



**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

Monday (Aug, 13)		Room “Capri I”	
<b>C2.2.2</b>		<b>Life on the interphase: interactions between soil geochemical and biological traits</b>	
		<b>Convener:</b> Dr Karen Vancampenhout, Cluster for Bioscience Engineering Technology, Geel, Belgium.	
		<b>Co-Convener:</b> Dr. Beat Frey, Swiss Federal Research Institute WSL, Birmensdorf, Switzerland.	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	Invited	<i>Soil organic matter characteristics in relation to geochemical and biological factors</i>	Georg Guggenberger
15:55 – 16:10			
16:10 – 16:25	575	Soil faunal impact on litter decomposition and soil in cover crop system: effect of beetle larvae ( <i>Gametis jucunda</i> ) assessed by physical fractionation, micromorphology, and biochemical assay	Hiroko Nakatsuka
16:25 – 16:40	2286	Response of P-cycling microbial communities during soil genesis and ecosystem development along a 6500 year chronosequence under lowland temperate rainforest in New Zealand	Kari Dunfield
16:40 – 16:55	2459	The activity of acid phosphatase as a proxy of the interaction between soil microbial diversity and arbuscular mycorrhizal fungi	Bruna Arruda
16:55 – 17:10	760	Soil-vegetation relationships and patterns of species distribution on Dry Forests at Carajás, islands from Brazilian Eastern Amazonia	Jaquelina Alves Nunes Faria
17:10 – 17:25	1056	Evaluation of direct application of Spent Coffee Grounds as soil improvers in short term growth studies	Temma Carruthers-Taylor
17:25 – 17:40	925	Influence of cattle grazing on soybean rhizosphere on its levels of soluble and exchangeable potassium in the soil	Tauana Ferreira de Almeida
17:40 – 17:55	2143	Natural concentration of barium in soils and Brazilian nuts from Amazon region	Ediu Carlos da Silva Júnior
17:55 – 18:10	--	Closing	Conveners



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