

Oral presentation schedule

Day 1, 28 March 2022 (Monday)

Time	Title. <i>Speaker, affiliation</i>
9:00-9:15	Opening ceremony
9:15-9:30	Tea break
9:30-10:30	Volume, heat and salinity transports through the subpolar North Atlantic. <u><i>Feili Li, State Key Laboratory of Marine Environmental Science, Xiamen University.</i></u>
10:30-10:45	Tea break
10:45-11:00	Oral presentation 1 Growth study of <i>Aspergillus terreus</i> associated with Kueishan Island Hydrothermal Vent Field, Taiwan. <u><i>Sheng-Yu Guo, Institute of Marine Biology, National Taiwan Ocean University.</i></u>
11:00-11:15	Oral presentation 2 Deep Water Circulation in the Low Latitude Western Pacific Since the Last Glacial Maximum. <u><i>Wei-Cheng, Hsiung, Department of Oceanography, National Sun-Yat Sen University.</i></u>
11:15-11:30	Oral presentation 3 Seascape population genetics of vulnerable seagrass <i>Halophila beccarii</i> in Hong Kong and South China coast. <u><i>Dwi Wai Shan Jaimie, Department of Biological Science, The University of Hong Kong.</i></u>
11:30-11:45	Tea break
11:45-12:00	Oral presentation 4 What drive patterns of species assemblages on Hong Kong's rocky shores? <u><i>Jackson Wai Ting Lau, The Swire Institute of Marine Science and School of Biological Sciences, The University of Hong Kong.</i></u>
12:00-12:15	Oral presentation 5 Exploratory analysis of <i>P.donghaiense</i> bloom metatranscriptomes reveals infection by large dsDNA viruses. <u><i>Jingtian Wang, State Key Laboratory of Marine Environmental Science and College of Ocean and Earth Sciences, Xiamen University.</i></u>
12:15-12:30	Oral presentation 6 The diversity of marine mangrove fungi in three mangroves of Taiwan. <u><i>Louise George, Institute of Marine Biology, National Taiwan Ocean University.</i></u>
12:30-12:45	Oral presentation 7 Analysis of energy flow in the sea area of Zhongjieshan Islands and assessment of ecological capacity of <i>Sepiella maindroni</i> based on Ecopath model. <u><i>Wenjing Shi, College of Marine Science and Technology, Zhejiang Ocean University.</i></u>
12:45-14:15	Lunch

14:15-15:15	Food Security, Filter-Feeders and Plastics. <u>Asanka Jayasinghe, Department of Limnology & Water Technology, Faculty of Fisheries and Marine Sciences & Technology, University of Ruhuna.</u>
15:15-15:30	Tea break
15:30-15:45	Oral presentation 8 Symptoms and solutions of different grouper species infected with <i>cryptocaryon irritans</i> . <u>Jiajun Zhang, College of Ocean and Earth Sciences, Xiamen University.</u>
15:45-16:00	Oral presentation 9 Microbiome analysis of microplastics in different locations of Yilan bay with seasonal analysis and biodegradation ability of marine debris associated bacteria. <u>Priyanka Muthu, Institute of Marine Biology, National Taiwan Ocean University.</u>
16:00-16:15	Oral presentation 10 Local ecological knowledge of fishers reveals biology, ecology, and fisheries of the Asian Anguillid eels: a study from the perennial reservoirs of Anuradhapura District, Sri Lanka. <u>Baddage Don Madusanka Mihiran, Department of Aquaculture and Aquatic Resources Management, University College of Anuradhapura.</u>
16:15-16:30	Oral presentation 11 N ₂ fixation in <i>Trichodesmium</i> does not require spatial segregation from photosynthesis. <u>Weicheng Luo, State Key Laboratory of Marine Environmental Science and College of Ocean and Earth Sciences, Xiamen University.</u>

Day 2, 29 March 2022 (Tuesday)

