

GEOTROP 2019
Crowne Plaza Surfer's Paradise

Monday 29 July Day 1

From	To	Activity	Speaker	Room	Session Chair
8.30am	8.35am	Opening Ceremony	Zhihong Xu	Norfolk Room	Zhihong Xu
8.35am		Journal Editors in Chief	Ming Hung Wong (EGAH), Yong Sik Ok (JHM), Philippe Garrigues (ESPR), Zhihong Xu (JSS)		
9:00am	9:30am	Plenary talk	Ming Hung Wong (The Education University of Hong Kong) - Environmental and health impacts of plastics, with emphasis on bisphenol A and phthalates		
9:30am	10.00am	Plenary Talk	Yong Sik Ok (Korea University) - Biochar as a sorbent for contaminant management in soil and water: A review		
10.00am	10:15am	Photos		Norfolk Room Foyer	
10.15am	10.45am	Morning Tea		Norfolk Room Foyer	
10.45am	12.30pm	Session A: Theme 1 Fate, persistence, distribution and ecotoxicological impacts of chemicals used	Suresh Pillai (Institute of Technology Sligo) 25 minutes - New insights into the development of photocatalytic nanomaterials for disinfection and decontamination	Norfolk Room	Kitae Baek and Suresh Pillai
			Kitae Baek (Chonbuk National University) 25 minutes- Remediation strategy of cesium-contaminated soil: Enhanced extraction and selective adsorption		
			Dan A (Sun Yat-sen University) 15 minutes - Accelerated biodegradation of p-tert-butylphenol in the phragmites australis rhizosphere by phenolic root exudates		
			Yao-Yu Zhang (Peking University) 15 minutes - Mercury methylation by Geobacter metallireducens GS-15 in the presence of Skeletonema costatum		
			Jack C. Ng (University of Queensland) 15 minutes - Toxicological interaction of mixed per- and polyfluorinated substances in human liver cells		
			Barry Noller (University of Queensland) 15 minutes - Evaluation of free cyanide and metal cyanide complexes in waters of gold and other mining using a toxicity approach		
10.45am	12.30pm	Session B: Theme 2 Biochar for sustainable waste management in agricultural / aquaculture industries	Hailong Wang (Foshan University) 25 minutes - Physicochemical properties of biochars derived from typical urban woody green wastes and their potential uses	Cypress Room	Daniel Tsang and Hailong Wang
			Daniel Tsang (Hong Kong Polytechnic University) 25 minutes - Groundwater remediation using sustainable biochar catalysts/adsorbents by design		
			Kumundi Niroshika Palansooriya (Korea University) 15 minutes - Soil amendments for immobilization of potentially toxic elements in contaminated soils: a critical review		
			Iman Tahmasbian (Charles Sturt University, Griffith University, Wagga Wagga Agricultural Institute) 15 minutes - Temperature sensitivity and short- to long-term carbon priming of biochars in vertisols with various organic carbon pools		
			Hye-Bin Kim (Chonbuk National University) 15 minutes - Control of organic matter dissolution from biochar		

12:30pm	1.30pm	Lunch		Relish Bar and Grill	
1:30pm	2.00pm	Plenary talk	Nanthi Bolan (University of Newcastle) - Microplastics as a vector for environmental contaminants	Norfolk Room	Philippe Garrigues
2.00pm	2.30pm	Plenary talk	Caixian Tang (La Trobe University) - Impacts of long-term liming on the dynamics of organic matter in acid soils		
2.30pm	4.00pm	Session C: Theme 3 Current status of environmental contamination of agricultural / horticultural / aquaculture industries	Yan He (Zhejiang University) 25 minutes - Environmental fate of organic pollutants in soil and pollution control	Norfolk Room	Daniel Alessi
			Qin Zhang (Jiangxi Agricultural University) 15 minutes - Effect of combined application of lime and fertilizer on amelioration of ion-adsorption type rare earth tailing		
			Su-Jin Min (Chonbuk National University) 15 minutes - Mechanism on electrochemical oxidation of phenol using carbon fiber anode		
			Yun Liu (Chinese Academy of Sciences, University of Chinese Academy of Sciences) 15 minutes - Adsorption and bioregeneration in the treatment of 1,4-Dioxane with titanium silicalite-1		
2.30pm	4.00pm	Session D: Theme 4 Sustainable agricultural / horticultural / aquacultural ecosystems	Jack C. Ng (University of Queensland) 25 minutes - An approach to demonstrate a successful and beneficial future land use after mine closure	Cypress Room	Zhiqun Huang
			Tian Hu (Griffith University, Australian National University) 15 minutes - Agricultural drought monitoring in Australia: Application of Himawari-8 brightness temperature for vegetation water stress detection		
			Linfeng Li (University of Chinese Academy of Sciences and Griffith University) 15 minutes - Climate extremes and grassland carbon cycling		
			Chong Liu (Sun Yat-sen University) 15 minutes - Phenomics and metabolomics of root exudates revealed contrasting cadmium resistance strategies in two rice lines (<i>Oryza sativa</i> L.)		
4.00 pm	4.30pm	Afternoon Tea & Poster session		Norfolk Room Foyer	
4.30pm	5.00pm	General Discussion		Norfolk Room Foyer	Zhihong Xu
5.00pm	6.00pm	ESPR Editors meeting and dinner afterwards		Kauri Room	Philippe Garrigues

