



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 3

Thursday (Aug, 16)		Room "Galápagos II"	
C3.5.2		Native metallophytes from mine spoils as a potential source for phytoremediation	
		Convener: Jaume Bech, University of Barcelona, Barcelona, Spain, E-mail: jaumebechborras@gmail.com	
		Co-Convener: Maria Manuela Abreu, Instituto Superior de Agronomia, University of Lisbon, Lisboa, Portugal, E-mail: manuelaabreu@isa.ulisboa.pt	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	453	Arbuscular mycorrhizas differentially alter uptake dynamics under toxic soil concentrations of Cd and Zn in <i>Populus trichocarpa</i> .	Vinicius Henrique De Oliveira
15:55 – 16:10	1262	<i>Dicranopteris dichotoma</i> : a rare earth elements (REEs), aluminum (Al) and silicon (Si) hyperaccumulator	Wen-Shen Liu
16:10 – 16:25	510	Effect of Pb mining activities on soil properties, heavy metal levels and plant uptake in two communities of Ebonyi State, Nigeria	Olayinka I. Nwachukwu
16:25 – 16:40	815	Hyperaccumulator identified from native weed species and its hyperaccumulation mechanism	Wei Shuhe
16:40 – 16:55	1854	Influence of fly ash application and mycorrhiza inoculation on heavy metals availability and survival of different <i>Acacia</i> species in heavy metal contaminated soils from Selebi-Phikwe, Botswana	Venecio U. Ultra, Jr.
16:55 – 17:10	2561	Native species of ultramafic massif of Barro Alto, GO, Brazil, can successfully be used to revegetate Ni mine spoil heaps	Leide R. M. de Andrade
17:10 – 17:25	630	Phytoremediation of Chilean copper mine tailings with <i>Atriplex halimus</i> , adding humic substances and magnetite.	Yasna Tapia
17:25 – 17:40	1759	Rare earth elements fractionation in soil-plant system during phytoextraction of ionic REEs mine tailings using <i>Phytolacca americana</i> L.	Ming Yuan
17:40 – 17:55	--	Closing	Conveners



International Union of Soil Sciences



S L C S



Brazilian Soil Science Society



2015
International
Year of Soils