Time	Title. <i>Speaker, affiliation</i>
9:00-10:00	Microplastic pollution in the marine environment. <u><i>Kesaven Bhubalan, Faculty of Science and Marine Environment, Universiti Malaysia Terengganu.</i></u>
10:00-10:15	Tea Break
10:15-10:30	Oral presentation 12 Novel indicator of biopterin to interactions and perturbations associated with trace metals in estuarine and coastal waters, Southeast China. <u><i>Kang Mei, State Key Laboratory of Marine Environmental Science, Xiamen University.</i></u>
10:30-10:45	Oral presentation 13 Microplastics in the surface waters of the South China Sea and the western Pacific Ocean: Different size classes reflecting various sources and transport. <u><i>Yaozong Cui, State Key Laboratory of Marine Environmental Science, Xiamen University.</i></u>
10:45-11:00	Oral presentation 14 The food web study of cultured spotted hard clam (<i>Meretrix petechialis</i>) in Taiwan. <u><i>Paul Zert Yap, Department of Oceanography, National Sun Yat-sen University.</i></u>
11:00-11:15	Oral presentation 15 Daylight-harvester and optical fiber transmission application on <i>Sarcodia suiae</i> cultivation. <u><i>Hong-Lin Hsu, Department of Marine Environment and Engineering, National Sun Yat-Sen University.</i></u>
11:15-11:30	Tea Break
	Ecology and conservation
11:30-11:45	Oral presentation 16 Ecological impact on local community by the predatory marine invasive fishes in Taiwan. <u><i>Yun-Chih Liao, Department of Earth and Life Science, University of Taipei.</i></u>
11:45-12:00	Oral presentation 17 Light Fisheries in Japan and Development of Fishing Light. <u><i>Kazuhiko Anraku, Faculty of Fisheries, Kagoshima University.</i></u>
12:00-12:15	Oral presentation 18 Conservation of chondrichthyes fish in Taiwan. <u><i>Jen-Chieh Shiao, Institute of Oceanography, Colleague of Science, National Taiwan University.</i></u>
12:15-12:30	Oral presentation 19 Structural and functional heterogeneity of the bacterial communities associated with the azooxanthellate scleractinia (<i>Tubastraea coccinea</i>) across different habitats. <u><i>K.G.Gowri, Institute of Marine Biology, College of Life Science, National Taiwan Ocean University.</i></u>
12:30-14:00	Lunch

14:00-15:00	Carbon concentration and pH regulation underlying biomineralization in a marine calcifier - From cellular mechanisms to global relevance. <i>Marian Hu, Institute of Physiology, Christian-Albrechts-University.</i>
15:00-15:15	Tea break
15:15-15:30	Oral presentation 20 Does elevated concentration of CO ₂ affect the behaviour of a freshwater fish species (<i>Danio rerio</i>)? <i>Daniele Romeo, The Swire Institute of Marine Science, School of Biological Sciences, The university of Hong Kong.</i>
15:30-15:45	Oral presentation 21 Variation characteristics of atmospheric methane and carbon dioxide in summertime at a coastal site in the South China Sea. <i>Yangyan Cheng, First Institute of Oceanography, and Key Laboratory of Marine Sciences and Numerical Modeling, Ministry of Natural Resources.</i>
15:45-16:00	Oral presentation 22 Ocean deoxygenation and acute hypoxia alter cuttlefish development, physiology and cognition. <i>Paula J.R, Swire Institute of Marine Science, Division for Ecology and Biodiversity, School of Biological Sciences, The University of Hong Kong.</i>
16:00-16:15	Oral presentation 23 Aging mechanism of polyethylene microplastics by xenon irradiation and its effects on the adsorption of various pollutants. <i>You Huimin, College of Environmental and science,, Xiamen University.</i>
16:15-16:30	Tea break
	Physiological responses to human impacts
16:30-16:45	Oral presentation 24 Multigenerational evaluations of behaviors and neuromolecular responses in marine medaka under acidified seawater. <i>Yung-Che Tseng, Marine Research Station, Institute of Cellular and Organismic Biology, Academia Sinica.</i>
16:45-17:00	Oral presentation 25 Characterizing biogeographic and genetic features of symbiotic cyanobacteria in the coral-killing sponge, <i>Terpios hoshinota</i> . <i>Sen-Lin Tang, Biodiversity Research Center, Academia Sinica.</i>
17:00-17:15	Oral presentation 26 Nature-based solution for multiple goals of biodiversity conservation and climate mitigation. <i>Hsing-Juh Lin, Department of Life Sciences, National Chung Hsing University.</i>
17:15-17:30	Oral presentation 27 Adsorption and Bioaccumulation of Polycyclic Aromatic Hydrocarbons and Heavy Metals by Polyhydroxyalkanoate Microparticles. <i>Tan Suet May Amelia, Faculty of Science and Marine Environment, Universiti Malaysia Terengganu.</i>
	Q & A Session

