



**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 1

Tuesday (Aug, 14)		TOTEN 8	
<b>C1.5.2</b> <b>C1.5.3</b>		Crucial techniques for the critical zone: Soil morphometrics, monitoring & modeling Reconciling pedometrics and pedology	
Schedule	ID	Title	Presenter
13:30 – 13:40	2054	Soil cation exchange capacity and sum of bases prediction from pXRF and laboratory analysis in Brazil	Michele Duarte de Menezes
13:40 – 13:50	2131	Spatial dependence structure of the soil saturated hydraulic conductivity along a Brazilian watershed transect	Luana Nunes Centeno
13:50 – 14:00	1866	Evaluation of spectral analysis models for determination of soil attributes	Márcio Rocha Francelino
14:00 – 14:10	957	Using the Toposhape algorithm as a tool to automatic generation of terrain variables applied to digital soil mapping in a watershed	Mara de Andrade Marinho
14:10 – 14:20	565	A detailed soil weathering evaluation of profiles from parent material to soil by proximal sensing (gamma ray, X ray, hyperspectral vis-nir-swir-mir)	Clécia Cristina Barbosa Guimarães
14:20 – 14:30	2237	Characterization of the magnetic susceptibility and its correlation with the chemical attributes in the Cerrado region	Sammy Sidney Rocha Matias
14:30 – 14:40	2232	Chemical attributes characterization in soil of Barreiras of Piauí city, Brazil	Sammy Sidney Rocha Matias
14:40 – 14:50	1250	Distribution of the soils in the watershed of the São Francisco Verdadeiro river, watershed of the Paraná III - state Paraná - Brazil	Bruno Aparecido da Silva
14:50 – 15:00	2186	Environmental covariates selection by mathematical algorithm for digital soils mapping of mountainous relief area	Martin Meier
15:00 – 15:10	967	Estimation of sediment moisture with terrestrial laser scanner data	Felipe Carvalho Santana



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