

5/27 Sunday Afternoon

16:00-18:00	Icebreaker (Room B), visit to Nagoya University Museum	16:00-18:00	Icebreaker (Room B), visit to Nagoya University Museum
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5/28 Monday Morning

Room A (2nd Floor)		Room B (1st Floor)	
10:00-10:20	Opening Remarks, Video Message	Online video transfer from Room A	
10:20-10:50	Plenary Lecture (1) <u>Mallefet, J.</u> , Chair: P. Dubois ABYSSAL ECHINODERM'S BIOLUMINESCENCE		
10:50-11:00	Break		
11:00-11:45	Physiology (1) Chair: T. Motokawa	11:00-11:45	Echinoderm Research using High Resolution 3D Imaging and Computational Modeling Techniques (1) Chair: T. Grun and J.H. Nebelsick
11:00-11:15	<u>Tamori, M.</u> , Takehana, Y., Yamada, A. and Motokawa, T. SOFTENIN, NOVEL PROTEIN WHICH SOFTENS THE DERMIS ISOLATED FROM A SEA CUCUMBER <i>STICHOPUS CHLORONOTUS</i>	11:00-11:15	<u>Ziegler, A.</u> APPLICATION OF NON-INVASIVE IMAGING TECHNIQUES IN ECHINODERM RESEARCH: PAST, PRESENT, AND FUTURE
11:15-11:30	<u>Bonneel, M.</u> , Hennebert, E., Wattiez, R. and Flammang, P. CHARACTERIZATION OF TENSILIN-LIKE PROTEINS FROM THE BODY WALL AND CUVIERIAN TUBULES OF THE SEA CUCUMBER <i>HOLOTHURIA FORSKALI</i>	11:15-11:30	<u>Fujiwara, S.-I.</u> DETECTING THE FORELIMB POSTURE OF EXTINCT TERRESTRIAL VERTEBRATE TAXA USING THE 3D MUSCULO-SKELETAL MODELS
11:30-11:45	<u>Claereboudt, E.</u> , Eeckhaut, I., Lins, L. and Deleu, M. HOW DIFFERENT STEROLS CONTRIBUTE TO SAPONIN TOLERANTE PLASMA MEMBRANES IN SEA CUCUMBERS	11:30-11:45	<u>Stöhr, S.</u> , Clark, E.G., Thuy, B. and Darroch, S.A.F. 3D IMAGING AND MORPHOMETRICS OF BRITTLE STARS FOR PHYLOGENY AND FUNCTIONAL MORPHOLOGY
11:45-13:15	Lunch Break	11:45-13:15	Lunch Break

5/28 Monday Afternoon

13:15-14:15	Physiology (2) Chair: M. Bonneel	13:15-14:15	Echinoderm Research using High Resolution 3D Imaging and Computational Modeling Techniques (2) Chair: T. Grun and J.H. Nebelsick
13:15-13:30	<u>Lengerer, B.</u> , Algrain, M., Hennebert, E. and Flammang, P. TEMPORARY ADHESION IN THE SEA STAR <i>ASTERINA GIBBOSA</i>	13:15-13:30	<u>Clark, E.</u> , Fezzaa, K., Burke, J.E., Racicot, R.A., Shaw, J.O. and Briggs, D.E.G. MECHANISM OF BRITTLE STAR AUTOTOMY REVEALED THROUGH IN VIVO SYNCHROTRON IMAGING

13:30-13:45	<u>Dubois, P.</u> , Agüera, A., Ameziane, N., Collard, M., Danis, B., David, B., Dehairs, F., De Ridder, C., Di Giglio, S., Eléaume, M., Féra, J.-P., Fournier, J., Gallut, C., Gonthier-Maurin, M., Jane, P., Marschal, C., Michel, L., Motreuil, S., Pasotti, F., Sahade, R., Saucède, T. and Vanreusel, A.	ACID-BASE PHYSIOLOGY OF ANTARCTIC AND SUBANTARCTIC SEA URCHINS AND THEIR RESILIENCE TO OCEAN ACIDIFICATION	13:30-13:45	<u>Saulsbury, J.</u>	BODY SIZE, ALLOMETRY, AND AN UNEXPLORED MODE OF RESPIRATION IN CRINOIDS
13:45-14:00	Break		13:45-14:00	<u>Polonkai, B.</u> , Huszár, D., Raveloson, A., Görög Á., Bodor, E. R. and Székely, B.	SEARCHING FOR DESCRIPTIVE MORPHOMETRIC PARAMETERS OF ECHINOIDS USING 3-D PHOTOGRAMMETRIC MODELLING
14:00-15:15	Ecology (1) Chair: T. Saucède		14:00-14:15	<u>Grun, T.B.</u> and Nebelsick, J.H.	COMPUTATIONAL ANALYTICS: EXPLORING THE STRUCTURAL TEST DESIGN OF <i>ECHINOCYAMUS PUSILLUS</i>
14:00-14:15	<u>Hiruta, S.F.</u> , Kondo, Y., Nishikawa, J., Yusoff, F.Md., Metillo, E. B., Pagliawan, H., Srinui, K., Ohtsuka, S. and Fujita, T.	POPULATION STRUCTURE OF THE "HITCHHIKE" OPHIUROID, <i>OPHIOCNEMIS MARMORATA</i> , ASSOCIATED WITH JELLYFISH	14:15-14:30	Break	
14:15-14:30	<u>Uthicke, S.</u> , Doyle, J. and Miles Lamare	USING EDNA METHODS TO INVESTIGATE CROWN OF THORNS SEA STAR (<i>ACANTHASTER CF. SOLARIS</i>) OUTBREAKS ON THE GREAT BARRIER REEF, AUSTRALIA	14:30-15:30	Reproduction and Development (1) Chair: F. Sodeyama	
14:30-14:45	<u>Ebert, T.</u> , Hernández, J. and Clemente, S.	PROBLEMS WITH ESTIMATING SURVIVAL IN ECHINODERM POPULATIONS	14:30-14:45	<u>Berecoechea J.J.</u> , Penchaszadeh P.E. and Brogger M.I.	HERMAPHRODITISM AND BROODING IN BRITTLE STARS FROM DEEP WATERS OF SOUTH WESTERN ATLANTIC OCEAN
14:45-15:00	<u>Kano, T.</u> , Kanauchi, D., Aonuma, H. and Ishiguro, A.	DECENTRALIZED CONTROL MECHANISM UNDERLYING INTER- AND INTRA- ARM COORDINATION IN BRITTLE STAR'S LOCOMOTION	14:45-15:00	<u>Byrne, M.</u> , Foo, S.F., Deaker, D. and Gambi, M.C.	THE CONTRIBUTION OF THE EGG JELLY COAT TO TARGET SIZE FOR SPERM - SENSITIVITY AND RESILIENCE TO OCEAN ACIDIFICATION
15:00-15:15	<u>Motokawa, T.</u> and Yoshimura, K.	MEMORY OF WALK DIRECTION IN THE REGULAR SEA URCHIN <i>HEMICENTROTUS PULCHERRIMUS</i>	15:00-15:15	<u>Fau, M.</u> , and Villier, L.	POST-METAMORPHIC ONTOGENY OF <i>ZOROASTER FULGENS</i> THOMSON 1873 (FORCIPULATACEA, ASTEROIDEA)
15:15-15:30	Break		15:15-15:30	<u>Feng, W.P.</u> , Nakabayashi, N., Inomata, E., Aoki, M.N. and Agatsuma, Y.	REPRODUCTION OF THE SEA URCHIN <i>HELIODIDARIS CRASSISPINA</i> IN A NEWLY EXTENDED HABITAT ALONG THE OGA PENINSULA, NORTHEASTERN JAPAN
15:30-17:00	Ecology (2) Chair: T. Ebert		15:30-15:45	Break	
15:30-15:45	<u>Espinel-Velasco, N.</u> , Uthicke, S. and <u>Lamare, M.</u>	SETTLEMENT OF ECHINODERM LARVAE UNDER OCEAN ACIDIFICATION	15:45-17:00	Reproduction and Development (2) Chair: D. Janies	
15:45-16:00	<u>Hernández, C.</u> , Epherra, L., Alfonso, B., González-Delgado, S. and Hernández, J. C.	CHARACTERIZATION OF A CO ₂ VENT IN LA PALMA (CANARY ISLANDS) AND ITS EFFECTS ON THE CALCIFIED STRUCTURES OF <i>ARBACIA LIXULA</i>	15:45-16:00	<u>Glockner-Fagetti, A.</u> and Phillips, N.	MULTIPLE STRESSORS ON EARLY LIFE STAGES OF <i>EVECHINUS CHLOROTICUS</i> AND CARRY-OVER EFFECTS ON LARVAL SETTLEMENT AND GROWTH
16:00-16:15	<u>Alfonso, B.</u> , Hernández, J.C. and Dupont, S.	DESPERATE ECHINODERM LARVAE UNDER OCEAN ACIDIFICATION	16:00-16:15	<u>Herrero-Perézrul, M. D.</u> , Vives, A., Ceballos-Vázquez, B. P. and Rubilar, T.	CHARACTERIZATION OF THE GONAD QUALITY OF <i>TRIPNEUSTES DEPRESSUS</i> (ECHINOIDEA) IN BAHÍA DE LA PAZ, B.C.S., MEXICO
16:15-16:30	Frost, E.J., and <u>Sewell, M.A.</u>	IMPACT OF LONG-TERM NEAR FUTURE OCEAN ACIDIFICATION ON THE PHYSIOLOGY OF ADULT <i>EVECHINUS CHLOROTICUS</i>	16:15-16:30	<u>Keesing, J.K.</u>	REPRODUCTION, GROWTH AND MORTALITY OF <i>ARCHASTER ANGULATUS</i> INCLUDING UNUSUAL SYNCHRONOUS PSEUDOCOPULATIVE SPAWNING BEHAVIOUR

