



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 SYMPOSIUM – DIVISION 3

Tuesday (Aug, 14)		Room “Bora-Bora III”	
C3.5.1 C3.5.5 C3.5.6	Behavior and regulation of radionuclides in soil-plant system: Long term countermeasure for the renovation of agriculture		
	Radionuclides in soils: pollution sources and sustainable remediation approaches		
	Biogeochemical fate of radiocesium in terrestrial environment: Advances after the Fukushima accident		
		Convener: Takuro Shinano, Agricultural Radiation Research Center, TARC/NARO, Fukushima, Japan, E-mail: shinano@affrc.fo.jp; Elena Korobova, Vernadsky Institute of Geochemistry and Analytical Chemistry, Russian Academy of Sciences (GEOKHI RAS), Geochemical Dept. Moscow, Russian Federation, E-mail: korobova@geokhi.ru; Jaume Bech, University of Barcelona, Barcelona, Spain, jaumebechborras@gmail.com	
		Co-Convener: Atsushi Nakao, Department of Life and Environmental Sciences, Kyoto Prefectural University, Kyoto, Japan, E-mail: na_4_ka_triplochiton@kpu.ac.jp Leonid Rikhvanov, Institute of Natural Resources, National Research Tomsk Polytechnic University. Moscow, Russian Federation. rikhvanov@tpu.ru	
Schedule	ID	Title	Presenter
15:30 – 15:40	--	Opening	Conveners
15:40 – 15:55	2725	Agricultural countermeasure against nuclear disaster	Takuro Shinano
15:55 – 16:10	1842	Assessment of transfer risk of radiocesium in decontaminated agricultural land in Tomioka town, Fukushima prefecture, Japan	Kohei Kurokawa
16:10 – 16:25	562	Radioactivity in soils of the state of Rio de Janeiro, Brazil: radiological characterization, correlation with environmental conditions and Quality Reference Values	Fernando Carlos Araujo Ribeiro
16:25 – 16:40	3224	Mica in Asian dust as a natural amendment to increase soil ability to retain radiocesium	Atsushi Nakao
16:40 – 16:55	823	A simple method using rice seedlings to predict ¹³⁷ Cs concentration in brown rice and to estimate appropriate amounts of potassium fertilizer for each paddy field	Shigeto Fujimura
16:55 – 17:10	2838	Study on extraction and adsorption of cesium from contaminated soil in flexible container bag.	Keiichiro Shibata
17:10 – 17:25	1035	Mobility of radiocesium from specific sorption sites in agricultural soils in northeastern Japan	Takeda, A.
17:25 – 17:40	2262	Integrated Nutrient Management in Remediation of Crude Oil Polluted Soils in Forest Ecological Zone of Delta State	Aboh, S. I
17:40 – 17:55	3238	Thyroid diseases as a complex natural and technogenic geochemical problem and approaches towards their effective prevention and elimination	Elena Korobova
17:55 – 18:10	--	Closing	Conveners



Brazilian Soil Science Society



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