

POSTER SESSION I
TUESDAY, 23 APRIL 2013 (14:15 - 15:45)

CATEGORY	No.	TITLE AND AUTHOR(S)
SEAWEED BIOGEOGRAPHY & PRODUCTIVITY	1	<i>Codium arenicola</i> (Bryopsidales, Chlorophyta) from Sulawesi, Indonesia Chacana M
	2	Responses of community structure and biochemical composition of macroalgae to sewage effluents in intertidal rocky shores on the southern coast of Korea Kim S*, Kang YH, Park SR, Lee KS, Lee JB, Kil HJ , Yoon SP, Lee SJ
POST HARVEST AND PROCESSING	3	A new platform to externalize R&D on Algae Brebion J*, Hennequart F, Quéguineur B
	4	Ultrasound as pre-treatment for drying of brown seaweed <i>Ascophyllum nodosum</i> Kadam SU*, O'Donnell CP, Tiwari BK
	5	Study of the gelation characteristics of carrageenan extracted from different cultivation days of <i>Kappaphycus alvarezii</i> Tashiro Y*, Montolalu IR, Hatasawa M, Ogawa H
	6	Effects of improved post harvest handling on the morphology and chemical constituents of red algae, <i>Kappaphycus alvarezii</i> Doty Vairappan CS, Ramachandram T*
HYDROCOLLOID SEAWEED EXTRACTS	7	Analysis of the polysaccharides from <i>Cladophora falklandica</i> : some aspects of their action on the hemostatic system Arata PX, Raffo MP, Quintana I, Ciancia M*
	8	Aquaculture of Ulvaceae green seaweeds for the production of biopolymers for industrial applications Champenois J*, Sassi J-F
	9	Physical and chemical characterization of Semi Refined Carrageenan (SRC) extracted from different coastal waters in Indonesia Dewi EN*, Darmanto YS, Ambariyanto
	10	A mitogenic sulfated polysaccharide from the red alga <i>Gracilariopsis chorda</i> (Holmes) Ohmi Kakita H*, Kamishima H
	11	Effect of algal sodium alginate as raw material on the tensile strength of calcium alginate gels Kakita H*, Obika H, Makita Y, Sonoda A
	12	Fresh seaweed extraction Patel HN
	13	The effect of storage environment for dried <i>Gelidium elegans</i> Kützing on the agar gelation characteristics Tashiro Y, Nanahara M*, Mizuno K, Ogawa H
	14	Microwave-assisted extraction of carrageenan from <i>Hypnea musciformis</i> from Yucatan Vázquez-Delfín E, Quintana P, Freile-Peigrín Y, Robledo D*
	15	Gel properties of carrageenans extracted from red seaweeds (Rhodophyta)

		Watung AH, Montolalu RI*, Gerung SG, Tashiro Y, Ogawa H
	16	Brown algae (Phaeophyceae) - alginate-producing potential in Bitung, Indonesia Mira S*, Wouthuyzen S
	17	Effects of a commercial extract of the brown alga <i>Ascophyllum nodosum</i> on the biomass production of <i>Kappaphycus alvarezii</i> (Doty) Doty ex P. C. Silva and its carrageenan yield and gel quality cultivated in Brazil Reis RP*, Loureiro RR, Berrogain FD, Critchley AT
CLIMATE CHANGE AND NATURAL SEAWEED BIOMASS	18	Aquatic vegetation detection and mapping: different tools for different case studies Liabot PO*, Perrot T, Mouquet P, Rossi N, Bajjouk T
	19	Distribution, abundance and reproductive seasonality of <i>Hydropuntia edulis</i> Honda Bay, Philippines Sariego RS
NON-HYDROCOLLOID SEAWEED EXTRACTS	20	Anti-obesity property of Sabah brown seaweed, <i>Sargassum polycystum</i> using in vivo animal model Awang AN*, Ng JL, Matanjun P, Sulaiman MR, Tan TS
	21	The new cosmetic agent GA-901 on ethanol extracts of green algae reduced melanin synthesis by down-regulation of tyrosinase expression Chang YC, Chung YC*, Chen, YP, Kuo JT*
	22	System of polysaccharides of <i>Codium decorticans</i> from the Patagonic coast Ciancia M*, Raffo MP, Fernández PV
	23	Development of low calorie seaweed chocolate Hamid MA*, Mamat H, Matanjun P, Darysa N
	24	Relation between enzymatic hydrolysis conditions and extract composition Hardouin K*, Burlot AS, Bedoux G, Nyvall-Collen P, Bourgougnon N
	25	Antioxidative and hepatoprotective effects of <i>Kappaphycus alvarezii</i> and <i>Euclima denticulatum</i> seaweeds Iqbal M*, Charles WYTL, Gnanaraj C, Sivapragasam G, Palanisamy J, Yassir SM
	26	Sargassum extract utilization as functional food formula substances Istini S, Purwoto H, Illaningtyas F
	27	Cytotoxic activity of brown seaweed lipids against adriamycin-resistant human small cell lung carcinoma cell line Jantana P*, Palakas S, Ratanaphadit K, Chirapart A, Kazuo M
	28	Chemical properties of some edible seaweed species available in Sri Lanka Jayasinghe PS*, Pahalewataarchi, Ranaweers VKKD
	29	Isolation and characterization of a fertilization related protein, Rhodospermin, from the red alga, <i>Aglaothamnion callophyllidicola</i> Kim YM*, Jung MG, Han JW, Kim GH
	30	Assessment of some seaweed for nutritional component in Pamban coastal areas Kumari B