16:30-16:45	<u>González-Delgado, S.</u> , Hernández, J.C., Wangenstein, O., Alfonso, B., Hernández, C. and Soto, A.	CHANGES IN ECHINODERM POPULATIONS DUE TO A NATURAL CO ₂ GRADIENT	16:30-16:45	<u>Khan, M.S.R.</u> , Whittington C.M., Thompson M.B., and Byrne M.	THE BROODING BIOLOGY IN THREE VIVIPAROUS ASTERINID SEA STARS WITH CONTRASTING INTRAGONADAL OFFSPRING PROVISIONING
16:45-17:00	<u>Claereboudt, M.R.</u>	<i>TOXOPNEUSTES PILEOLUS</i> MINIMIZES ITS EXPOSURE TO LIGHT THROUGH COVERING BEHAVIOR	16:45-17:00	<u>Nievaes, M.F.J.</u> , Genisan, A., Dejuan, F., Madarcos, N.R. and Madas, C.	REPRODUCTIVE BIOLOGY AND EARLY DEVELOPMENT OF THE DENDROCHRIOTID BALL SEA CUCUMBER, <i>PHYLLOPHORUS PROTEUS</i> , IN WESTERN VISAYAS CENTRAL PHILIPPINES

5/29 Tuesday Morning

9:00-9:30	Plenary Lecture (2) Chris Mah, Chair: T. Fujita	ASTEROID SYSTEMATICS IN THE 21 ST CENTURY: NEW QUESTIONS, PHYLOGENY, TAXONOMY & NATURAL HISTORY	9:00-9:30	Online video transfer from Room A	
9:30-9:45	Break		9:30-9:45	Break	
9:45-11:45	Systematics & Evolution (1) Chair: T.D. O'Hara		9:45-11:45	Aquaculture & Fisheries (1) Chair: M.A. Junio-Meñez	
9:45-10:00	<u>Arai, M.</u> and Fujita, T.	REVISION OF OPHIDIASTERIDAE (ASTEROIDEA: VALVATIDA) BASED ON MORPHOLOGY AND MOLECULAR PHYLOGENY	9:45-10:00	<u>Takagi, S.</u> , Murata, Y., Inomata, E., Aoki, M.N. and Agatsuma, Y.	GONAD QUALITIES OF THE SEA URCHIN <i>MESOCENTROTUS NUDUS</i> FED ON SPOROPHYLL AND MIDRIB OF THE KELP <i>UNDARIA PINNATIFIDA</i>
10:00-10:15	Chichvarikhin, A. and Chichvarikhina, O.	ADDITIONS TO THE KNOWLEDGE ON HENRICIA SEASTARS FROM THE NORTHERN PACIFIC	10:00-10:15	<u>Unuma, T.</u> , Onitsuka, T. and Ito, S.	PARBOILING MACROALGAE BEFORE STORAGE IMPROVES THEIR FOOD VALUE FOR SEA URCHIN AQUACULTURE
10:15-10:30	Kogure, Y. and Omori, A.	OREASTERID SEA STARS FROM JAPAN WITH REFERENCE TO THE TAXONOMIC STATUS OF BOTHRIASTER PRIMIGENIUS DÖDERLEIN, 1916	10:15-10:30	<u>Domínguez-Godino, J.A.</u> , Cruz, J. M.G., and González-Wangüemert, M.	<i>HOLOTHURIA MAMMATA</i> : A NEW EMERGENT SPECIES FOR SEA CUCUMBER AQUACULTURE IN NORTH-EASTERN ATLANTIC AND MEDITERRANEAN SEA
10:30-10:45	Break		10:30-10:45	<u>Yang, H.</u> , Zhang, T., Zhang, L., Sun, L. and Lin, C.	BIOLOGICAL CHARACTERISTICS AND AQUACULTURE OF SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i>
10:45-11:45	Systematics & Evolution (2) Chair: M. Chen		10:45-11:45	Aquaculture & Fisheries (2) Chair: Y. Agatsuma	
10:45-11:00	<u>Setiamarga, D.H.E.</u> , Kamito, Y., Shiba, R., Arai, M., Fujita, T. and Mah C.L.	PARTIAL SEQUENCES OF THE MITOCHONDRIAL COI AND 12S GENES INDICATE THAT <i>CERAMASTER JAPONICUS</i> AND <i>CERAMASTER PATAGONICUS</i> FROM THE SEAS AROUND JAPAN ARE OF THE SAME SPECIES	10:45-11:00	<u>Junio-Meñez, M.A.</u> , Gorospe, J.C., Soy, R.C., Rioja, R. and Lambio, K.A.F.	INDICATIONS OF CONSPECIFIC PASSIVE INTERFERENCE IN <i>STICHOPUS HORRENS</i>
11:00-11:15	<u>Okanishi, M.</u> , Sentoku, A., Martynov, A. and Fujita, T.	MOLECULAR PHYLOGEOGRAPHY OF <i>ASTERONYX LOVENI</i> SPECIES COMPLEX	11:00-11:15	<u>Rioja, R.A.</u> , Palomar-Abesamis, N. and Juino-Meñez, M.A.	EVALUATING THE DIRECT AND INDIRECT EFFECTS OF LIGHT ON <i>STICHOPUS CF. HORRENS</i> ' BEHAVIOR, GROWTH AND SURVIVAL
11:15-11:30	<u>Granja-Fernández, R.</u> , López-Pérez, A., Solís-Marín, F.A., Calderón-Aguilera, L.E. and Herrero-Pérezrul, M.D.	A TAXONOMIC REVISION OF OPHIUROIDS OF THE EASTERN TROPICAL PACIFIC BY RE-EXAMINATION OF TYPE MATERIAL	11:15-11:30	<u>Sakai, Y.</u> , Honke, K., Mori, N., Michibayashi, N., Sato, N. and Kanno, M.	STOCK ENHANCEMENT OF THE SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i> BY RELEASE OF THE POST-SETTLED JUVENILES IN HOKKAIDO, JAPAN

