

POSTER SESSIONS

Poster session 1

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TOPIC	2	Poster session	1
RADIOMETRICS			
01	Darwish	Al-Azmi	
Background radiation measurements in Kuwait			
02	MEDKOUR ISHAK-	Ghania	
Radioactive sources used in mining explorations and environmental risks			
03	Daniel	Gurganus	
High sensitivity measurement of ^{238}Pu with uranium tracer for interference correction by thermal ionization mass spectrometry			
04	Minju	Lee**	
A consideration of the measurement of ^{241}Am in the environmental samples using gamma spectrometry			
05	Wanno	Lee^	
Recent research on the real-time detection system for environmental radiation at Daedeok nuclear facility in Korea			
06	Jong-Myoung	Lim	
Method validation of ^{14}C in the environmental samples with LSC and AMS			
07	Zhang	Yan	
Age-dating for ^{137}Cs by Gamma Spectrometer combined with ICP-MS			
08	RAFAEL	Garcia-Tenorio	
Development of procedures to be applied by the laboratories belonging to the Spanish Environmental Radiological Surveillance Network in "special" situations			
09	Anna	Cwanek	
Pushing the sensitivity limit of quadrupole mass spectrometry ICP MS/MS for plutonium isotopes			
10	Hong-Chun	Li	
Detecting heavy metal pollution events recorded by a sediment core from Ker-Ya River in NW Taiwan: Scanning XRF and ICP-OES methods			

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11 Marcelo Francis Máduar
Analysis of gamma-ray spectra from environmental samples using open source tools

12 Juan Mantero Cabrera
RaPCUBES: An open (free and friendly) software (interface) for solving radioactive series

13 Ileana Radulescu
From NaI to CeBr₃ detectors for internal contamination dosimetry research

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TOPIC	8	Poster session	1
NORM			
01	Marcelo	Bessa Nisti	Radiation dose assessment in biota and human beings from NORM residue in the circular economy
02	Kil Yong	Lee-	Natural radioactivity and radon emanation coefficient of various rocks used in building materials
03	Ivanka	Lovrenčić Mikelić	⁴⁰ K, ²²⁶ Ra, ²³² Th, ²³⁸ U, and radiological risks in surface soil around the Plomin thermal power plant (Istria, Adriatic Sea, Croatia)
04	Messouli	Mounia	Assessment of radioactivity content in raw and manufactured building materials in Morocco analysed by high resolution gamma-ray spectrometry
05	Gazmend	Nafezi	Natural radioactivity and radon exposure levels in spas in Kosovo
06	Ana Lía	Noguera Rocha	Distribution of natural radionuclides in horticultural systems due to phosphate fertilization in Uruguay
07	Akihiro	Sakoda	In-situ measurement of radon and thoron exhalation rates from interior walls in a Japanese building
08	Omar	Saleh	Abstract
09	Grzegorz	Szaciłowski	Studies on procedure for thorium determination in NPK and micronutrient fertilizers
10	Nanping	Wang	Relationship between indoor radon concentration and soil radon concentration and soil uranium and radium content in Urumqi City

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11 ALEJANDRO BARBA LOBO

Definition and assessment of the pollution indexes for radionuclides in the Biosphere Reserves of the Odiel Saltmarshes (Southwestern Iberian Peninsula)

12 Paulo da Silva

Activity concentration of natural radionuclides (^{238}U , ^{226}Ra , ^{232}Th , ^{228}Ra , ^{210}Pb and ^{40}K) in soil amended with niobium tailings

13 Francisco Javier Guillén Gerada

Assessment of environmental radiological impact of naturally occurring radionuclides in former metallic mining sites in Extremadura (Spain)

14 Elin Ohlin

DEPOSIT AND ROOT UPTAKE OF ^{238}U , ^{232}Th , ^{226}Ra AND ^{228}Ra IN BERRIES AND THEIR FOLIAGE FROM AREAS WITH ELEVATED LEVELS OF NATURALLY OCCURRING RADIOACTIVITY

