



**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 “Europa”	
<b>C3.2.6</b>		<b>Agricultural management to protect soil resource to support a growing population - II</b>	
		<b>Convener:</b> Ciro Antonio Rosolem, Faculty of Agronomic Sciences –São Paulo State University - FCA/UNESP. Botucatu, SP, Brazil, E-mail: rosolem@fca.unesp.br	
		<b>Co-Convener:</b> Laila Yesmin. Manitoba Biotechnology Limited & Visiting Scientist, University of Waterloo, Waterloo, Canada. E-mail: yesminl@mymts.net. Fernando Cesar Bachiega Zambrosi. Agronomic Institute of Campinas (IAC), Campinas, Brazil. E-mail: zambrosi@iac.sp.gov.br	
Schedule	ID	Title	Presenter
13:30 – 13:40	--	Opening	Conveners
13:40 – 13:55	191	Green economy improved soil water productivity in drylands of China	Wentai Zhang
13:55 – 14:10	194	Intercropped Woody Species in the Sahel to Resist Drought: Agronomic Performance and Soil Quality	Richard Dick
14:10 – 14:25	1814	Nitrogen budget in an intensively farmed peri-urban region	S. Bittman
14:25 – 14:40	1872	Lignite amendment of feedlot manure: mechanism for nitrogen retention and dynamics during composting	Robert Impraim
14:40 – 14:55	2313	Evaluation and Quantification of Environmental Sustainability of Different Tillage Treatments in South Texas.	Andrea Maeda
14:55 – 15:10	2708	Meeting Global Agricultural Demands with Sustainable Phosphorus Management	Heidi Peterson
15:10 – 15:25	2763	Mixed/intercropping systems as a new paradigm for soil resilience, sustainable food and economic sovereignty.	Mikael Motelica-Heino
15:25 – 15:40	3077	Evaluation of the water footprint under production tecnificada of guava (Psidium guajava) in the Valley of the Cauca (Colombia - South America)	Ana Maria Trejos Arana
15:40 – 15:55	--	Closing	Conveners



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