11:30-11:45	<u>Parameswaran, U.V.</u> , Abdul Jaleel K. U., Aiswarya Gopal, N. Saravanane and M. Sudhakar	DIVERSITY AND BIOGEOGRAPHY OF OPHIUROIDEA IN THE INDIAN WATERS	11:30-11:45	<u>Sinsona, M.J.</u> and Juinio-Meñez A.J.M.	EFFECTS OF FOOD ABUNDANCE ON THE DIEL BURYING BEHAVIOR, GROWTH, AND SURVIVAL OF JUVENILE <i>HOLOTHURIA SCABRA</i>
11:45-13:15	Lunch Break		11:45-13:15	Lunch Break	

5/29 Tuesday Afternoon

13:15-14:00	Poster Session (1) (Corridor)		13:15-14:00	Poster Session (1) (Corridor)	
14:00-15:00	Systematics & Evolution (3) Chair: K. Kanazawa		14:00-15:30	Aquaculture & Fisheries (3) Chair: T. Unuma	
14:00-14:15	<u>Omori, A.</u> , Tsurugaya, T. and Kohtsuka, H.	ARE THE COLOR PATTERNS OF A FEATHER STAR <i>ANNEISSIA JAPONICA</i> INHERITABLE?	14:00-14:15	<u>Dissanayake, D.C.T.</u>	AN ATTEMPT TO CONSERVE THE HIGHLY DEPLETED HOLOTHURIA FUSCOGILVA IN THE NORTHWEST COAST OF SRI LANKA
14:15-14:30	<u>Ziegler, A.</u>	UNEXPECTED DIVERSITY OF SPATANGOID HINDGUT STRUCTURES	14:15-14:30	<u>Dodangodage, P.K.</u>	A HIGH RISK SMALL-SCALE MARINE FISHERY IN THE COASTAL LIVELIHOODS OF NORTHERN SRI LANKA
14:30-14:45	<u>Ali, M.S.</u>	THE ECHINOID GENUS <i>CLYPEASTER</i> LAMARCK, 1801 (ECHINODEA, CLYPEASTROIDA) FROM THE MIOCENE OF MERSA MATRUH, THE WESTERN DESERT, EGYPT	14:30-14:45	<u>González-Wangüemert, M.</u> , Díaz-suárez, A., <u>Dominguez-godino, J. A.</u> and Cánovas, F.	MOLECULAR TOOLS TO ASSESS THE STOCKS OF HOLOTHURIA ARGUINENSIS AND IMPLICATIONS FOR ITS MANAGEMENT
14:45-15:00	<u>Kroh, A.</u> , Bronstein, O. and Hahn, C.	CAMARODONT PHYLOGENY REVISITED – FIRST RESULT FROM THE EDIBLE SEA URCHINS PROJECT	14:45-15:00	<u>Lizano, A.M.D.</u> , Juinio-Meñez, M.A. and <u>Ravago-Gotanco, R.</u>	LIMITED GENETIC CONNECTIVITY OF STICHOPUS CF. HORRENS ACROSS THE WESTERN PHILIPPINES REVEALED BY MICROSATELLITE MARKERS
15:00-15:15	Break		15:00-15:15	Break	
15:15-16:30	Paleontology (1) Chair: J.-P. Lin		15:15-16:30	Reproduction & Development (3) Chair: J.K. Keesing	
15:15-15:30	<u>Nohejlova, M.</u> , Nardin, E., Lefebvre, B., <u>Vaucher, R.</u> , Vaccari, N.E., Muñoz, D.F. and <u>Waisfeld, B.G.</u>	A NEW ECHINODERM FAUNA FROM THE EARLY TREMADOCIAN (LOWER ORDOVICIAN) OF JUJUY PROVINCE, ARGENTINA	15:15-15:30	<u>Rivadeneira, P.</u> , Brogger, M. and <u>Penchaszadeh, P.</u>	A BROODING ASTERIIDAE FROM SOUTH WESTERN ATLANTIC SEA
15:30-15:45	<u>Saleh, F.</u> , Lefebvre, B. and Nohejlova, M.	EXCEPTIONALLY PRESERVED SOFT PARTS IN ECHINODERMS FROM THE FEZOUATA LAGERST ÄTTE (LOWER ORDOVICIAN, MOROCCO)	15:30-15:45	<u>Yamakawa, S.</u> , Morino, Y, Honda, M. and <u>Wada, H.</u>	THE ROLE OF RETINOIC ACID SIGNALING IN STARFISH METAMORPHOSIS
15:45-16:00	<u>Gillet, E.</u> , <u>Lefebvre, B.</u> , Gardien, V., Steimetz, <u>E., Durllet, C.</u> and Marin, F.	REEVALUATION OF THE ENIGMATIC ORDOVICIAN GENUS <i>BOLBOPORITES</i>	15:45-16:00	<u>Sodeyama, F.</u> and Kohtsuka, H.	LIFE HISTORY OF SMALL FEATHER STAR <i>ANTEDON</i> <i>SERRATA</i>
16:00-16:15	<u>Ewin, T.A.M.</u> , Martin, M. and Zamora, S.	NEW RHENOPYRGID EDRIOASTEROIDS AND THEIR IMPLICATIONS FOR TAXONOMY, FUNCTIONAL MORPHOLOGY AND PALAEOECOLOGY	16:00-16:15	<u>Janies, D.</u> , Hernández-Díaz, Y.Q., Solis <u>Marin, F.</u> , Lopez, K., Galac., M., Bosch, I., <u>Alexandrov, B.</u> , Herrera, J. and Fletcher, J.	CLONING STARFISH LARVAE AND THE DISCOVERY OF THE ADULT IN THE LIFE CYCLE BY VIRTUE OF COLLABORATION IN THE ECHINODERM COMMUNITY
16:15-16:30	<u>Rozhnov, S.V.</u>	SOLUTANS: BETWEEN TORSION AND PENTARADIALITY	16:15-16:30	<u>Wu, F.</u> , Huang, W., Xu, X., Zeng, J. and Liu, Q.	ECOTOXICITY EFFECTS OF MICROPLASTIC TO THE EARLY LIFE STAGES OF LARGE YELLOW CROAKER