	31	Simplicia characterization and antimicrobial activity of ethyl acetate extract from the seaweed <i>Sargassum cinerium</i> J.G. Agardh Lubis AH*, Hadisahputra S, Suryanto D, Nasution MP
	32	The use of <i>Kappaphycus alvarezii</i> and <i>Caulerpa lentillifera</i> in the development of functional ice cream Shaarani SM*, Matanjun P, Razali NR
	33	Spatial variability of the metabolome (pigments, lipids, polysaccharides, proteins and phenolic contents) from the brown macroalga <i>Sargassum muticum</i> collected in natural populations within the Atlantic coasts, from Portugal to Norway Tanniou A*, Vandanjon L, Incera M, Serrano LE, Husa V, Engelen A, Walsh R, Connan S, Le Grand F, Kraffe E, Guerard F, Stiger-Pouvreau V
	34	Studies on lipids reducing function of fucoidan extracted from <i>Costaria costata</i> Wang Q, He Y, Ren D, Song Y, Zhang Z, Li S
SOCIO-ECONOMIC IMPACTS OF SEAWEED FARMING	35	Enhancing jobs potential and monthly income among island's community through seaweed mini Estate culturing project in Semporna, Sabah, Malaysia Hussin R*, Mizpal A
	36	Shortage of farmers: Semporna seaweed farming at risk Lim TS*, Mail R, Jaidi J
	37	Seaweeds: development of seaweed industry in Central Sulawesi-Indonesia based on sustainability study Ma'ruf WF*, Marzuki M
	38	Managing seaweed industry in Sabah: an empirical study Rahma SM*, Arsiah B, Razali DDE, James MA
	39	Focus group findings on seaweed industry in Semporna Sabah Razali DDE*, Bahron A, Alin JM, Mahmud R, Suki NM, Mail R, Sang LT, Malusirang SR, Iskandar A
	40	Marketing activities of seaweed in Semporna district of Sabah, Malaysia: an exploratory study Suki NM, Harun A, Igau O, Jannor Z
	41	Economic valuation of kelp beds in northern Chile Vasquez JA *, Zuñiga-Jara S, Tala I, N Piaget, Vega JMA
MOLECULAR BIOLOGY AND SYSTEMATICS	42	UV-absorbing compounds from <i>Solieria chordalis</i> : characterization and photoprotection activity measurement Bedoux G*, Marty C, Hardouin K, Vandanjon L, Foltete AS, Bourgougnon N
	43	<i>Anisolpidium</i> ; an enigmatic genus? Fletcher KI*, Shar AH, Gachon CMM, van West P, Küpper FC
	44	Cloning and baculoviral expression of C5-epimerase from <i>Saccharina japonica</i> Inoue A*, Morishita M, Tokunaga Y, Sato A, Ojima T
	45	Genetic analysis of wild and farmed <i>Caulerpa</i> species Kase A*, Calumpong H
	46	Preliminary study on speciation mechanisms of marine red algae (Florideophyceae) - a transcriptome approach Liu LC*, Lin SM, Liu SL, Pai TW, Chen CM
	47	An approach to pinpoint the geographic origin of samples of <i>Saccharina japonica</i> by DNA fingerprinting

