



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

Monday (Aug, 13)		TOTEN 18	
C2.1.2		The role of soil physics in water conservation and food security	
Schedule	ID	Title	Presenter
13:30 – 13:40	2302	Are shallow impermeable layers beneficial for vegetation function in the semi-arid zone?	Alexandre Tadeu Brunello
13:40 – 13:50	1599	Artificial neural networks to estimate soil moisture content under corn in integrated crop-livestock-forest system	Vinicius Marchioro
13:50 – 14:00	1916	Characterization of soil physical attributes in degraded slope for revegetation purposes	Fábio Ribeiro Pires
14:00 – 14:10	997	Climate change impact on groundwater quantity under different land management systems in Central Sand Area of Wisconsin, USA.	Birl Lowery
14:10 – 14:20	204	Cover plants on the control of soil water content in sugar cane areas	Ingrid Nehmi De Oliveira
14:20 – 14:30	2617	Data assimilation techniques for retrieving soil moisture in root-zone by using a combination of satellites.	Uvarov M.V.
14:30 – 14:40	1263	Effect of Afforestation of Marginal Lands on Infiltration and Penetration Resistance	Thomas J. Sauer
14:40 – 14:50	841	Effect the runoff harvesting collection area shape on the efficiency of the water conservation in the soil profile	Pedro Berliner
14:50 – 15:00	324	Effects of solute type and mineralization on soil salt ions during the release water process	Quanen Guo
15:00 – 15:10	658	Establishment of critical soil water potential tresholds for water stress deficit in Carica Papaya	Róger Armando Fallas Corrales



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