5/30 Wednesday Morning & Afternoon

8:30	Field Trip 1 and Banquet (Three buses come in front of the Nagoya University Museum)	8:30	Field Trip 1 and Banquet (Three buses come in front of the Nagoya University Museum)
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5/31 Thursday Morning

9:00-9:30	Plenary Lecture (3) <u>H. Wada</u> , Chair: Girich, A.S.	EVOLUTION OF THE ECHINOID LARVAL SKELETON	9:00-9:30	Satellite video transfer from Room A	
9:30-9:45	Break				
9:45-10:15	Molecular Biology Chair: D.H.E. Setiamarga		9:45-11:30	Ecology (3) Chair: J.C. Hernández	
9:45-10:00	<u>Yamazaki, A.</u> , Morino, Y. and Wada, H.	EVOLUTION OF LARVAL SKELETOGENIC MECHANISM: DEVELOPMENTAL SYSTEM DRIFT IN ECHINODERM	9:45-10:00	<u>Lin, C.</u> , Yang, H., Zhang, L., Sun, L. and Zhang, T.	INFLUENCE OF VIBRATION CAUSED BY SOUND ON MIGRATION OF SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i>
10:00-10:15	<u>Girich, A.S.</u> and Dolmatov I.Y.	FRIZZLED GENES EXPRESSION PATTERNS DURING REGENERATION OF INTERNAL ORGANS IN <i>EUPENTACTA FRAUDATRIX</i>	10:00-10:15	<u>Kitazawa, K.</u> , and Oji, T.	PARTICLE SELECTION AND CHEMICAL SENSING BY THE SEA LILY <i>METACRINUS ROTUNDUS</i>
10:15-10:30	<u>Kim, K.M.</u> , Lizano, A.M.D. and Ravago-Gotanco, R.	CRYPTIC GENETIC DIVERSITY IN <i>STICHOPUS</i> CF. <i>HORRENS</i> : REPRODUCTIVE ISOLATION REVEALED BY MICROSATELLITE AND SNP MARKERS	10:15-10:30	<u>Zhang, L.</u> , Pan, Y., Sun, J., Ru, X., Zhang, T. and Yang, H.	LOCOMOTION AND FEEDING BEHAVIOR OF SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i>
10:30-10:45	<u>Ordoñez, J.F.F.</u> , Galindez, G.S.T. and Ravago-Gotanco R.	TRANSCRIPTOMIC RESOURCES FOR <i>HOLOTHURIA SCABRA</i> : IDENTIFICATION OF GROWTH-RELATED GENES H AND ANCESTRY-INFORMATIVE SNP MARKER DEVELOPMENT	10:30-11:30	Ecology (4) Chair: F.A. Solís-Marín	
10:45-11:00	<u>Sun, L.</u> , Yang, H., Zhang, L., Lin, C. and Zhang, T.	THE SEA CUCUMBER GENOME PROVIDES INSIGHTS INTO MORPHOLOGICAL EVOLUTION AND VISCERAL REGENERATION	10:30-10:45	<u>Russet, M.P.</u> , Stark, A., Narváez, C. A. and Padovani, A.	TUBEFEET ADHESIVE PERFORMANCE AND REGENERATION IN THE PURPLE SEA URCHIN, <i>STRONGYLOCENTROTUS PURPURATUS</i>
10:45-11:00	Systematics & Evolution (4) Chair: M. Reich		10:45-11:00	<u>Wakita, D.</u> , Hayase, Y. and Aonuma, H.	RHYTHMIC MOVEMENT OF THE DISK IN THE GREEN BRITTLE STAR <i>OPHIARACHNA INCRASSATA</i>
11:00-11:15	<u>Woo, S.P.</u> , Kajihara, H., Byrne, M., Tan, S.H., Zulfigar, Y., Yeemin, T., Suttacheep, M. and Fujita, T.	A SYSTEMATIC REVISION ON SEA CUCUMBERS OF THE FAMILY STICHOPODIDAE USING TWO MOLECULAR MARKERS	11:00-11:15	<u>Saucède, T.</u> , Fabri-Ruiz, S.2, Guillaumot, C.2 and Danis, B.	MODELING SPECIES DISTRIBUTION IN RESPONSE TO PAST AND FUTURE CLIMATE CHANGES: THE ANTARCTIC ECHINOID CASE STUDY
11:15-11:30	<u>Ogawa, A.</u> and Fujita, T.	TAXONOMIC REVISION OF GENUS <i>PANNYCHIA</i> (HOLOTHUROIDEA, ELASIPODIDA, LAETMOGONIDAE) FROM JAPANESE WATERS	11:15-11:30	<u>Ishikawa, T.</u> and Kurashima, A.	DISTRIBUTION OF THREE DIADEMA SPECIES WITH DIFFERING LOW TEMPERATURE TOLERANCE ON THE KII PENINSULA, JAPAN
11:30-11:45	<u>Mezali, K.</u> and Mansouri, T.	TAXONOMIC STATUS OF SOME ALGERIAN SHALLOW-WATER SEA CUCUMBER SPECIES (HOLOTHUROIDEA: ECHINODERMATA) DEDUCED FROM MORPHOLOGY AND MITOCHONDRIAL DNA SEQUENCES			
11:30-13:15	Break		11:30-13:15	Break	