		Maeda T, Kawai T, Nakaoka M, Yotsukura N
	48	The search for identifiers of macroalgae species through spectroradiometry Nascimento EFI*, Tencourt MD
	49	Genetic analysis of farmed <i>Kappaphycus alvarezii</i> and <i>Eucheuma denticulatum</i> (Solieriaceae, Rhodophyta) in the Philippines and Indonesia using plastid DNA markers Tisera WL*, Calumpong HP, Naguit MR
	50	<i>De novo</i> transcriptome sequence and characterization for <i>Kappaphycus alvarezii</i> (Doty) by using Solexa RNAseq technology Zhang Z, Pang T, Li QQ, Li L, Lin W, Liu JG*
	51	Two-dimensional electrophoresis of thylakoid membrane proteome in <i>Porphyra yezoensis</i> Zhou W*, Wang GC, Lu QQ, Zhu JY
BIOFUELS FROM SEaweEDS	52	Preliminary study on <i>Sargassum</i>, <i>Ulva</i>, and <i>Gelidium</i> as potent biodiesel sources Atmodjo PK*, Sidharta BR
	53	Identifying operating variables in the extraction of fermentable sugars from <i>Sargassum binderi</i> Hii SL*, Loh YT, Wong CL, Yong CK, Arbakariya A
	54	Screening for oils in Irish and Turkish seaweed: yield and quality Pala M, Abreu MH, Uysal T, Önenç S, Seale E, Okutucu Ç, Kilinngli O, Kantarli C, Maguire J*, Yanik J, Jewison J, Tierney N
	55	Efficient saccharification of <i>Ulva</i> starch and its fermentation into bioethanol Sassi JF, Le Guillard C, Lerat Y*
	56	Effects of cytokinins on physiological and biochemical responses of <i>Gracilaria birdiae</i> (Gracilariales, Rhodophyta), a Brazilian agar-producing red alga Yokoya NS, Souza JMC, Stirk WA, van Staden J, Doležal K
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58		Sexual dimorphism in <i>Fucus radicans</i> – a species characteristic or a general trait in fucoids? Kautsky L*, Schagerström E
59		Effect of red and blue light on the speed of gametogenesis in <i>Laminaria digitata</i>: A pictorial representation Kumar JP*, Ratcliff JJ, Soler-Vila A
60		Embryology of zygote and development of juvenile sporophytes of <i>Sargassum vachellianum</i> Greville Zhang J, Yan XH*
61		The technical basis of <i>Porphyra</i> breeding and cultivation Zhu JY*, Zhou W, Zhang T, Li JF, Deng YY, Lu QQ
ECOLOGY (POPULATION & COMMUNITY)	62	Environmental aspects of dredging, port and waterway construction around Coastal Plant Habitats – PIANC Working Group 157 Erfteimeijer PLA*, Jury M, Shafer DJ, Dijkstra JT, Gäbe B, Foster TM

