



**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 2

Thursday (Aug, 16)		Room "Asia I, II e III"	
<b>C2.3.1</b>		<b>Soil microbiological processes and nutrient cycling under crop rotation</b>	
		<b>Convener:</b> Dr. Susumu Asakawa, Graduate School of Bioagricultural Sciences, Nagoya, Japan.	
		<b>Co-Convener:</b> Dr. Ralf Conrad, Max-Planck-Institut für terrestrische Mikrobiologie, Marburg, Germany.	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	Invited	<i>New approaches for measuring microbial ecosystem services in modern and sustainable agricultural cropping systems</i>	Siu Mui Tsai
15:55 – 16:10	414	Bacterial communities in century-old crop rotations	Newton Lupwayi
16:10 – 16:25	2424	Soil microbial community and enzyme activity in a subtropical Oxisol under long-term no-till and crop rotation	Carlos A. B. Pires
16:25 – 16:40	1015	Soil type affects biological phosphorus cycling more than crop rotation or pasture	Elke Noellemeyer
16:40 – 16:55	1023	Dynamics of AMF spore populations under crop-livestock integration or crop rotation and soybean grain productivity	Heloisa de Cesaro Krzyzanski
16:55 – 17:10	1286	Cover crop impacts on soil microbial populations and mycorrhizal speciation in dryland cotton	Terry Gentry
17:10 – 17:25	2634	Methane emission and dynamics of microbial communities in rice crop rotation systems	Ana Fernandez Scavino
17:25 – 17:40	588	Effect of paddy-upland rotation on methanogenic archaeal community structure in paddy field soil: evaluation by DNA- and mRNA-based analyses	Susumu Asakawa
17:40 – 17:55	2458	Methane production and methanogenic microbial communities in rice field soils as affected by crop rotation and other desiccation stress	Ralf Conrad
17:55 – 18:10	2062	Communities of methanogenic archaeas in different uses of Amazonian soils	Kelly Jaqueline Alves
18:10 – 18:15	--	Closing	Conveners



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