5/31 Thursday Afternoon

13:15-14:30	Systematics & Evolution (5) Chair: A. Omori		13:15-14:45	"Treatise" Workshop (1) Chair: B. Thuy	
13:15-13:30	<u>Mongiardino Koch, H.</u> , Coppard, S. E., Lessios, H. A., Briggs, D. E. G., Mooi, R. and Rouse, G. W.	A PHYLOGENOMIC APPROACH TO RESOLVING THE SEA URCHIN TREE OF LIFE	13:15-13:45	Keynote Speach (1) <u>Selden, P.A.</u>	THE TREATISE ON INVERTEBRATE PALEONTOLOGY: THE ECHINODERMATA VOLUMES
13:30-13:45	<u>Bronstein, O.</u> and Kroh, A.	ECHINOMICS – INSIGHTS INTO ECHINOID PHYLOGENOMICS BASED ON COMPLETE MITOCHONDRIAL GENOMES	13:45-14:00	<u>Sumrall, C.D.</u>	NEW INSIGHTS INTO THE PHYLOGENY OF EDRIOASTEROID ECHINODERMS
13:45-14:00	<u>Wakayama, N.</u> , <u>Matsumoto, N.</u> , <u>Kiyono, Y.</u> , <u>Saitoh, M.</u> and <u>Kanazawa, K.</u>	A PROJECT TO SUMMARIZE THE WEST PACIFIC ECHINOIDS: ISSUES IN MOLECULAR PHYLOGENETIC ANALYSIS OF SEA URCHINS	14:00-14:15	<u>Lefebvre, B.</u> and <u>Zamora, S.</u>	HOMALOZOANS: WHAT'S NEW SINCE 1968? A BRIEF OVERVIEW OF 50 YEARS OF RESEARCH ON 'CARPOIDS'
14:00-14:15	<u>Kanazawa, K.</u> , <u>Saitoh, M.</u> , <u>Wakayama, N.</u> , <u>Obuchi, M.</u> , <u>Nakachi, S.</u> and <u>Kroh, A.</u>	A PROJECT TO SUMMARIZE THE WEST PACIFIC ECHINOIDS	14:15-14:30	<u>Sumrall, C.D.</u>	TOWARDS A PHYLETIC CLASSIFICATION FOR DERIVED STEMMED ECHINODERMS
14:15-14:30	Break		14:30-14:45	<u>Waters, J.A.</u> , and <u>Bauer, J.E.</u>	THE BLASTOIDEA: A SYSTEMATIC ASSESSMENT
14:30-15:45	Ecology (4) Chair: A. Stevenson		14:45-15:30	Discussion, Break	
14:30-14:45	<u>Azofeifa-Solano, J.C.</u> , <u>Sibaja-Cordero, J.A.</u> , <u>Alvarado, J.J.</u> , <u>Mena, S.</u> , <u>Cascante, J.</u> , <u>González-Suárez, D.</u> and <u>Wehrtmann, I.S.</u>	PREY SELECTION AND DIET OVERLAP OF SYMPATRIC PREDATORY SEA STARS ON AN ESTUARINE-INFLUENCED TROPICAL SOFT-BOTTOM	15:30-17:30	"Treatise" Workshop (2) Chair: C.D. Sumrall	
14:45-15:00	<u>Le Bourg, B.</u> , <u>Blanchard, A.</u> , <u>Danis, B.</u> , <u>Jossart, Q.</u> , <u>Lepoint, G.</u> , <u>Moreau, C.</u> and <u>Michel, L.N.</u>	FEEDING ECOLOGY OF SEA STARS OF THE SOUTHERN OCEAN: POSSIBLE INFLUENCE OF SEA ICE ON TROPHIC NICHE PARTITIONING	15:30-16:00	Keynote Speach (2) <u>Ausich, W.I.</u>	TREATISE ON INVERTEBRATE PALEONTOLOGY, PART T, ECHINODERMATA 2, REVISED, CRINOIDEA – WHAT DO YOU WANT TO CONTRIBUTE?
15:00-15:15	<u>Gehman, A.-L.M.</u> , and <u>Pontier, O.</u>	PROGRESSION OF SEASTAR WASTING DISEASE OUTBREAK IN CENTRAL BRITISH COLUMBIA, CANADA	16:00-16:15	<u>Reich, M.</u> , and <u>Paulay, G.</u>	RECENT ADVANCES IN UNDERSTANDING HIGHER-LEVEL SEA CUCUMBER RELATIONSHIPS AND CLASSIFICATION
15:15-15:30	<u>Hernández, J.C.</u> , <u>Alfonso, B.</u> , <u>Guzmán-Mora, A. G.</u> and <u>Alvarado, J. J.</u>	PREDATORS OF THE SEA URCHIN <i>DIADEMA MEXICANUM</i> AT THE NATIONAL PARK - ISLA DEL COCO, COSTA RICA	16:15-16:30	<u>Reich, M.</u>	FIVE DECADES OF OPHIOCISTOID PALAEONTOLOGY SINCE THE TREATISE ON INVERTEBRATE PALEONTOLOGY: WHAT HAVE WE LEARNED?
15:30-15:45	<u>Hernández-Morales, A.</u> , <u>Herrero-Pérezrul, M. D.</u> , <u>Paz-García, D. A.</u> and <u>Granja-Fernández, R.</u>	THE CROWN-OF-THORNS (<i>ACANTHASTER PLANCI</i>) SHALL NOT LIVE ON CORAL ALONE	16:30-16:45	<u>Thuy, B.</u>	OPHIUROIDS IN THE FOSSIL RECORD: FROM A 'NUISANCE' TO A MODEL ORGANISM
15:45-16:00	Break		16:45-17:00	<u>Saucède, T.</u> and <u>Kroh, A.</u>	ECHINOIDEA – CLASSIFICATION AND SYSTEMATICS CURRENT STATUS AND PERSPECTIVES FOR THE FUTURE
16:00-17:00	Ecology (5) Chair: T. Oji		17:00-17:15	<u>Fau, M.</u> and <u>Villier, L.</u>	TOWARD AN INTEGRATIVE APPROACH OF ASTEROID SYSTEMATICS
16:00-16:15	<u>Veitch, M.A.</u> , <u>Messing, C. G.</u> and <u>Baumiller, T.K.</u>	TIME HEALS ALL WOUNDS: WHAT REGENERATION REVEALS ABOUT PREDATION IN BATHYAL STALKED CRINOIDS	17:15-17:45	Discussion	
16:15-16:30	<u>Stevenson, A.</u> , <u>Veitch, M.</u> , <u>Harley, C.D.G.</u> and <u>Baumiller, T.K.</u>	TEMPERATURE AFFECTS INTRASPECIFIC COMATULID REGENERATION RATES, BUT FAILS TO EXPLAIN INTERSPECIFIC DIFFERENCES			
16:30-16:45	<u>Takatani, K.</u> , <u>Nakano, H.</u> and <u>Kondo, M.</u>	RE-ESTABLISHMENT OF THE ANTEROPOSTERIOR AXIS IN REGENERATING INTESTINES OF A SEA CUCUMBER <i>APOSTICHOPUS JAPONICUS</i>			

16:45-17:00	<u>Thilakarathna, R.M.G.N.</u> , Van Keulen, M. and Keesing, J.K.	STATUS OF THE SEA URCHIN <i>CENTROSTEPHANUS TENUISPINUS</i> ; CORAL DOMINATED REEF VS MACROALGAE DOMINATED REEF ON THE WEST COAST OF AUSTRALIA
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6/1 Friday Morning

