



Day 1 (10 December 2021, Friday, HKT 9 AM)		
Opening	(HKT/GMT+8) 9:00 - 9:10 AM	Hiroaki Furumai , The University of Tokyo, Japan
Session A	Emerging Contaminants Session Session Chairs: Ikuro Kasuga/Di Wu/Hiroshi Sakai	
Keynote	9:10 - 9:45 AM	Nobody knows the Environmental Fate of Plastic Garbage Shuhei Tanaka , Kyoto University, Japan
Break (05 Minutes)		
A - 01	9:50 - 10:15 AM	Occurrence of microplastic from tire wear particle Hiroshi Sakai , Tokyo Metropolitan University, Japan
A - 02	10:15 - 10:40 AM	Deciphering the mobility and bacterial hosts of antibiotic resistance genes under antibiotic selection pressure by metagenomic assembly and binning approaches Bing Li , Tsinghua University, China
A - 03	10:40 - 11:05 AM	Occurrence and fate of endotoxin in the course of advanced water purification process Dai Simazaki , National Institute of Public Health, Japan
Break (10 Minutes)		
A - 04	11:15 - 11:40 AM	Interactive Toxicity of Triclosan and Nano-TiO ₂ to Green Alga <i>Eremosphaera viridis</i> in Lake Erie: A New Perspective Based on Fourier Transform Infrared Spectromicroscopy and Synchrotron-Based X-ray Fluorescence Imaging Xiaying Xin , City University of Hong Kong, HKSAR
A - 05	11:40 - 12:05 PM	Tracking the dynamics of COVID-19 prevalence in a community via wastewater-based epidemiology Masaaki Kitajima , Hokkaido University, Japan
A - 06	12:05 - 12:30 PM	Development of the UV/Chlor(am)ine Advanced Oxidation Processes for Emerging Contaminant Removal during Potable Water Reuse Ran Yin , The Hong Kong University of Science and Technology, HKSAR
Lunch Break (60 Minutes)		
Session B	Membrane Session Session Chairs: Chuyang Y. Tang/Takashi Hashimoto/Tomohiro Tobino	
Keynote	13:30 - 14:05 PM	Nutrients in a circular economy using membrane technology Ho Kyong Shon , University of Technology Sydney, Australia
B - 01	14:05 - 14:30 PM	Membrane biofilms technology for autotrophic nitrogen removal Di Wu , The Hong Kong University of Science and Technology, HKSAR & The Ghent University, South Korea
B - 02	14:30 - 14:55 PM	Electroconductive moving bed membrane bioreactor (EcMB-MBR) for single-step decentralized wastewater treatment Wenchao Xue , Asian Institute of Technology, Thailand
B - 03	14:55 - 15:20 PM	Elucidating the role of graphene oxide layers in enhancing N-Nitrosodimethylamine (NDMA) rejection and antibiofouling property of RO membrane simultaneously Noman Khalid Khanzada , City University of Hong Kong, HKSAR
Break (10 Minutes)		
B - 04	15:30 - 15:55 PM	Stop Autoinducer-2 Chatting: A Strategy for Anti-Biofouling in Membrane Bioreactor for Wastewater Treatment and Water Reuse Kibaek Lee , Chonnam National University, South Korea
B - 05	15:55 - 16:20 PM	Membrane surface modification for selective removal of organic micropollutants Hao Guo , The University of Hong Kong, HKSAR
B - 06	16:20 - 16:45 PM	Membrane bioreactors for removal of emerging contaminants from wastewater Faisal Hai , University of Wollongong, Australia
B - 07	16:45 - 17:10 PM	Microplastics Affect Membrane Bioreactor Performance in Wastewater Treatment Jenyuk Lohwacharin , Chulalongkorn University, Thailand



Day 2 (11 December 2021, Saturday, HKT 9 AM)		
Opening	9:00 - 9:05 AM	Alicia AN , City University of Hong Kong, HKSAR
Session C	Advanced Oxidation Processes Session Session Chairs: Ling Li/Karthikeyan Sekar	
Keynote	9:05 - 9:40 AM	Deployment and Adaptation of Advanced Environmental Technology in Underserved Communities Shane Allen Snyder , Nanyang Technological University, Singapore.
Break (05 Minutes)		
C - 01	9:45 - 10:10 AM	Roles of halogen radicals in the transformation of micropollutants in UV/chlorine advanced oxidation process Jingyun Fang , Sun Yat-Sen University, China
C - 02	10:10 - 10:35 AM	Plasmonic photocatalytic for environmental applications Ewa Kowalska , Hokkaido University, Japan
C - 03	10:35 - 11:00 AM	Development of a novel photocatalytic chlorine activation process for micropollutant degradation Ling Li , The Hong Kong University of Science and Technology, HKSAR
Break (10 Minutes)		
Poster Session	11:10 AM - 12:00 PM	Poster Flash Presentation (2~3 mins)
	12:00 - 13:00 PM	Q&A (Zoom Breakout rooms)
Award and closing	13:00 - 13:20 PM	Hiroaki Furumai & Alicia An