*	
	PD-07	The discovery of novel stage-specific biomarkers for early detection of harmful marine organisms using transcriptome profiling analysis Joosong Oh1,3 , Hyun-Gwan Lee2,3, Juhee Min2,3, Hyemi Kim2,3, Keunyeong Kim2,3, Kwang Young Kim2,3, Chungoo Park1,3	
	PD-08	Loss of CpSRP components affected LHCP transport and assembly of thylakoid membranes in Chlamydomonas reinhardtii Jooyeon Jeong1 , Kwangryul Baek1, Henning Kirst2, Nico Betterle2, Anastasios Melis2, EonSeon Jin1	
	PD-09	Study of the screening method of H.pluvialis mutants for enhancing the astaxanthin yield Lee Yu Kyong1 , Sang A Lee1, Bit Na Lee1, Chang-Hee Hong2, Dae Geun Kim2	
	PD-10	The methods for increasing Astaxanthin and DHA contents from Schizochytrium SHG 104 Sang A Lee1 , Yu Kyong Lee1, Bit Na Lee1, Chang-Hee Hong2, Dae Geun Kim2	
	PD-11	Isolation and Characterization of high temperature tolerant strain in Pyropia yezoensis Yoon Ju Shin , Da Yeon Kang, Jong-Min Lim, Won-Joong Jeong	
	PD-12	해양심층수를 활용한 스피롤리나 (Arthrospira platensis)의 광합성 색소와 항산화능 연구 김미성 , 김용찬, 김영라, 김중현, 이정석, 한영석	
	PD-13	Development of Efficient Transformation and Selection Methods for Microalgae Min-Jeong Kim , Aryan Rahimi-Midani, Yelin Kim, Su-Hyun Kim, Anshuman Mishra, and Tae-Jin Choi	
	PD-14	신물질 심사를 위한 나문재의 특성조사요령 김승오 , 김경환, 황일기, 이채길, 황미숙	
	PD-15	Rapid transformation of Chlamydomonas reinhardtii using Subtilisin (Alcalase) 김용태1 , 황현주1, 강남선1, 김광훈2, 한종원1	
	PD-16	Effect of nutrient limitation on lipid production by Chlamydomonas reinhardtii 박서정 , 최종일	
	PD-17	Anti-ulcer effect of polysaccharides from Undaria sp. 최종일 , 박서정	
	PD-18	Optimized process for the sequential production of lipid and carotenoids from Ectlia sp. Nakyeong Lee 1, 2 , So-Ra Ko 1, Chi-Yong Ahn 1, 2, Hee-Mock Oh 1, 2	
	PD-19	세포분열능이 우수한 Haematococcus pluvialis B0103의 Astaxanthin 생산 방식 개선에 관한 연구 이빛나1 , 이유경1, 이상아1, 홍창희2, 김대근2*	
	PD-20	The anti-cancer compounds Saringosterol acetate from Hizikia fusiforme inhibit cancer cell growth and PIK3/AKT/mTORpathway on Hep3B and Du145 cancer cell lines. Hyo Geun Lee , You-Jin Jeon, WonWoo Lee*	
	PD-21	Functional expression and characterization of GlcNAc specific marine algal lectin 한진욱1 , 황현주1, 김광훈2, 한종원1	
	PD-22	Inhibition of inflammatory responses elicited by urban fine dust particles in keratinocytes and macrophages by diphenylhydroxy-carmalol isolated from a brown alga Ishige okamurae I. P. Shanura Fernando , Won-Woo Lee, Hyo Geun Lee, You-Jin Jeon*	
	PD-23	Anti-inflammatory effects of a sulfated polysaccharide isolated from an enzymatic digest of brown seaweed Sargassum horneri K.K.A Sanjeewa , Won-Woo Lee, Hyo Geun Lee, You-Jin Jeon	
	PD-24	Protective effect of a novel antioxidative peptide purified from a marine Chlorella ellipsoidea protein against oxidative stress induced by free radicals Lei Wang , Won-Woo Lee, Hyo Geun Lee, You-Jin Jeon	
	PD-25	Marine algal polyphenols stimulate muscle growth in C2C12 muscle cells through myogenesis pathways Seo-Young Kim , Won-Woo Lee, Hyo Geun Lee, You-Jin Jeon*	
	PD-26	Green TD- A New Environment-Friendly Algicidal Compound 김진원1 , 백유민1, 조한설1, 이도훈1, 손형규2, 조훈2	
	PD-27	Seaweed beer: an application of seaweed biomass Sojin Jang , Seoyoon Kim, Hayeon Kim, Haram Jung and Jang K. Kim	
	PD-28	Identification and Characterization of an Isoform Antifreeze Protein from the Antarctic Marine Diatom, Chaetoceros neogracile and Suggestion of the Core Region Minjae Kim 1, Yunho Gwak 1, Woongsic Jung 2,* and EonSeon Jin 1,*	
	PD-29	Control of zooplankton populations using CO2 asphyxiation: from laboratory cultures to a wastewater treatment High Rate Algal Pond Valerio Montemezzani a , Ian C. Duggana, Ian D. Hogga, Rupert J. Craggsb.	