Tuesday 30 July Day 2

From	To	Activity	Speaker	Room	Chair
8.30am	8.40am	Welcome	Zhihong Xu		
8.40am	9:10am	Plenary talk	Zhihong Xu (Griffith University) - Is carbon cycling still coupled with hydrological and nitrogen cycling in terrestrial ecosystems under intensifying climate change and land management?	Norfolk Room	Yong Sik Ok
9:10am	9.40am	Plenary Talk	Nicholas Dickinson (Lincoln University) - Constructed soils for urban agriculture		
9.45am	11.00am	Session E: Theme 5 Biochemical cycles of carbon and nutrients in agricultural, horticultural and forest ecosystems	Ying Teng (Chinese Academy of Sciences) 25 minutes - The Remediation Potential of Nitrogen-fixing Rhizobia for Polychlorinated Biphenyls Contaminated Soils	Norfolk Room	Yan He
			Yaying Li (Sun Yat-sen University) 15 minutes - Influence of metal-immobilization potentials of metal-resistant bacteria <i>Enterobacter</i> sp. EG16 and <i>Bacillus subtilis</i> DBM by goethite, kaolinite and gibbsite		
			Iman Tahmasbian (Charles Sturt University, Griffith University, Wagga Wagga Agricultural Institute) 15 minutes - Using Vegetation Indices as a Wavelength Selection Technique to Predict Litterfall Nitrogen and $\delta^{15}N$ Values using Laboratory-Based Hyperspectral Imaging		
			Ai-Jun Yao (Sun Yat-sen University) 15 minutes - Effects of Water Management, Iron-silicon Material and Biochar on Cadmium Uptake of Different Rice Varieties and its Preliminary Mechanisms		
9.45am	11.00am	Session F: Theme 6 Environmental impact of agricultural, horticultural and aquacultural activities	Young-Kwon Park (University of Seoul) 25 minutes - Production of Bio-oil with Lower Amount of Poly Aromatic Hydrocarbons from Pyrolysis of Waste Lignin	Cypress Room	Jack C. Ng
			Dianjie Wang (Griffith University) 15 minutes - Long-term Impacts of Soil Compaction and Cultivation on Tree Growths and Soil Carbon and Nitrogen Pools in Hoop Pine Plantation of Subtropical Australia		
			Xiaoqi Zhou (East China Normal University) 15 minutes - Manipulating soil methane oxidation rates under drought stress		
			Baojing Gu (Zhejiang University, University of Melbourne) 15 minutes - Does urbanization threaten food security?		
11.00am	11.30am	Morning Tea			
11:30pm	12.30pm	Editors-in-Chief of ESPR, EGAH, JHM and JSS, Editors and Authors / Researchers interactive Discussion Forum		Norfolk Room	Zhihong Xu