9:30-11:45	Paleontology (2) Chair: S.V. Rozhnov		9:30-11:00	Biogeography Chair: M. Okanishi	
9:30-9:45	<u>Thompson, J.R.</u> , and Bottjer, D.J.	THE PHYLOGENY OF STEM GROUP ECHINOIDS	9:30-9:45	<u>Thandar, A.S.</u>	THE SOUTHERN AFRICAN HOLOTHUROID FAUNA: A SYNOPSIS
9:45-10:00	<u>Mirantsev, G.V.</u>	THE DISCOVERY OF ECHINOID ACCUMULATION IN THE UPPER FRANSIAN OF THE RUSSIAN PLATFORM	9:45-10:00	<u>Féral, J-P.</u> , Poulin, E., De Ridder, C. and Saucedo, T.	A FIELD GUIDE TO COASTAL ECHINODERMS OF THE KERGUELEN ISLANDS
10:00-10:15	<u>Tyler, C.L.</u> , Petsios, E., Portell, W. R. and Kowalewski, M.	APPLICATIONS OF THE ECHINOID-ASSOCIATED TRACES DATABASE: CRETACEOUS TO MODERN DRILLING PREDATION AND PARASITISM	10:00-10:15	<u>Alvarado, J.J.</u> , Mena-González, S. and Guzmán-Mora, A.G.	ECHINODERM DIVERSITY AND DISTRIBUTION ALONG THE PACIFIC COAST OF COSTA RICA
10:15-10:30	<u>Nebelsick, J.H.</u> , and Mancosu, A.	RECONSTRUCTING THE PAST: PALEOECOLOGY AND TAPHONOMY OF MIOCENE ECHINOID ASSEMBLAGES FROM SARDINIA	10:15-10:30	<u>Caballero-Ochoa, A.A.</u> , Solís-Marín, F.A. and Conejeros-Vargas, C.A.	DISTRIBUTION AND BATHYMETRIC COMPARISON OF THE ECHINOIDS (ECHINOIDEA: ECHINODERMATA) FROM THE EASTERN PACIFIC
	Paleontology (3) Chair: J.H. Nebelsick		10:30-10:45	<u>Markello, K.M.</u> and Mooi, R.	HOOKED ON FEATHER STARS: EXPLORING MOLECULAR AND MORPHOLOGICAL DIVERSITY IN PHILIPPINE COMATULIDS
10:30-10:45	<u>Lin, J.-P.</u> , Lee, H., Chang, L. Y., Lee, K.S., Lee, S.J. and Chen, W. J.	PHYLOGENY OF CLYPEATEROIDA BASED ON NEW MOLECULAR RECORDS OF TAIWANESE SPECIES	10:45-11:00	<u>O'Hara, T.D.</u> and Hugall, A.F.	THE HIGH ROAD AND THE LOW ROAD: MULTIPLE PROCESSES LEAD TO LATITUDINAL DIVERSITY GRADIENTS ACROSS THE SEAFLOOR
10:45-11:00	<u>Zamora, S.</u> , Veitch, M., Saulsbury, J., Ferratges, F. A., Aurell, M., Arz J. A. and Baumiller, T. K.	PRELIMINARY REPORT ON POST-PALAEOZOIC CRINOIDS FROM THE IBERIAN AND SOUTH-PYRENEAN BASINS (NE SPAIN)			
11:00-11:15	<u>Brom, K.</u> , Oguri, K., Oji, T., Salamon, M. and Gorzelak, P.	EXPERIMENTAL NEOICHOLOGY OF CRAWLING STALKED CRINOIDS			
11:15-11:30	<u>Kato, M.</u> , Oji, T., Shirai, K., Tanaka, K., Higuchi, T. and Unuma, T.	UTILITY OF STABLE CARBON ISOTOPE RATIOS FOR UNDERSTANDING BETWEEN ECHINODERMS AND COLD SEEP ENVIRONMENTS			
11:30-11:45	<u>Gorzelak, P.</u> , Kofbuk, D., Stolarski, J., M'Zoudi, S., Di Giglio, S. and Dubois, Ph.	EXPLORING THE CONTROLS ON THE SKELETAL MG/CA RATIO IN ECHINODERMS: CURRENT DEVELOPMENTS AND FUTURE PERSPECTIVES			
11:45-13:15	Lunch Break		11:45-13:15	Lunch Break	

6/1 Friday Afternoon

13:15-14:00	Poster Session (2) (Corridor)	13:15-14:00	Poster Session (2) (Corridor)
14:00-15:00	Final Assembly		

6/2 Saturday Morning

9:00	Field Trip 2 To Mizunami Fossil Museum (A small bus comes in front of the Nagoya University Museum)
11:00	Field Trip 3 To Misaki Marine Biological Station (Tour starts at the "Silver Clock", near the Shinkansen Entry, JR Nagoya Station)

Poster Session (1) (5/29, 13:15-14:00, Corridor, 1st Floor)

Physiology

1	Zavalnaia, E.G., Petrova, I. Yu., Eliseikina, M.G., Girich, A.S. and Dolmatov, I.Yu.	VASA AND PIWI-LIKE PROTEINS IN THE TISSUES OF THE <i>HOLOTHURIAN EUPENTACTA FRAUDATRIX</i> (DENDRICHIROTA, HOLOTHUROIDEA)
2	Ukai, K. and Namikoshi, M.	IDENTIFICATION OF AUTOTOMY-PROMOTING FACTOR FROM A JAPANESE SEA STAR <i>ASTERIAS AMURENSIS</i> AND MECHANISM OF AUTOTOMY
3	Zhang, T., Ding, K., Zhang, L. and Yang, H.	THE EFFECT OF MELATONIN ON LOCOMOTOR BEHAVIOR AND MUSCLE PHYSIOLOGY IN SEA CUCUMBER
4	Kitazawa, C. and Yamanaka, A.	AUTOFLUORESCENCE IN SEA URCHIN LARVAE OF <i>TEMNOPLEURUS HARDWICKII</i>
5	Bonneel, M., Hennebert, E., Demeuldre, M., Wattiez, R. and Flammang, P	ADHESION OF SEA CUCUMBER CUVIERIAN TUBULES: IDENTIFICATION AND CHARACTERIZATION OF ADHESIVE PROTEINS
6	Mezali, K. and Soualili, D.L.	SEASONAL VARIATION AND HEMOLYTIC ACTIVITY OF THE GONADAL SAPONINS OF <i>ECHINASTER SEPOSITUS</i> (ECHINODERMATA: ASTEROIDEA) OF THE ALGERIAN COAST
7	Algrain, M., Lengerer, B., Hennebert, E., Leclère, P., Tafforeau, L., Wattiez, R. and Flammang, P.	LOCALIZATION AND CHARACTERIZATION OF SEA STAR ADHESIVE PROTEINS

Paleontology

8	Stegemann, T.R. and Reich, M.	UNUSUAL OSSICLE MORPHOLOGY IN SEA CUCUMBERS (APODIDA) FROM THE LATE TRIASSIC CASSIAN FORMATION, ITALY
9	Rozhnov, S.V., Mirantsev, G.V. and Terentiev, S.	THE FIRST REPRESENTATIVE OF <i>LAGYNOCYSTIS</i> (ECHINODERMATA: STYLOPHORA) FROM THE ORDOVICIAN OF THE BALTICA
10	Ogawa, A., Takahashi, Y. and Fujita, T.	NEW DISCOVERY OF WHEEL FOSSILS OF OPHIOCISTIOIDEA AND HOLOTHUROIDEA FROM JAPAN
11	Nardin, E.	ECHINODERMATA FROM THE LATEST EMSIAN (DEVONIAN) OF HAMAR LAGHDAD (MOROCCO)
12	Mirantsev, G.V. and Kalyakin, E.A.	NEW DATA ON TURONIAN - CONIACIAN ECHINODERMS FROM THE SOUTH OF THE RUSSIAN PLATFORM
13	Numberger-Thuy, L.D., Thuy, B.1, Landman, N.H.2 and Larson, N.L.	THE FIRST FOSSIL OPHIUROID ASSOCIATED WITH A COLD METHANE SEEP: CHALLENGING PREDATION-DRIVEN EVOLUTION
14	Humański, K.	REVISION IN THE DIPLOPORITAN GENUS <i>EUCYSTIS</i> : ONTOGENY, SYSTEMATICS AND EVOLUTION

