



RIO18
21st World Congress
of Soil Science

21 WORLD CONGRESS OF SOIL SCIENCE
Sunday 12 – Friday 17 August 2018
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

DIVISIONAL SIMPOSIUM – DIVISION 3

Friday (Aug, 17)		Room "Aruba I"	
C3.2.1 WG12		Managing and remediating floodplain and wetland soils	
		Paddy Soils: Mitigating GHG emission and enhancing productivity in rice-based systems	
		Convener: Mizuhiko Nishida, Tohoku Agricultural Research Center, National Agriculture and Food Research Organization. Akita, Japan, E-mail: mizuhiko@affrc.go.jp Co-Convener: Vanessa Wong, School of Earth, Atmosphere and Environment Monash University, Clayton, Australia. E-mail: vanessa.wong@monash.edu	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	373	Release of trace elements from a serpentine soil controlled by oxidation-reduction cycles with a microcosm system	Zeng-Yei Hseu
13:55 – 14:10	685	Effects of repeated removal of rice straw and application of bio-ethanol production residue derived from rice straw in a paddy field on its soil, rice growth and greenhouse gas emissions.	Fumiaki Takakai
14:10 – 14:25	1501	Preliminary screening of the affected riparian areas of the Gualaxo do Norte river by the Samarco's mine dam burst using pXRF	Gabriel William Dias Ferreira
14:25 – 14:40	1606	Biodegradation of hydrocarbons under methanogenic conditions in different oil sands tailings	Tariq Siddique
14:40 – 14:55	1731	Impact of water management on greenhouse gas production and soil fertility during rice production in southern Florida	Jennifer A Cooper
14:55 – 15:10	1856	Fertility re-evaluation of paddy soils in tropical Asia after 50 years of the Green Revolution (FREPS 50): Case studies in Thailand and the Philippines	Junta Yanai
15:10 – 15:25	2467	Could biochar and green manure be a substitute for synthetic nitrogen fertilization to guarantee rice grain yield and decrease greenhouse gas emissions?	Mellissa Ananias Soler da Silva
15:25 – 15:40	843	Temporal trends of rice yield in a long-term paddy field experiment and their relations with climate warming	Mizuhiko Nishida
15:40 – 15:55	1096	Nitrogen loss from anammox and denitrification for different fertilization managements in paddy soils	Chuan Qin
15:55 – 16:10	2872	Application of microwave and optical remote sensing data for monitoring wetland agriculture	Adam Csorba
16:10 – 16:15	--	Closing	Conveners



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