	63	Unusual distribution of drifting seaweed rafts in East China Sea in the spring of 2012 Komatsu T*, Mizuno S, Sakamoto S, Kantachunpoo A, Alabsi MN, Kuramochi Y, Aoki MS, Ajisaka T
	64	Mapping <i>Sargassum</i> beds off Chon Buri Province, Thailand, with remote sensing Noiraksar T*, Sawayama S, Komatsu T
	65	Phenology of two species, <i>Gelidium elegans</i> and <i>Pterocliadiella capillacea</i> (Rhodophyta) in Korea Park JK, Boo GH, Boo SM
	66	Phenology of annual kelp <i>Eckloniopsis</i> forest on a <i>Diadema</i> barren in Uchiura Bay, Central Pacific Coast of Honshu, Japan Akita S*, Kobayashi, M, Yamada K, Itou M, Fujita D
	67	Growth patterns of Chilean kelps holdfast after fragmentation: a novel repopulation approach Westermeyer R*, Murúa P, Patiño DJ, Muñoz L, Ruiz A, Müller DG
SEAWEEDS AS FOOD AND FEED	68	Accumulation of phlorotannins in abalone by feeding the brown seaweed <i>Ecklonia cava</i> Bangoura I, Chowdhury MTH, Kang JY, Cho JY, Jun JC, Hong YK*
	69	Evaluation of <i>Ulva clathrata</i> meal supplementation in fish meal and plant protein-based diets for rainbow trout <i>Oncorhynchus mykiss</i> Cruz-Suarez L E*, Ricque-Marie D, Patro B, Powell MS, Hardy RW
	70	Effect of Sabah seaweed mixture intake on plasma lipid and antioxidant profile of hypercholesterolaemic rats Dousip AMP*, Matanjun P, Sulaiman MR, Tan TS, Lim TP
OTHER	71	Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers, I: A concept of a co-culture system based on <i>Chaetomorpha</i> sp. Tsutsui I*, Aue-umneoy D, Songphatkaew J, Meeanan C, Klomkling S, Sukchai H, Ganmanee M, Miyoshi T, Maeno Y, Hamano K
	72	Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers: II. Morphological, and molecular-sequencing analyses of <i>Chaetomorpha</i> sp. Miyoshi T, Hamano K, Aue-umneoy D, Songphatkaew J, Meeanan C, Klomkling S, Sukchai H, Ganmanee M, Maeno Y, Tsutsui I,
	73	Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers: III. Euryhaline, eurythermal and high growth rate of <i>Chaetomorpha</i> sp. Tsutsui I, Miyoshi T, Aue-umneoy D, Songphatkaew J, Meeanan C, Klomkling S, Sukchai H, Ganmanee M, Maeno Y, Hamano K
	74	Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers: IV. Advantages of <i>Stenothyra</i> sp. (gastropod), a species that cohabit with <i>Chaetomorpha</i> sp. Aue-umneoy D, Songphatkaew J, Meeanan C, Klomkling S, Sukchai H, Ganmanee M, Maeno Y, Miyoshi T, Hamano K, Tsutsui I

75	<p>Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers: V. Effect of <i>Chaetomorpha</i> sp. on shrimp color and free amino acid composition under co-culture system</p> <p>Songphatkaew J, Meeanan C , Klomkling S, Sukchai H, Aue-umneoy, Ganmanee M, Maeno Y, Miyoshi T, Hamano K, Tsutsui I</p>
76	<p>Development of a co-culture system of giant tiger prawn with a filamentous seaweed, <i>Chaetomorpha</i> sp. for small-scale shrimp farmers: VI. Effect of <i>Chaetomorpha</i> sp. on shrimp growth under the co-culture</p> <p>Hamano K*, Aue-umneoy D, Songphatkaew J, Meeanan C, Klomkling S, Sukchai H, Ganmanee M, Maeno Y, Miyoshi T, Tsutsui I</p>

POSTER SESSION II
THURSDAY, 25 APRIL 2013 (14:15 - 15:45)