15	Ishida, Y., Kohtsuka, H., Manabe, M., Ohara, M., Kiyomoto, M. and Fujita, T.	PRODUCING PROCESS OF TRACE FOSSIL <i>ASTERIACITES</i> –BURRIAL EXPERIMENT OF EXTANT ASTEROID AND OPHIROID
16	Farrar, L., Graves, E., Petsios, E., Portell, R.W., Tyler, C.L. and Kowalewski, M.	CHARACTERIZING TRACES OF PREDATION AND PARASITISM ON FOSSIL ECHINOIDS

Systematics & Evolution

17	Sodeyama, F. and Kohtsuka, H.	PUTATIVE CRYPTIC SPECIES IN <i>ANTEDON SERRATA</i> FOUND FROM ITS SPAWNING DIFFERENCE
18	Obuchi, M., Omori, A. and Kohtsuka, H.	CRYPTIC SPECIES OF THE GENUS <i>COMANTHUS</i> (CRINOIDEA: COMATULIDA) FROM SOUTHERN JAPAN
19	Díaz-Suárez, A., Cánovas, F.1 and González-Wangüemert, M.	ASSESSING THE VALIDITY OF OSSICLES AS A TAXONOMIC CRITERIA FOR MEDITERRANEAN AND NORTH-WESTERN ATLANTIC SEA CUCUMBERS
20	Smirnov, I., Ananjeva N., Pugachev O., Khalikov R., Lobanov A. and Voyta L.	ECHINODERM COLLECTION OF THE ZOOLOGICAL INSTITUTE OF RAS AS INFORMATION BASE OF FUNDAMENTAL BIOLOGICAL INVESTIGATION
21	Saitoh, M., Kiyono, Y., Wakayama, N., Obuchi, M., Nakachi, S., Kroh, A. and Kanazawa, K.	A PROJECT TO SUMMARIZE THE WEST PACIFIC ECHINOIDS: EXTANT ECHINOID SPECIES FROM MIDDLE TO SOUTHERN JAPAN
22	Reich, M., Ilsemann, B. and Schiøtte, T.	SEA CUCUMBER TYPE MATERIAL OF CARL GOTTFRIED SEMPER (1832–1893) AT THE DANISH NATURAL HISTORY MUSEUM IN COPENHAGEN
23	Arai, M. and Fujita, T.	A NEW FAMILY OF VALVATIDA (ASTEROIDEA) FROM THE PACIFIC OCEAN

Morphology

24	Grun, T., Von Scheven, M., Bischoff, M. and Nebelsick, J. H.	BIOMECHANICS OF <i>ECHINOCYAMUS PUSILLUS</i> : THE RELEVANCE OF INTERNAL BUTTRESSING
25	Krom, A.B. and Glass, A.	MEASURING HANDEDNESS IN ECHINODERMS; MODELS FOR HANDEDNESS IN ORGANISMS WITH PENTAMERAL SYMMETRY
26	Berecoechea, J.J., Zucco, S.M., Saulino, D. and Brogger, M.I.	USE OF NON-INVASIVE IMAGING TECHNIQUE AS AN APPROACH TO MORPHOLOGICAL AND REPRODUCTIVE STUDIES IN OPHIUROIDEA

Reproduction & Development

27	Kalvani, B., Sodagar, M., Mazandarani, M., Noori, A. and González-Wangüemert, M.	INDUCING IN VITRO OOCYTE MATURATION OF <i>HOLOTHURIA ARGUINENSIS</i> AND HOLOTHURIA LEUCOSPILOTA, USING RADIAL NERVE EXTRACT
28	Yamanaka, A., Takuwa, Y. and Kitazawa, C.	STUDY ON HYBRIDS OF TEMNOPLEURID SEA URCHINS

29	Carrier, T.J., Wolfe, K., Lopez, K., Gall, M., Janies D.A., Byrne, M. and Reitzel, A.M.	DIET-INDUCED SHIFTS IN THE CROWN-OF-THORNS (<i>ACANTHASTER</i> SP.) LARVAL MICROBIOME
30	Kalachev, A.V. and Yurchenko, O.V.	EFFECT OF ALGAE ON PRE-FEEDING DEVELOPMENT OF SEA URCHINS <i>MESOCENTROTUS NUDUS</i> AND <i>STRONGYLOCENTROTUS INTERMEDIUS</i>
31	Yeemin, T., Sutthacheep, M., Ruangthong, C., Pengsakun, S., Klinthong, W. and Putthayakool, J.	DISTRIBUTION AND ABUNDANCE OF THE SEA CUCUMBERS <i>HOLOTHURIA</i> SPP. ON CORAL COMMUNITIES IN THE GULF OF THAILAND
32	Udagawa, S., Nagai, A., Saito, M. and Kondo, M.	DEVELOPMENT OF ADULT ORGANS AND THE PENTARADIAL BODY PLAN IN A SEA CUCUMBER, <i>APOSTICHOPUS JAPONICUS</i>

Poster Session (2) (6/1, 13:15-14:00, Corridor, 1st Floor)

Ecology

33	Domínguez-Godino, J.A., Domínguez-Godino, S., Ricart A., and González-Wangüemert, M.	MASS MORTALITY OF ECHINODERMS ACROSS THE ALGARVE COAST (SOUTH PORTUGAL) AFTER THE STORM EMMA
34	Alvarado, J.J., Soto-Soto, R.4, Jiménez, C.5, and Cortés, J.	ECHINOID MORTALITY AFTER A 7.6 EARTHQUAKE ON THE CARIBBEAN COAST OF COSTA RICA
35	Okada, A. and Kondo, M.	OBSERVATION OF INTESTINAL REGENERATION AFTER INDUCED EVISCERATION IN A SEA CUCUMBER, <i>EUPENTACTA QUINQUESEMITA</i>
36	Kamenev, Ya.O. and Dolmatov, I. Yu.	REGENERATION AFTER FISSION AND TRANSVERSE CUTTING IN THE <i>HOLOTHURIAN CLADOLABES SHCMELTZII</i>
37	Kalacheva (Bobrovskaya), N.V., Eliseikina, M.G., Frolova, L.T. and Dolmatov, I.Yu	THE ROLE OF NEUROSECRETORY-LIKE CELLS IN DIGESTIVE SYSTEM REGENERATION OF THE CRINOID <i>HIMEROMETRA ROBUSTIPINNA</i>
38	Caulier, G., Claereboudt, E., Flammang, P., Gerbaux, P. and Eeckhaut, I.	SMELLING OUT DISEASE: ULCERATED HOLOTHUROIDS INDUCE DIFFERENT CHEMOTAXIS BEHAVIORS IN SYMBIOTIC AND PREDATORY CRABS
39	Sherman, S.	FEEDING POSTURES AND RAPID ARM MOVMENTS IN COMATULID CRINOIDS (IN VIVO)
40	Sherman, S.	COLOR MORPHS AND ASSOCIATIONS OF <i>OPHIOTHRIX SUENSONII</i> WITH THE SPONGE <i>CALLYSPONGIA VAGINALIS</i> AND OTHER SPECIES AT CAYOS COCHINOS, HONDURAS
41	Migita, M.	RIGHTING BEHAVIOR OF A <i>STARFISH PATIRIA PECTINIFERA</i> ON HETEROGENEOUS SUBSTRATES