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TOPIC 13 Poster session 1

RADIONUCLIDES IN BIOTA

- 01 Francisco Javier Guillén Gerada
Distribution of tritium within different tissues of freshwater carps from a cooling reservoir of a Nuclear Power Plant in a Mediterranean ecosystem
- 02 Han Baohua
Interception of wet-deposited radiocaesium and radiostrontium on eggplant
- 03 Huisu Lee*
Recent trends on bioaccumulation of artificial radionuclides(^{137}Cs , $^{239+240}\text{Pu}$ and ^{90}Sr) in marine organisms from Koreaseas: A comprehensie review
- 04 Juan Mantero Cabrera
Anthropogenic and natural radionuclides in moss samples from Sweden 30 years after the Chernobyl accident
- 05 Aleksandra Moniakowska
Are the accumulated ^{210}Po and ^{210}Pb in Polish wild herbs safe for consumers?
- 06 Dagmara Strumińska-Parulska
On the occurrence and related dose assessment from ^{210}Po and ^{210}Pb in Ukrainian wild medicinal plants
- 07 Per Törnquist
Measurements of ^{90}Sr , $^{239+240}\text{Pu}$ and ^{241}Am in white-tailed eagles in Sweden and Poland
- 08 ibtisam Yusuf
URANIUM CLEARANCE KINETICS IN HAIR AFTER THE CESSATION OF CHRONIC WORKPLACE EXPOSURE
- 09 KARUNAKARA NAREGUNDI
NE-OBT and TFWT in terrestrial biota in the vicinity of the PHWR nuclear power plant at Kaiga, India

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RADIOECOLOGY			
01	Cristina	Bañobre Miguélez	Identification and characterization of the radioactive fraction in black sands
02	Stefan	Bister	Radioecological investigation of a contaminated site in southern Germany
03	Maria Hanane	El Hassane	Radiopharmaceutical waste and its impact on the environment
04	Olga	Jefanova	Anthropogenic and natural radionuclides in soil profiles of forest ecosystem in vicinity of the BelNPP
05	Małgorzata	Kazimierowicz	Characterization and assessment of ^{137}Cs , ^{90}Sr and ^{40}K radioactivity of five species of herbs collected in two regions of central Poland
06	Marguerite	Monfort	Presentation of the CERES platform used to evaluate consequences on population of releases of pollutants
07	Martina	Novakova	Vertical distribution of Cs-137 in uncultivated soil at selected sites in the Czech Rep
08	Shaoming	Pan	Radio-caesium and Pu isotopes in the sediment cores in Yunnan plateau lakes, Southwest China: Distribution and source identification
09	Andrius	Puzas	^{137}Cs and Isotopic Pu “Zero Point” Screening for Potential Anthropogenic Radionuclide Fall-out in Eastern Lithuania
10	Jose Antonio	Trinidad Ruiz	30 years of National Network for Environmental Radiological Surveillance in the Atmosphere and Terrestrial Environment

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11 Bernardo Salas Mar
Questioning to disposal of spent fuel at the Laguna Verde Nuclear Power Plant- Mexico

12 Francisco Javier Santos Arévalo
Determination of biobased carbon content in Argentine industry products by AMS

13 Kamil Szewczak
Biochar as a potential material for soil environmentdecontamination at agriculture areas

14 Hideki Tsuji
Effects of NH₄⁺ Origin on ¹³⁷Cs desorption from Lake Sediments

15 Ignacio Vioque
Transuranic signals in rabbit feces collected at the contaminated terrestrial site of Palomares (Spain)

16 Yoon Yeol Yoon
Tritium Distribution of Groundwater near Geum River and Nakdong River Basin in Korea

17 Natalia Alegria
Evaluation of the New Environmental Radiological Surveillance Network of the Basque Country

18 Xiaolin Hou
Behaviour of transuranic (Np, Pu, Am) and fission products (⁹⁹Tc, ¹²⁹I) in the environment in the Northeast Asia

19 Małgorzata Kazimierowicz
Gross alpha and gross beta radionuclides contamination of surface waters in heavily industrialized areas near Warsaw (central Poland)

20 Edyta Łokas
Temporal and spatial patterns of fallout radionuclides accumulation on Gulkana Glacier, Alaska Range

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21 Aleksandra Moniakowska
On ^{210}Po , ^{210}Pb , ^{40}K , ^{137}Cs , ^{226}Ra and ^{234}Th in algae diet supplements - the assessed radiation hazard of aquatic superfoods

22 Pavel Povinec
Radiocarbon variations in the biosphere with solar activity

23 Francisco Javier Santos Arévalo
Environmental applications of radiocarbon measurement by AMS at the Centro Nacional de Aceleradores (Spain)

24 Yoon Yeol Yoon
Tritium Distribution of Various Groundwater in Korea

25 Pavel Povinec
Fifty-five years of radiocarbon variations studies in Bratislava

26 Ivo Svetlik
Chronological records in animal tissues

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Poster session

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RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT

