



**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

## POSTER SESSION – DIVISION 2

Tuesday (Aug, 14)		TOTEN 20	
<b>C2.2.3</b> <b>C2.3.1</b>		Soil and water pollution: dynamics and evaluation Soil microbiological processes and nutrient cycling under crop rotation	
Schedule	ID	Title	Presenter
13:30 – 13:40	2381	Variable surface charge Humic acid-ferrihydrite composite: Influence of electrolytes on Ciprofloxacin adsorption process	Monica Antilen
13:40 – 13:50	1927	Acacia changes litter and soil microbial indicators associated with C and N cycling in intercropped Eucalyptus plantations	Bruna A. B. Lopes
13:50 – 14:00	308	Acid phosphatase activity and removing and replaced the rainforests with pine forests, annual or perennial crops	Arzuaga, Silvia Amanda
14:00 – 14:10	1535	Agricultural soils zoomed in: response of nitrogen-cycling microorganisms and nitrous oxide emissions to stabilized N-fertilizers	Micaela Tosi
14:10 – 14:20	1456	Agronomic efficiency of nitrogen-fixing bacteria in symbiosis with cowpea	Márcia Rufini
14:20 – 14:30	2555	Are soil microbial community associated with irrigation management practices? - A potato production case study.	Thiago Gumiere
14:30 – 14:40	3222	Association between soil biological attributes and coffee yield in the Cerrado Region of Minas Gerais State	Silvia Maria de Oliveira Longatti
14:40 – 14:50	193	Breaking paradigms for agricultural sustainability utilizing plant-growth promoting bacteria and their metabolites: perspectives for the next decade	Mariangela Hungria
14:50 – 15:00	533	Changes in activity of soil microbial community is altered due to plant invasion on the ecosystems of eastern Slovakia	Lenka Bobuřská
15:00 – 15:10	919	Co-inoculation of Rhizobium and Bradyrhizobium on common beans ( <i>Phaseolus vulgaris</i> ) enhances plant growth and nodulation	Rafael de Almeida Leite



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