42	Moritaki, T.	ON THE BEHAVIOR OF <i>PRIONECHINUS FORBESIANUS</i> IN THE AQUARIUM
43	Smirnov, I, Sirenko, B., Stepanjants, S., Poltaruha, O. and Savinkin, O.	FINDING OF SYMBIOTIC BRITTLE STAR <i>OPHIOCNEMIS MARMORATA</i> (ECHINODERMATA: OPHIUROIDEA: OPHIOTRICHIDAE) AT JELLYFISHES OF GENUS <i>RHOPILEMA</i> (CNIDARIA: SCYPHOZOA) IN THE WATERS OF VIETNAM
44	Hernández-Morales, A., Granja-Fernández, R., Herrero-Pérezrul, M.D. and Flores-Acosta, J.H.	BRITTLE STARS ASSOCIATED WITH MANGROVE ROOTS IN LA PAZ BAY, GULF OF CALIFORNIA, MÉXICO
45	Zhao, C., Zhang, L., Qi, S., Shi, D., Yin, D. and Chang, Y.	MULTI-LEVEL EFFECTS OF LONG-TERM ELEVATED TEMPERATURE ON FITNESS TRAITS OF SEA URCHINS <i>STRONGYLOCENTROTUS INTERMEDIUS</i>
46	Karelitz, S., Dworjanyn, S., Byrne, M. and Lamare, M.	TRANSGENERATIONAL PLASTICITY IN THE SEA URCHIN <i>TRIPNEUSTES GRATILLA</i> IN RESPONSE TO OCEAN WARMING AND ACIDIFICATION
47	González-Delgado, S., Hernández, J.C., Epherra, L., Hernández, C. and Alfonso, B.	EFFECT OF A NATURAL CO ₂ GRADIENT ON EGG CHARACTERISTICS OF <i>ARBACIA LIXULA</i>
48	Di Giglio, S., Lein, E., Hu, M., Stumpp, M., Melzner, F., Malet, L. and Dubois, P.	OCEAN ACIDIFICATION ALTERS THE MECHANICAL PROPERTIES OF THE SKELETON IN ADULT <i>ASTERIAS RUBENS</i>
49	Dubois P.	IS MAGNESIUM CONCENTRATION IN THE SKELETON A PREDICTOR OF ECHINODERM SENSITIVITY TO OCEAN ACIDIFICATION ?
50	Márquez-Borrás, F., Solís-Marín, F.A. and Mejía-Ortiz, L.M.	TROGLOMORPHISM IN A BRITTLESTAR OF THE GENUS <i>OPHIONEREIS</i> (OPHIUROIDEA: OPHIONEREIDIDAE) FROM MEXICO

Physiology

51	Osorio Kuan, J.A., Espinosa de los Monteros, R.A., Solís-Marín, F.A., Salgado Ortiz, N. and Simental, D.	SEA CUCUMBERS AS A POTENTIAL MARINE COLLAGEN SOURCE: A HIGH PERFORMANCE METHOD
52	Hernández Melgar, A.G., Osorio Kuan, J.A., Espinosa de los Monteros, R.A., Solís-Marín, F.A., Salgado Ortiz, N. and Simental, D.	PURIFICATION AND KYNETIC CHARACTERIZATION OF NOVEL PROTEASES FROM THE SEA CUCUMBER <i>HOLOTHURIA INORNATA</i> FROM CHAMELA BAY, JALISCO, MEXICAN PACIFIC
53	Salgado-Ortiz, N., Arreguín Espinosa de los Monteros, R., Solís-Marín F. A. and Simental Crespo, D.	SEA CUCUMBER AS A POTENTIAL SOURCE OF PHOTOPROTECTIVE COMPOUNDS: COLLAGEN AND MYCOSPORINE-LIKE AMINOACIDS

Biogeography

54	Parada-Zarate, T., Solís-Marín, F.A. and Laguarda-Figueras, A.	FIRST RECORD OF THE STARFISH <i>PISASTER GIGANTEUS CAPITATUS</i> (STIMPSON, 1862) (ECHINODERMATA: ASTEROIDEA) IN THE MEXICAN PACIFIC
55	Guillaumot, C., Martin, A., Eleaume, M. and Saucède, T.	BENTHIC SPECIES OF THE KERGUELEN PLATEAU MODELLED DISTRIBUTIONS IN A FAST-CHANGING ENVIRONMENT
56	Benavides, R., Cambronero, S., Alvarado, J. J. and Solís-Marín, F.A.	NEW REPORTS OF ECHINODERMS ON THE CARIBBEAN COAST OF CENTRAL AMERICA DEEP BASIN: PERSPECTIVES AND PROJECTIONS

Aquaculture & Fisheries

57	Sutthacheep, M., Yeemin, T., Suebpala, W., Samsuvan, W., Chamchoy, C. and Jungrak, L.	A LONG-TERM ASSESSMENT OF DISTRIBUTION AND ABUNDANCE OF THE SEA URCHIN <i>DIADEMA SETOSUM</i> ON CORAL COMMUNITIES IN THAI WATERS
58	Conejeros-Vargas, C.A., Simental-Crespo, D., Solís-Marín, F.A. and Caballero-Ochoa, A.A.	POTENTIAL SPECIES FOR THE ISOLATION AND CHARACTERIZATION OF CYTOTOXIC COMPOUNDS OF SEA CUCUMBERS IN MEXICO
59	Caballero-Ochoa, A.A., Simental-Crespo, D., Solís-Marín, F.A. and Conejeros-Vargas, C.A.	THE MARINE BIOTECHNOLOGY OF THE SEA CUCUMBER AND ITS EXPLOITATION IN MEXICO

Systematics & Evolution

60	Conejeros-Vargas, C.A., Solís-Marín, F.A., Caballero-Ochoa, A.A. and Laguarda-Figueras, A.	COMPARATIVE ANATOMY OF TUBERCULATION AND DISTRIBUTION OF SOME HOLASTEROIDS (ECHINOIDEA: HOLASTEROIDA) FROM MEXICO
61	Buitrón-Sánchez, B.E., Solís-Marín, F.A., Conejeros-Vargas, C.A., Caballero-Ochoa, A.A. and Durán-González, A.	TAXONOMIC REVIEW OF THE FAMILY CASSIDULIDAE L. AGASSIZ & DESOR, 1847 FROM MEXICAN WATERS
62	Solís-Marín, F.A., Cao-Romero, C.M., Caballero-Ochoa, A.A., Conejeros Vargas, C.A., López Luján, L. and Zúñiga Arellano, B.	REVISITING THE ECHINODERM REMAINS IN THE BURIED OFFERINGS OF THE TEMPLO MAYOR OF TENOCHTITLAN, MEXICO CITY

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