- | | | | |
|----|--------------|-----------------|--|
| 01 | Hilde Elise | Heldal | Bioconcentration factors (BCFs) and sediment distribution coefficients (Kds) for ¹³⁷ Cs in a sheltered Norwegian fjord system |
| 02 | Tomislav | Ilievski | Radioactivity in agricultural crops and soils from the family farms in Croatia |
| 03 | Marina | Konstantinova | On the influence of soil organic matter on the downward migration of ¹³⁷ Cs and ^{239,240} Pu |
| 04 | Raúl Eduardo | Linares Jiménez | Influence of soil microbiology on radionuclide transport and uptake into plants |
| 05 | Soroush | Majlesi | Transfer of sedimentary carbon into benthic organisms: Implications for disposal of radioactive waste |
| 06 | Concepción | Olondo Castro | Study of the migration of Pu- ²³⁹⁺²⁴⁰ in Spanish soils. |
| 07 | Yelena | Polivkina | Assessment of the influence of edaphic factors on the transfer of artificial radionuclides (cesium-137 and strontium-90) in the soil-agricultural plant system |
| 08 | Nils | Sassenberg | Investigation of the transport and transfer behaviour of I- ¹²⁵ using a laboratory lysimeter with reference soil |
| 09 | Tim | Schmalz | Migration of Technetium in German Reference Soils |
| 10 | Motoki | Terashima | Liquid phase dependence of field distribution coefficients of stable elements between river water and bottom sediments |

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Katsumi

Hirose

Chemical implication of partition coefficient of ^{137}Cs between aqueous and suspended and phases in natural water

12

JALAL

SHARIB

The use of Beryllium-7 as a tracer in-depth penetration study

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QUALITY ASSURANCE AND QUALITY CONTROL

01

Yoonhee

Jung

Development of reference material for the determination of alpha, beta and gamma emitting radionuclides in concretewaste generated from decommissioning of nuclear facility

02

Mai Khanh

Pham

A new Certified Reference Material IAEA-465 for radionuclides in Baltic Sea sediment

03

Abdelmourhit

Laissaoui

Gross alpha and beta activity in non-saline waters using NM ISO 11704: method validation and application to bottled mineral and tap waters from Morocco

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TOPIC	5	Poster session	2
NATURAL RADIONUCLIDES			
01	María	López Pérez	
Natural radioactivity concentrations and radiological risk assessment of pyroclastic products from Tajogaite volcano (La Palma, Canary Islands)			
02	Rico Neil	Quierrez	
Natural Radioactivity of Selected Mineral Deposits in Camarines Norte and Northern Palawan, Philippines			
03	Alexandria	Tanciongco	
Preliminary Baseline of Natural Radioactivity in Selected Active Volcanoes in the Philippines			
04	Cristina	Bañobre Miguélez	
Application of ^{210}Pb as an environmental tracer for hydrological characterization of two shallow coastal lagoons in Uruguay			
05	Grzegorz	Olszewski	
Possibility of ^{210}Po and ^{210}Pb concentration prediction in mineral waters based on their total mineralization			

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TOPIC	6	Poster session	2
FUKUSHIMA, CHERNOBYL AND TG			
01	Sergiy	Dubchak	
Americium and plutonium isotopes in forest ecosystems of the Chornobyl Exclusion zone			
02	Haejin	Kim	
Transport of ¹³⁷ Cs discharged by the Fukushima accident based on a Lagrangian particle tracking model			
03	Hikaru	Miura	
Comparison of cesium-bearing microparticles from marine and terrestrial sources			
04	Pavel	Povinec	
Tritium in seawater of the NW Pacific Ocean: possible effects after releases of contaminated water from the Fukushima site			
05	Michał	Saniewski	
Current radioactive fallout contamination along a trans European gradient assessed using terricolous lichens			
06	YUTAKA	TATEDA	
Bio-availability of radio-caesium in mesoplankton collected from Fukushima coastal waters of 2018 and 2020			
07	Lyubov	Timonova	
The content of tritium in the plant cover of the 'Balapan' site at the Semipalatinsk Test Site			
08	Unai	Abascal Ruiz	
Presence of Fukushima derived radionuclides in the Arctic			

