



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 17	
C2.4.3 C2.5.1		Influence of biological process in mineral formation Soil interfacial reactions and their control of biogeochemical cycles	
Schedule	ID	Title	Presenter
13:30 – 13:40	553	Crystal-chemical transformations and iron reduction in clay minerals of two Brazilian mangrove soils	Gabriel Ramatis Pugliese Andrade
13:40 – 13:50	726	Mineral-life interaction in the soil environment	Javier Cuadros
13:50 – 14:00	1804	Physical and mineralogical changes of the soil by the action of termites	Tatiele Fruett Dos Santos
14:00 – 14:10	2036	A molecular dynamic study of water molecule on mica surface under different surface electrical field strength	Qinyi Li
14:10 – 14:20	1101	An improved method to synthesize pure allophane	Yang Li
14:20 – 14:30	695	Application of biocomposites with Fe hydroxide and extremophilic red microalgae on Pb removal	Yu-Ting Liu
14:30 – 14:40	2420	Availability of phosphorus in Oxisols in function of incubation time and remaining phosphorus	Tainah Manuela Benlolo Barbosa
14:40 – 14:50	255	Can leguminous trees increase soil phosphorus availability? A link between the P and N cycles in tropical forests and agroforests of Brazil	Antonio Carlos Gama-Rodrigues
14:50 – 15:00	2897	Carbon contents in aggregates under black oat cultivation in the municipality of Nova Friburgo RJ	Douglath Alves Corrêa Fernandes
15:00 – 15:10	297	CO ₂ efflux over a hill with different water contents due to heterogeneities in soil texture	Tiago de Carvalho Pessoa



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