CATEGORY	No.	TITLE AND AUTHOR(S)
SEAWEEDS AS FOOD AND FEED	77	A development of F2 generation for abalone feed and commercial mariculture from a hybrid between <i>Undariopsis peterseniana</i> and <i>Undaria pinnatifida</i> in Korea Hwang EK*, Gong YG, Sohn CH, Park CS
	78	Technology for quality evaluation of raw brown seaweed Kinoshita Y*, Nogami T, Yotsukura N
	79	Sub-antarctic macroalgae: Opportunities for gastronomic tourism and local fisheries in the Region of Magallanes and the Chilean Antarctic Territory Mansilla A, Astorga-España M*
	80	Profile of <i>Caulerpa racemosa</i> as a nutritious food Ma'ruf WF*, Dewi EN, Ibrahim R
	81	Influence of <i>Kappaphycus alvarezii</i> and <i>Caulerpa lentillifera</i> on the physicochemical properties of ice cream Razali NR*, Shaarani SMd, Matanjun P
	82	d¹³C as an indicator of the relative contribution of seaweed meal in the muscle tissue of Pacific white shrimp (<i>Litopenaeus vannamei</i>) Sánchez A*, Sánchez-Rodríguez I, Casas-Valdez M
	83	Seasonal variation in dietary fiber content of <i>Porphyra yezoensis</i> in Korea Shin DM, In SK, An SR, Koo JG *
	84	The performance of Kapparazii powder TM as a functional food ingredient Sjamsiah*, Ramli N, Daik R, Yarmo MA
	85	Agar-agar powder as texturizer on fruits singles sliced jams formulation and its shelf-life prediction by Arrhenius model Trilaksana W1*, Ramadhan w
CULTIVATION TECHNIQUES	86	The effect of planting distances and seedling weights on growth of seaweed <i>Kappaphycus alvarezii</i> green strain through strain selection using verticulture method Aslan LM*, Kasim M, Sadarun B, Eri L, Sultra R
	87	Effects of harvesting periods on growth and carrageenan content of seaweed <i>Kappaphycus alvarezii</i> using verticulture method Aslan LM*, Jufri RM, Oce A
	88	Indoor and outdoor cultivation of <i>Callophyllis variegata</i> (Gigartinales, Rhodophyta) in southern Chile Ávila M*, Piel MI, Alcapan A
	89	Mass production of plantlets from <i>Kappaphycus alvarezii</i> using Acadian Marine Plant Extract Powder for sea-based nursery purposes Capacio IT*, Beleno M, Extremadura V, Ferrer S, Moses M, Hurtado AQ, Critchley AT
	90	Domestication of red algae <i>Gelidium amansii</i> from the Republic of Korea as an important bioresource at Lombok Island, Indonesia Gerung GS*, You HC, Rusman

91	Site selection for suitable seaweed cultivation area in Indonesia by using Remote Sensing Technology Hendiarti N, Kustantiny A*	
92	Distribution and stability of photosynthetic pigments from <i>Kappaphycus alvarezii</i> variant brown and green as functions of the depth variation in which they are cultivated Indriatmoko, Heriyanto, Limantara L*, Brotosudarmo TP	
93	Floating method of cultivating <i>Kappaphycus alvarezii</i> at different culture periods Istiyanto S*, Rachmawati D, Zainuri M	
94	Seaweed mini estates and fishermen community development in Semporna, Sabah Ali M, Hussin R	
95	Presentation of the "Polyaquaculture in Madagascar", a project for the development of coastal communities in southwestern and northern regions of the Red Island Pascal B*, Eeckhaut I, Lavitra T, Dubois P, Todinanahary GGB, Tsiresy G	
96	The development of new tank system for mutation breeding in <i>Undaria pinnatifida</i> Sato Y*, Yamaguchi M, Hirano T, Hayashi Y, Fukunishi N, Abe T	
97	Tissue culture of cottonii seaweed (<i>Kappaphycus alvarezii</i> Doty) to produce good quality seedlings for seaweed farmers in Indonesia Sulistiani E*, Soelistyowati DT, Yani SA	
98	Seaweed, milkfish, and shrimp polyculture for increasing productivity Tamsil A*, Azis S	
99	Effect of organic liquid fertilizer M-8 with different concentrations to growth rate of red alga, <i>Kappaphycus alvarezii</i> (Doty) Doty cultured in Bolok waters, East Nusa Tenggara Province Tisera WL*, Anakotta ARF, Dima K	
100	Restoration of agarophytic seaweed, <i>Gracilaria fisheri</i> (Gracilariaceae, Rhodophyta), in outdoor tanks under different colors of covered plastic Rapeeporn R, Madiyoh W, Luangthuvapranit C	
DISEASES AND GRAZERS	101	Development of treatment substitute in <i>Porphyra</i> farms for anti-algal diseases in Korea Moon KH*, Kim YT, Kim JY, Shin YJ, Shim JB, Klochkova TA, Kim GH
	102	Isolation and evaluation of resistant strain to red rot disease in <i>Porphyra yezoensis</i> (Bangiales, Rhodophyta) Park CS*, Park KY, Hwang EK, Kakinuma M
	103	The 'ice-ice' disease control on cultivated seaweed at borneo Moramo Sea waters Southeast Sulawesi using tembelekan plant extract <i>Lantana camara</i> Patadjai RS, Nur I, Sabarwati SH
	104	Epi-endophytic Acrochaete in tank cultured sea lettuce (<i>Ulva rigida</i>) Puangsombat P*, Pattanapon C, Ruengsitt N, Praiboon J, Chirapart A
	105	A calcium fungicide for red rot disease and chyrtid blight of <i>Pyropia</i> spp. Shin YJ*, Kim MH, Sim JB, Klochkova TA, Kim GH

