



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

DIVISIONAL SIMPOSIUM – DIVISION 4

Thursday (Aug, 16)		Room “Capri V”	
C4.3.1		Ecological soil management systems and soil quality	
		Convener: Heitor Mancini Teixeira, Wageningen University and Research Centre, Wageningen, The Netherlands and Soil Department, Federal University of Viçosa, Viçosa, Minas Gerais, Brazil	
		Co-Convener: Fernanda de Paula Medeiros, Soil Department, Federal University of Viçosa, Viçosa, Minas Gerais, Brazil	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	2505	Changes in soil organic carbon stocks across the Forest-Agroforest-Agriculture/Pasture continuum in various agroecological regions	Ramachandran PK Nair
15:55 – 16:10	1007	Chemical and physical attributes for quality assessment of soils from forest areas altered by the use of pasture and agriculture in the northern Amazonia	Luciana da Silva Barros
16:10 – 16:25	2594	Establishment of a Silvopastoral System with selection of native forest species, consortiated with Brachiaria (Brachiaria brizantha) cv. Marandú and Mucuna negra (Mucuna pruriens), in the Chiquitano Dry Forest Biome, Chiquitania Region of Bolivia.	Ricardo Suárez Mejía
16:25 – 16:40	2060	Microbial activity and physicochemical traits of floodplain soils affected by tailings deposition from the Fundão dam breach, Minas Gerais, Brazil	Helena Santiago Lima
16:40 – 16:55	946	Optimization of landscape structure and land use by designed method combining GIS and artificial intelligence approaches	Marek Bednář
16:55 – 17:10	1449	Soil biotic contributions to nitrogen fertility in manure-amended agroecosystems: perspectives and practical implications for humid temperate regions	Joann Whalen
17:10 – 17:25	810	Soil macrofauna as indicator to recover degraded pastures with cover crops and agroforestry systems	Julio Alegre
17:25 – 17:40	1441	Soil organic matter properties and greenhouse gas emissions in tropical peatlands under land use change	Louis-Pierre Comeau
17:40 – 17:55	960	Valuation of soil ecosystems services under different restoration models in a tropical hotspot	Katarzyna Korys
17:55 – 18:10	--	Closing	Conveners



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