



**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 16	
<b>C2.4.1</b> <b>C2.4.2</b>		Dynamic minerals: shifts in soil mineral composition as a result of soil use and management over the human time scale New techniques for advanced mineral studies	
Schedule	ID	Title	Presenter
13:30 – 13:40	1676	Physiological quality of the first sequeiro of sugarcane in the function of potassic fertilization	Frederico Simões Raimundo de Lima
13:40 – 13:50	2082	Potassium release from organic black shales used as remineralizers: effect of size fraction and acid extractors	Jacqueline Kochan Lepchak
13:50 – 14:00	2941	SOIL CHARACTERIZATION, CLASSIFICATION AND FORMATION ON SEDIMENTARY LITHOLOGY IN GRAVATAI MUNICIPALITY, RIO GRANDE DO SUL STATE.	Tatiana Finato
14:00 – 14:10	2958	Analysis of the mass attenuation coefficient in granulometric fractions of soils and their effects regarding the mineralogical properties of each fraction	Luis Valério Prandel
14:10 – 14:20	2945	Elemental release analysis of Polyhalite using micro X-ray fluorescence	Wilfrand Ferney Bejarano Herrera
14:20 – 14:30	1587	Hematite and goethite proportion in soils of Rio Grande do Sul, Brazil	Keyrauan Taha
14:30 – 14:40	2448	Iron oxide Nanoparticles in clay fraction of tropical soils from Peru: Study by X-ray diffractometry and Mössbauer spectroscopy	Mirian Mejia S.
14:40 – 14:50	2024	Magnetic susceptibility on study of Oxisol derived from sandstone in Brazilian Cerrado	Ronny Sobreira Barbosa
14:50 – 15:00	2113	XANES spectroscopy in the study of iron oxides of an Indian Black Earth, Amazonia - Brazil	Anderson Almeida Pacheco
15:00 – 15:10	2645	Impact of eucalyptus plantation on an Ultisol on chemical properties	Estéfane Chaves



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