Japan Geoscience Union Meeting 2012
(May 20-25 2012 at Makuhari, Chiba, Japan)

MAG34-P15 Room:Convention Hall Time:May 24 17:15-18:15

Distribution and movement of fallout radionuclides in throughfall, stemflow, and litterfall in a forested area

KAWAMORI, Ayumi[1*], ONDA, Yuichi[1], KATO, Hiroaki[1], Taeko Wakahara[2], Keigo Hisadome[1]

[1]Graduate School of Life and Environmental Sciences, University of Tsukuba, [2]Tokyo University of Agriculture and Technology

Due to the Great East Japan Earthquake occurred on March 11, 2011, radionuclides such as Cs-134 and Cs-137 was released into the atmosphere from the Fukushima nuclear plant. It is important for carrying out the decontamination work to elucidate the dynamics of fallout radionuclides by water and/or soil particles. In this study, we aimed to understand the distribution and movement of fallout radionuclides in a forested area. We collected throughfall, stemflow, litterfall and measured the concentration of Cs-134 and Cs-137 using a Gamma-ray spectrometer.