Day 3, 30 March 2022 (Wednesday)

Time	Title. <i>Speaker, affiliation</i>
9:00-10:15	Thresholds of mangrove survival under rapid sea-level rise. <u>Nicole S. Khan, Dept of Earth Sciences and Swire Institute of Marine Science, The University of Hong Kong.</u>
10:00-10:15	Tea Break
10:15-10:30	Oral presentation 28 High organic matter loading induced hypoxic events in Dongsha Atoll, South China Sea. <u>R.D.D.W. Kulathunga, Department of Oceanography, National Sun Yat-sen University.</u>
10:30-10:45	Oral presentation 29 Quantification of remineralization rate of particulate organic matter using a modified ¹⁵ N-isotope dilution method. <u>Sijing Kang, College of Ocean and Earth Sciences, Xiamen University.</u>
10:45-11:00	Oral presentation 30 Responses of energy budget and gut microbes of Mussel Thick-shelled mussel under combined stresses of <i>Vibrio alginolyticus</i> and predators. <u>Xiang Chen, College of Fisheries and Life Sciences, Shanghai Ocean University.</u>
11:00-11:15	Oral presentation 31 Jellyfish challenge provisioning ecosystem services in Korean coastal waters. The case study of anchovy. <u>Sun-Hee Lee, Institute of Marine Biology, National Taiwan Ocean University.</u>
11:15-11:30	Tea Break
	Biodiversity and taxonomy I
11:30-11:45	Oral presentation 32 Diversity exploration and degree of endemism of the invertebrate fauna of Japan's ancient Lake Biwa. <u>Mark J. Grygier, Lake Biwa Museum.</u>
11:45-12:00	Oral presentation 33 Discovering a new goby species in a species complex: an example from Taiwan. <u>Shih-Pin Huang, Biodiversity Research Center, Academia Sinica.</u>
12:00-12:15	Oral presentation 34 Taxonomic review of deep-sea batfish genus <i>Halieutopsis</i> of the world. <u>Hsuan-Ching Ho, National Museum of Marine Biology & Aquarium.</u>
12:15-12:30	Oral presentation 35 Characterization of the complete mitochondrial genome of an endemic fish of Thailand, <i>Hampala salweenensis</i> (Cypriniformes: Cyprinidae) and its phylogenetic implications. <u>Thapanee Pholdee, Faculty of fisheries Technology and Aquatic</u>

