



**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

Friday (Aug, 17)		Room "Oceania IX e X"	
<b>C2.5.1</b>		<b>Soil interfacial reactions and their control of biogeochemical cycles</b>	
		Convener: Dr. Siobhán Staunton, INRA, Montpellier, France.	
		Co-Convener Dr. Jeferson Dieckow, UFPR, Curitiba, Brazil.	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	Invited	<i>Role of surface interactions on the organic matter composition and content in tropical and subtropical soils</i>	Deborah Dick
13:55 – 14:10			
14:10 – 14:25	2722	Affirmation of the Existence of Humic Substances and Humin and their Importance in the Interfacial Reactions of Soil Organic Matter	Roger S. Swift
14:25 – 14:40	718	Microbial community composition structured by pyrogenic organic matter regulates the soil carbon and nitrogen transformation processes	Jianming Xu
14:40 – 14:55	524	Succession and resource partitioning of bacterial and fungal communities at different biogeochemical interfaces	Ellen Kandeler
14:55 – 15:10	2324	Precipitation and soil moisture: drivers of redox potential, iron reduction, and carbon decomposition in a tropical forest soil in Puerto Rico	Diego Barcellos
15:10 – 15:25	868	Soil carbon dynamics affected by changes in soil water repellency	Emilia Urbanek
15:25 – 15:40	690	An Investigation of Organic Matter Quality and Quantity in Acid Soils as Influenced by Soil Type and Land Use	Qinhua Shen
15:40 – 15:55	--	Closing	Conveners



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