	106	Incidence of infection to ice-ice disease of <i>Kappaphycus alvarezii</i> (Doty) Doty and <i>Eucheuma denticulatum</i> (Burman) Collins & Harvey cultivars in Philippine farms Tisera W L*, Calumpong HP, Naguit MR
	107	Electronic microscope analysis of the Epiphytic Filamentous Disease occurring on the cultured algae <i>Kappaphycus alvarezii</i> in Madagascar Tsiresy G*, Bertiaux F, Preux J, Eeckhaut I, Lavitra T, Dubois P, Todinanahary GGB, Pascal B
BIOACTIVE SUBSTANCES FROM SEAWEEDS	108	Bioprospecting of tropical brown algae from the Yucatán Peninsula: Cytotoxic, antiproliferative and antiprotozoan activities Caamal-Fuentes E, Chale-Dzul J, Moo-Puc R, Freile-Pelegrin Y, Robledo D*
	109	Inhibition of Tyrosinase Activity by Extracts from Seaweeds Chung YC, Kuo JT, Huang, YH, Huang CL
	110	Effects of temperature on phytochemicals, antioxidant activity and carageenan quality from crocodile seaweed (<i>Kappaphycus alvarezii</i>) Fadzelly MAB*, Aliff MICZ, Lusia BM, Angelina LML, Burhanuridin R, Suhaimi MN
	111	Phytochemicals and antioxidant study of <i>Caulerpa lentillifera</i> Hawa SAH, Matanjun P, Suhaimi MN, Fadzelly MAB*
	112	Antioxidant properties of Malaysian seaweeds from several types of drying processes Izzreen I*, Nazaruddin R, Sjamsiah
	113	Antioxidant activities of the brown alga <i>Sargassum</i> sp. extract from various extraction methods Laily N, Sukarti I, Purwoto H
	114	Nutritional and bioactive properties of three edible species of green algae, genus <i>Caulerpa</i> (Caulerpaceae) Nagappan T*, Vairappan CS
	115	The study of antimicrobial activity of seaweeds obtained from Sabah, Malaysia Pan SY*, Gan SC, Cheong BE, Lau TY, Teoh PL, Lee PC
	116	Evaluation of selected Malaysian seaweeds for anti-diabetic properties Sharifuddin Y*, Chin YX, Green BD, Lim PE, Phang SM
	117	Production of Monascus-like pigment from <i>Laminaria japonica</i> polysaccharides using <i>Penicillium purpurogenum</i> GT11 Thiyam G, Kim HJ, Kang MS, Prasad B, Kim MS, Cho MG*
	118	Solid state fermentation of <i>Laminaria japonica</i> using a novel <i>Penicillium purpurogenum</i> GT11 for organic pigment production and its antioxidant properties Thiyam G, Kim HJ, Kang MS, Prasad B, Kim MS, Cho MG*
	119	Green intelligent materials (GIMs): developing new surfaces (containing macroalgae natural products) with anti-biofilms properties Trepas R, Hellio C*
120	Diterpene as chemotaxonomical markers and lead pharmaceutical metabolites in <i>Dictyota</i> sp. from North Borneo Island Vairappan CS, Elias UM*, Palaniveloo K	