	<u>Resources, Maejo University.</u>
12:30-14:00	Lunch
14:00-15:00	Academic salon. <u>Stephan Steinke, State Key Laboratory of Marine Environmental Science, Xiamen University.</u>
15:00-15:15	Tea break
15:15-15:30	Oral presentation 36 Trophic plasticity of subtropical corals in response to seasonal fluxes. <u>Emily Chei, The University of Hong Kong.</u>
15:30-15:45	Oral presentation 37 Effects of developmental temperature on the brain molecular response and behaviour of the zebrafish <i>Danio rerio</i> . <u>Jade Mathilde SOURISSE, The Swire Institute of Marine Science and School of Biological Sciences, The University of Hong Kong.</u>
15:45-16:00	Oral presentation 38 Withstanding the stress: Behavioural and physiological strategies to survive emersion of tropical intertidal bivalves. <u>Sung-yau Benjamin Chiu, The Swire Institute of Marine Science and School of Biological Sciences, The University of Hong Kong.</u>
16:00-16:15	Oral presentation 39 Quantify the effect of thermal stress on intertidal mussels at multiple spatial scales. <u>Yifei Gu, The Swire Institute of Marine Science and Area of Ecology & Biodiversity, School of Biological Sciences, The University of Hong Kong.</u>
16:15-16:30	Tea Break
	Biodiversity and taxonomy II
16:30-16:45	Oral presentation 40 The species diversity of freshwater gobiid genus <i>Rhinogobius</i> Gill, 1859 from the Minjiang basin, Fujian Province, China. <u>I-Shiung Chen, Institute of Marine Biology, National Taiwan Ocean University.</u>
16:45-17:00	Oral presentation 41 Description of a new cryptic species of moray eel (Anguilliformes: Muraenidae) from western Pacific Ocean. <u>Loh Kar Hoe, Institute of Ocean and Earth Sciences, University of Malaya.</u>
17:00-17:15	Oral presentation 42 Taxonomic review and phylogenetic analysis of the gobiid fish genus <i>Trimma</i> and <i>Trimmatom</i> (Teleostei: Gobiidae). <u>Tonisman Harefa, Institute of Marine Biology, National Taiwan</u>

	<i><u>Ocean University.</u></i>
17:15-17:30	Oral presentation 43 Fish fauna survey using environmental DNA. <i><u>LIAO Te-Yu, Department of Oceanography, National Sun Yat-sen University.</u></i>
	Q & A Time

Day 4, 31 March 2022 (Thursday)

Time	Title. <i>Speaker, affiliation</i>
9:00-10:00	Cruises, Boats and Specimens. Exploring the Deep Sea: BBNJ, what science does and how scientists work. <u><i>Peter Ng Kee Lin, Department of Biological Sciences, Faculty of Science, National University of Singapore.</i></u>
10:00-10:15	tea break
10:15-10:30	Oral presentation 44 Fungal communities associated with carapace and gut of the marine crabs <i>Charybdis natator</i> and <i>Monomia haani</i> in Northern Taiwan. <u><i>Ami Shaumi, Institute of Marine Biology and Centre of Excellence for the Oceans, National Taiwan Ocean University.</i></u>
10:30-10:45	Oral presentation 45 Relationship between SNP polymorphism in mitochondrial gene of <i>Larimichthys crocea</i> and wild and cultured populations. <u><i>Jixiang Yao, College of Ocean and Earth Sciences, Xiamen University.</i></u>
10:45-11:00	Oral presentation 46 Structural and functional heterogeneity of the bacterial communities associated with the azooxanthellate scleractinia (<i>Tubastraea coccinea</i>) across different habitats. <u><i>Gowri Krishna Girija, Institute of Marine Biology, College of Life Science, National Taiwan Ocean University.</i></u>
11:00-11:15	Oral presentation 47 Phytate as a phosphorus nutrient with impacts on iron stress-related gene expression for phytoplankton: insights from diatom <i>Phaeodactylum tricornutum</i> . <u><i>Jiashun Li, State Key Laboratory of Marine Environmental Science and College of Ocean and Earth Sciences, Xiamen University.</i></u>
11:15-11:30	Tea break
11:30-12:30	Poster show 1
12:30-14:00	Lunch
14:00-15:00	Poster show 2
15:00-15:15	Tea break
15:15-16:15	Closing ceremony