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MODELLING			
01	Antonio	Borràs López	
Airborne radionuclide activity concentration forecast using SARIMA and Exponential Triple Smoothing algorithms			
02	Alexander	Esquivel López	
Estimation of erosion rates using ¹³⁷ Cs in grazing areas of the Panama Canal Watershed.			
03	Mee	Jang	
Evaluation of Response Function for the Beta Detector System using Monte Carlo Simulation			
04	Kyeong Ok	Kim	
Dispersion of particle-reactive elements caused by the phase transitions in scavenging			
05	Sarao	Rozas Guinea	
Radiological environmental impact assessment by Ecolego. Potential reach of accidental discharges from Zaporizhzhia nuclear power plant			
06	Han	Baohua	
The impact of Radioactive effluent from Nuclear facilities on marine organism			
07	Olivier	Radakovitch	
Chaining models for the assessment of the economic impact of a nuclear accident on forestry and aquatic activities			
08	Sebastian	Friedrich	
RADEKOR: Speciation and transfer of radionuclides in the human organism especially taking into account decorporation agents – a joint project			
09	Mohammad Alem	Sultani	
Various approaches to calculate radon exhalation rate for estimation of CO ₂ flux from soil and their verification by experimental measurements			
10	Daisuke	Tsumune	
Distributions and inventory of ¹³⁷ Cs released from multiple sources in a general circulation model			

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TOPIC	10	Poster session	2
ATMOSPHERE			

01 Sandra Damatto
Two years of continuous monitoring of ^7Be and ^{210}Pb in rainfall collected at the IPEN campus, São Paulo, Brazil

02 Charles Doll
Radioxenon as a potential atmospheric tracer for climate studies

03 Aoife Kinahan
Ireland's Updated National Radiation Monitoring Network

04 Júlia Oliveira Castro
Two years of continuous monitoring of ^7Be and ^{210}Pb in rainfall collected at the IPEN campus, São Paulo, Brazil

05 Lucie Švamberová
Back-tracking of radioactive aerosols in the atmosphere with high temporal resolution

06 Tamás Varga
Greenhouse gas Observations at a middle-sized European city, Debrecen, Hungary: CO_2 , CH_4 mole fraction, stable isotope ratio and radiocarbon measurements in different seasons

07 Gabriele Wallner
An attempt to measure the $^{237}\text{Np}/^{239}\text{Pu}$ atom ratios on air filters collected in the early 1960s in Vienna, Austria

08 Antonio Borràs López
Analysis of Gross Beta activity concentration associated to aerosols in Mallorca (Spain) based on Multifractal Detrended Fluctuation Analysis (MFDFA)

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TOPIC 11 Poster session 2

MARINE ENVIRONMENT

01 Beatriz González González

Building a database from radioisotopes measurements: the case of ^{234}Th in seawater

02 Neus Miquel i Armengol

Radiological impact of the submarine volcano Tagoro (Canary Islands) on coastal ecosystem from 2011 to 2020

03 Elin Ohlin

Monitoring the marine environment of naturally occurring radionuclides originating from offshore produced water discharges

04 Junhyeong Seo

Distributions of ^{137}Cs in the Southern Sea of Korea: Preliminary results of onboard measurement in 2022

05 Elena Chamizo

16 years of actinides studies in marine samples in the frame of the IAEA-CNA collaborating agreement

06 Jaeun Lee

Distributions of radiocesium and plutonium in the Korean seas and North Pacific after the Fukushima accident, 2011-2014

07 RAFAEL Garcia-Tenorio

First radionuclide survey in marine environment off the Mauritius coast: levels and distribution of naturally occurring radionuclides and ^{137}Cs in seawater, sediments and biota

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TOPIC 12 Poster session 2

MARINE SEDIMENTS

01 TAIEB ERRAHMAN Djamel

Environmental radiological risk assessment of algae from Algiers coastline

02 ELISA GORDO PUERTAS

Spatial distribution of radionuclides in marine sediments from Djibouti seamounts (Alboran Sea, Western Mediterranean)

03 Grzegorz Olszewski

On the prevalence of ^{242}mAm in sediments collected from the vicinity of a Swedish nuclear facility

04 Marina Sáez Muñoz

Anthropocene dating by radionuclide analysis of estuarine sediments from northern Spain

05 ANA DEL CARMEN ARRIOLA VELASQUEZ

Gamma emitter radionuclides as tracers of sediment dynamics in beach areas: a comparison between in situ and lab-based gamma spectrometry measurements

06 Stefan Bister

Determination of sedimentation rates using Pb-210 and Cs-137 at a renaturalised salt marsh of the Wadden Sea

07 RAFAEL Garcia-Tenorio

Sediment Profiles from Anoxic Regions off the Namibian Coast

08 Dagmara Strumińska-Parulska

^{241}Am in the bottom sediments of the southern Baltic Sea