	121	Anti-cancer activities of extracts from Baltic Sea brown seaweed: Preliminary results from the German Research Project algae against cancer Zenthoefer M*, Geisen U, Peipp M, Fuhrmann M, Ehrig K, Stüwe-Jung R, Geyer R, Genzel N, Gramatzki M, Alban S, Huber F, Kirchhöfer R, Hennig S, Kalthoff H, Piker L
INTEGRATED MULTI-TROPHIC AQUACULTURE	122	Potential of the red algae <i>Porphyra yezoensis</i> for integrated multi-trophic aquaculture: from micro-scale to meso-scale Hee KY*, Kim S, Park SR, Chung IK, Lee JB
	123	Seaweeds and shellfish offshore production through Integrated Multi-Trophic Aquaculture systems (IMTA); a socioeconomic case-study from the bay of Biscay Mendiola D*, Andrés M, Riesco S, Liria P, Gonzalez M
SEAWEED BEDS AND HARVESTING IMPACTS	124	<i>Macrocystis</i> fisheries in Atacama, Chile: harvest effects on dynamic population Westermeier R*, Murúa P, Patiño DJ, Muñoz L, Ruiz A, Müller DG
SEAWEED DIVERSITY & BIOGEOGRAPHY	125	Seaweed diversity from Bunaken National Park, Manado, Indonesia Lalamentik DJM, Gerung GS, Montolalu RI, Harahap AP
	126	Macro-benthic algal communities in Palawan, Philippines Sariego RS*, Montaña BS
ECOPHYSIOLOGY	127	Pattern of crust development and thallus formation in <i>Grateloupia asiatica</i> (Halymeniaceae, Rhodophyta) Adharini RI *, Kim J, Kim HG
	128	Intraspecific diversity of <i>Gracilaria birdiae</i> (Gracilariales, Rhodophyta): phenology and photosynthesis of three populations from the Brazilian coast Ayes-Ostroek L *, Plastino E
	129	Effects of short-term exposure to ultraviolet-B radiation on the photosynthesis and pigment content of red (wild types), greenish-brown, and green strains of <i>Gracilaria birdiae</i> (Gracilariales, Rhodophyta) Ayes-Ostroek L*, Plastino E
	130	The role of different substrates and temperatures on the physiology of <i>Kappaphycus alvarezii</i> (Rhodophyta, Gigartinales) – implication to the cultivation in Brazil Hayashi L*, Santos RG, Almeida R, Bastos EO, Barufi JB, Horta PA
	131	Effects of colchicine and oryzalin on direct regeneration process of <i>Kappaphycus alvarezii</i> (Rhodophyta, Gigartinales) Hayashi L*, Neves FAS, Simioni C, Bouzon ZL
	132	Isolation of a novel thermophilic cyanobacterial species from Neivan hot springs in Taiwan for CO₂ removal and C-phycoyanin He SY, Tasi HH, Shu HH, Chen K, Hung YM, Hwang SCJ*
	133	Abiotic factors controlling the development of microscopic stages of annual Giant Kelp (<i>Macrocystis pyrifera</i>) populations Hernández-González MC*, González-Carvajal L, Henríquez-Tejo EA, González K, Rodríguez C, Rodríguez-Maulén J, Pereda SV, Varela DA, Buschmann A

	134	Effect of attached bacteria on the growth of the red alga <i>Gracilariopsis chorda</i> (Holmes) Ohmi Kakita H*, Obika H, Kamishima H
	135	Optimization of tank culture and sea farming of <i>Grateloupia asiatica</i> Kim J*, Jeon BH, Adharini RI, Kim HG
	136	Effects of temperature, irradiance and salinity on growth of <i>Chondrus ocellatus</i> in Korea Kim YS*, Kim JH, Kim CS, Choi HG, Nam KW
	137	Can thallus color of red algae be used as an environmental indicator in shallow waters? Kobayashi M*, Fujita D
	138	Survival rate and growth rate of tissue culture seaweed <i>Gracilaria verrucosa</i> on different explants stocking density Mulyaningrum SRH*, Suryati E, Daud R
	139	Intraespecific variation in <i>Gracilaria caudata</i> (Gracilariales, Rhodophyta): growth, pigment content, and photosynthesis Plastino EM*, Araújo FO, Ursi S
	140	Establishment of calli and regeneration of <i>Kappaphycus alvarezii</i> micropropagules using artificial seawater Shahlizah SH*, Rohani AG, Isnaini SNSH, Johnny MAA, Hafzan ANMR, Saleh NM
	141	Growth rate of <i>Kappaphycus alvarezii</i> embryo and micropropagule development using seaweed extract enrichment medium by in vitro method Suryati E*, Fadilah S
	142	Radical scavenging activities of various tropical salt marsh plants from New Caledonia Le Diuron G, Poupart N, Della Patrona L, Stiger-Pouvreau V*, Poullain C, Brun P, Guérard F
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