

[W1E] Session E. Radiation in Environment, Space	
Date / Time	December 7 (Wed.), 2022 / 13:00-14:20
Place	Auditorium (2F)
Chairpersons	Dr. Hui-Jeong GWON (KAERI) Dr. Mee JANG (KAERI)

W1E_01

[INVITED]

13:00-13:20

Ultra-Sensitive Determination of Atmospheric Iodine-129 and Its Species Using Accelerator Mass Spectrometer

Luyuan Zhang¹, Xiaolin Hou¹, Tong Zhang², Miao Fang¹, Hyuncheol Kim³, Huan Jiang², Ning Chen¹, Peng Cheng¹, Yunchong Fu¹, Qi Liu¹

¹Chinese Academy of Sciences, China, ²Xi'an Institute for Innovative Earth Environment Research, China

W1E_02

13:20-13:40

Enhanced Biodegradation of Plastic Polymer with Microorganisms Using the Radiation-Induced Oxidation

Jong-Hyun Jung¹, Kwang-Woo Jung¹, In-Tae Hwang¹, Sangyong Lim¹, Hui-Jeong Gwon¹, Myung-Ji Seo²

¹Korea Atomic Energy Research Institute, Republic of Korea, ²Incheon National University, Republic of Korea

W1E_03

13:40-14:00

Optimization of the Rapid Method for ⁹⁰Sr Determination in Seawater Using DGA Resin

Gahyun Kim^{1,2}, Sang-do Choi¹, Heewon Kim¹, Jong-Myoung Lim¹, Hyuncheol Kim^{1,2}

¹Korea Atomic Energy Research Institute, Republic of Korea, ²University of Science and Technology, Republic of Korea

W1E_04

14:00-14:20

Identification of Gamma Emitting Natural Isotopes in Environmental Sample Spectra: An Artificial Neural Network Approach

Bharathi Paleti, G Hanumat Sastry

University of Petroleum and Energy Studies, India