12:30pm	1.30pm	Lunch		Relish Bar and Grill	
1:30pm	2.00pm	Plenary talk	Filip M. G. Tack (Ghent University) - Soil remediation in a global perspective	Norfolk Room	Scott Chang
2.00pm	2.30pm	Plenary talk	Hocheol Song (Sejong University) - Fabrication of functionalised metallic biochar derived from the various wastes and utilization for removal of contaminants in water		
2.30pm	3.25pm	Session G: Theme 7 Biogeochemistry of pollutants in the environment	Eilhann E. Kwon (Sejong University) 25 minutes - Two-step pyrolysis of heavy oil contaminated soil using carbon dioxide as reaction medium	Norfolk Room	Young-Kwon Park
			Yoon-E Choi (Korea University) 15 minutes - Application of sorption as a possible weapon against harmful algal blooms		
			Ziwu Chen (Sun Yat-sen University) 15 minutes - Genomic inference of the metabolism and ecology role of the archaea in river impact by rare earth elements mining		
			Avanthi Deshani Igalavithana (Korea University) 15 minutes - Trace element behavior in soils amended with biochar: a review on effects of aging and weathering		
2.30pm	3.25pm	Session H: Theme 8 Waste recycling in agricultural, horticultural and aquacultural industries	Barry Noller (University of Queensland) 25 minutes - Health risk assessment of the Mount Isa population from arsenic and lead exposure	Cypress Room	Ying Teng
			Xi Zhong (Sun Yat-sen University) 15 minutes - Factors influencing heavy metal availability in soils of mine areas in east China and risk assessment		
			Yu Bon Man (The Education University of Hong Kong) 15 minutes - Health implications of agricultural land use conversion in Hong Kong, based on toxicity tests and health risk assessments		
3.25pm	4.30pm	Afternoon Tea & Poster Session			
4.00pm	5.00pm	JSS Editors meeting		Kauri Room	Zhihong Xu
6.00pm	10.00pm	Conference Dinner		SIFU	

Wednesday 31 July Day 3

From	To	Activity	Speaker	Room	Chair
9.00am	9:10am	Welcome	Zhihong Xu	Norfolk Room	Filip M.G. Tack
9:10am	9:40am	Plenary talk	Rongliang Qiu (Sun Yat-sen University) - Remediation of heavy metal contaminated soil: progress and future challenge		
9:40am	10.10am	Plenary Talk	Ji-Zheng He (University of Melbourne) - Microbial mechanisms of nitrification in acidic soils of tropical and subtropical areas		
10.10am	10.40am	Morning Tea			
10.40am	11.50am	Session I: Theme 9 Remediation of contaminated soils	Longbin Huang (University of Queensland) 25 minutes - Global challenges of toxic tailings: environmental impacts and economic and ecological sustainability	Norfolk Room	Barry Noller
			Xiaomin Zhao (Jiangxi Agricultural University) 25 minutes - Ecological remediation of tailing at the abandoned ion-adsorption type rare-earth mine		
			Xinxin Jin (Shenyang Agricultural University) 15 minutes - Plastic film mulching and nitrogen fertilization enhance the conversion of newly-added maize straw to water-soluble organic carbon		
			Avanthi Deshani Igalavithana (Korea University) 15 minutes - Effect of biochars pyrolyzed in N ₂ and CO ₂ , and feedstock on microbial community in metal(loid)s contaminated soils		
			Miaoyue Zhang (Sun Yat-sen University) 15 minutes - Roles of flow interruption on the retention and remobilization of functionalized multi-walled carbon nanotubes in a natural soil		
10.40am	11.50am	Session J: Theme 10 Health risk assessments of contaminated agricultural, horticultural and aquacultural products	Li Tang (University of Chinese Academy of Sciences, Griffith University) 15 minutes - Warming counteracts grazing effects on the functional structure of the soil microbial community in a Tibetan grassland	Cypress Room	Eilhann E. Kwon
			Ka Lai Chow (Hong Kong Baptist University) 15 minutes - Ecological risks of heavy metals/ metalloids released from two secondary sewage treatment works to Mai Po Ramsar site, Hong Kong		
			Jeonghwan Choi (Chonbuk National University) 15 minutes - Evaluation on oxidation mechanism and one-Step multi equipment using dual radical system(DRS)		
			Anne Roiko (Griffith University) 25 minutes - A model of collaboration for transdisciplinary research on complex environmental health issues		
12.30pm	1:30pm	Lunch			
1:30pm	2.00pm	Plenary Talk	Zhiqun Huang (Fujian Normal University) - Choosing broadleaved native species to increase soil nitrogen retention in subtropical forest plantations	Norfolk Room	Rongliang Qiu
2.00pm	2.30pm	Plenary Talk	Daniel S. Alessi (University of Alberta) - Understanding biochar-metal interactions for soil amendment and water treatment technologies		
2.30pm	3.25pm	ESPR Best Oral Presentation Awards and Closing Ceremony			
3.25pm	4.00pm	Afternoon Tea			
4.00pm	5.00pm	EGAH Editors meeting followed by EGAAH and JSS Editors dinner		Kauri Room	Ming Hung Wong