

List of content

Foreword.....	3
Full articles	
Simulation of the influence of the Radium concentration in soil and Radon concentration in air on the response of a NaI detector aboard of a drone Alegría N. and Legarda F.	4
An improvised method for Carbon-14 measurement in gaseous effluents Bharath R. S. et al.	7
Mathematical modelling of the impacts of Chernobyl nuclear power plant accident on Turkey..... Bilgiç E. and Gunduz O.	9
Study of radioactivity in arctic marine seaweed from Kongsfjorden (Svalbard)..... Gordo E. et al.	14
Natural radioactivity and its associated radiological hazards at seila area south eastern desert, Egypt..... Hanfi M. Y. et al.	17
Contribution of environmental radionuclides to radiological hazard effects due to surface soils collected from Amman Governorate, Jordan..... Hamideen M. S.	22
The change in characteristics of soil and Cs elution by heat treatment Ikegami M. et al.	25
Analysis of increased radiocaesium activity derived from Fukushima Dai-ichi Nuclear Power Plant accident until 2017 Inomata Y. et al.	27
Evaluation of the consequences after potential accidents with the Russian nuclear submarine K-27 in the Arctic marine environment..... Iosjpe M. et al.	31
Evaluation of the activity of the high activity particles in the intertidal beach region near the Sellafield nuclear facilities after long-term exposure..... Iosjpe M. et al.	35
Natural radiation exposure in geothermal power plant in the Philippines Iwaoka K. et al.	39
Comparative analysis of active and passive dosimetry systems used in environmental gamma radiation monitoring.... Jakab D. et al.	42
Atom counting of long-lived radionuclides using neutron activation analysis Kučera J. et al.	46
Application of natural and artificial radionuclides for evaluation of sedimentation rate in the lake Khuko (West Caucasus)..... Kuzmenkova N. et al.	50
Radionuclide determination by Accelerator Mass Spectrometry (AMS) in materials from decommissioning of nuclear facilities López-Gutiérrez J. M. et al.	54
“Promoting technical cooperation among radioanalytical laboratories for the measurement of environmental radioactivity” – an International Atomic Energy Agency (IAEA) Technical Cooperation project RAF/7/017 Louv I. et al.	58
Follow up the leaching efficiency of uranium series from high-grade granite sample with high concentration of sulfuric acid Nada A. et al.	60
Simulation of ^3H concentration in coastal waters discharged from the spent nuclear fuel reprocessing plant in Rokkasho, Japan: Effects of input forcing data on simulation results Oshima K. et al.	65

Developing of the radioecological monitoring system of atmospheric air, terrestrial and freshwater ecosystems in the vicinity of Rooppur NPP (People’s Republic of Bangladesh) 69
 Panov A. V. et al.

Dose rate assessment at the submarine spring of Anavalos using ERICA Tool, Greece..... 74
 Pappa F. K. et al.

Radon activity concentration assessment in Pozalagua Cave 77
 Rozas S. et al.

Exposure build-up factor studies of biological matrices in photon energies 0.05 to 3 MeV. 79
 Saleh H. H. and Sharaf J. M.

A study on control of radioactive Cs elution from incineration fly ash by mixing soil 83
 Shimada Y. et al.

Removal of heavy metals from contaminated water using nano-magnetic Prussian blue based on graphene oxide sorbent 85
 Uogintè I. et al.

Natural radioactivity in sediments along the middle region of red sea coast, Egypt 89
 Zakaly H. M. et al.

Invited abstracts 94

Oral abstracts 116

Poster abstracts 225

The contributions are listed alphabetically.