



**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

Thursday (Aug, 16)		TOTEN 14	
C2.3.3		Rhizosphere mineral dynamics: soil-plant-microorganism	
Schedule	ID	Title	Presenter
13:30 – 13:40	1115	Microaerophilic iron-oxidizing bacterial community in the bulk soil and rhizosphere of paddy field	Takeshi Watanabe
13:40 – 13:50	3178	pH and extracellular flux of protons in hyphae of <i>Pisolithus albus</i> and <i>Pisolithus tinctorius</i> grown at different doses of solid particulate iron material	Isabelle Faria Matos
13:50 – 14:00	2268	Phosphate solubilization by fungi under saline stress	Laura Vieira Xavier
14:00 – 14:10	2135	PHOSPHATE-SOLUBILIZING BACTERIA ASSOCIATED WITH SOIL AND RHIZOSPHERE OF CASSAVA ( <i>MANIHOT ESCULENTA</i> ).	Erivaldo Lopes Isidio
14:10 – 14:20	1799	Phosphorus spatial distribution and speciation using low energy $\mu$ -XRF and $\mu$ -XANES in the rhizosphere of an artificial soil experiment	Luis Carlos Colucho Hurtarte
14:20 – 14:30	2411	Poor seed germination and seedling emergence of wet-direct seeded rice seeds are partly induced by several aromatic carboxylic acids produced in the submerged soil	Shinsuke Mori
14:30 – 14:40	1331	Soil carbon cycling enzymes in ectomycorrhizal fungi under heavy metal stress	Gilka Rocha Vasconcelos da Silva
14:40 – 14:50	698	Soil chemical changes after annual pasture species cultivated as mono- and intercrop and in response to phosphorus fertilization	Corina Carranca
14:50 – 15:00	926	Soil macrofauna in arboreal caatinga area managed at the southwest of Bahia	Priscila Silva Matos
15:00 – 15:10	1995	Solubilization of inorganic phosphate by the bacterium UAGF14 <i>Pseudomonas mosselli</i> under hydric stress, saline stress and different carbon sources.	J.M.M. Silva



**Brazilian Soil Science Society**



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