Oral contributions

01010100	18/09/2023	11:30	13:00	**PLENARY SESSION I**

CHAIRPERSONS Rafael García-Tenorio Xiaolin Hou

1 Tomoko M. Nakanishi

What has been revealed tracing trace radioactive elements after 12 years of Fukushima Nuclear accident — TOPIC

2 Sheldon Landsberger

Overview of neutron activation analysis for environmental radioactivity measurements radionuclides and other pollutants in acid phosphogypsum leachates — TOPIC

3 Brit Salbu

Challenges associated with source term and particle releases — TOPIC

01020101	18/09/2023	14:00	16:00	**Parallel Session 1A**
CHAIRPERSONS	Detlev Degering		Martin Martschini	

1 Kimberly Hinrichs

High Sensitivity Measurement of 238Pu in Environmental and Nuclear Forensics Collections by Thermal Ionization Mass — TOPIC: MASS SPECTROMETRY

2 Thomas Domingo

Enhancing Field-Deployable Detection Technologies for Nuclear Forensics — TOPIC: MASS SPECTROMETRY

3 Anne de Vismes Ott

Integration of the corrections related to the self-attenuation and true coincidence summing effects in the gama-ray spectrum analysis software Genie2000 — TOPIC: RADIOMETRICS

4 José Luis García León

Optimization of a liquid scintillation spectrometer Quantulus GCT 6220 for the measurement of environmental levels of tritium in water samples — TOPIC: RADIOMETRICS

5 João Marcos Fávaro Lopes

Exploratory Analysis of Gamma Spectrometry and EDXRF Applied to SoilRedistribution Evaluation in Agricultural Areas — TOPIC: RADIOMETRICS

6 José Llanes Gamonoso

A practical and general methodology for efficiency calibration of coaxial Ge detectors by using NORM standards — TOPIC: RADIOMETRICS

7 Ileana Radulescu

Major elements, radioactivity assessment and the dose rate in arable and grazing land from south-eastern part of Romania — TOPIC: RADIOMETRICS

8	Isabela Nicomedes Silva Ferreira		
Calibration of High Volume Sampler for determination of radioactive elements in particulate matter of the air		TOPIC	RADIOMETRICS

01020102	18/09/2023	14:00	16:00	**Parallel Session 1B**
CHAIRPERSONS	Jixin Qiao			Olivier Radakovitch

1	Margot Vanheukelom		
The role of soil weathering on radiocesium (137Cs) soil-plant transfer: a pot trial study with soil toposequences		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
2	Edyta Łokas		
Isotopic signatures of plutonium in the global cryosphere		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
3	José María Abril Hernández		
Kinetic reactive transport of radionuclides at the sediment water interface: Numerical model and applications		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
4	Maria Ilie		
A detailed chronology of the sedimentation in the Danube abyssal fan records the major episodes of the late-Holocene Black Sea evolution		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
5	Jixin Qiao		
Pioneering tracer application of anthropogenic U-233 and U 236 in the marine environment		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
6	Ali Hosseini		
Field studies on the influence of environmental factors on I - 131 interception and weathering loss in grass		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT
7	Cheng Xu_		
Phosphorus turnover in the Yangtze estuary and adjacent East China sea usingCosmogenic 32P and 33P		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT

8	Hans-Christian Teien		
Transport and transformation of 137Cs from freshwater to coastal water		TOPIC	RADIONUCLIDE TRANSPORT IN THE ENVIRONMENT

01020201	18/09/2023	16:30	18:45	**Parallel Session 2A**
CHAIRPERSONS	Håkan B.L. Pettersson		Mai Khanh Pham	

1 Amelia Lee Zhi Yi

IAEA-coordinated Research Helps to Improve Quality of Radionuclide Measurements in Arid and Semi-Arid Environments — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

2 Jasmina Kožar Logar

Lessons learned by PT organizer and how can be used by the laboratories in the processes of their improvement — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

3 Annika Klose

Characterization of Am-241 spiked concrete samples as reference material for an alpha emitter remote sensing system — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

4 Evgeny Taskaev

Development of Voluntary Consensus Standards and Measurement Support for NORM / TENORM Applications — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

5 Yanqin Ji

Preparation of polonium-210 and carbon 14 seafood reference material and the labsintercomparison radiochemical analysis — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

6 Bin Feng

Development and application of a passive monitoring network for mapping 3D profiles of airborne HTO inside anuclear facility — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

7 Md Moudud Hasan

A thermoluminescent dosimeter (TLD) method for 137Cs activity concentration profiling — TOPIC — QUALITY ASSURANCE AND QUALITY CONTROL

8	Raquel Idoeta Hernandorena		
	Harmonization of detection limits for radioactivity concentrations in water in D&D situations	TOPIC	QUALITY ASSURANCE AND QUALITY CONTROL
9	Hanan Saleh		
	Variation of photon absorption and the buildup factors in GSO(Ce) Scintillation Detectors.	TOPIC	QUALITY ASSURANCE AND QUALITY CONTROL

01020202	18/09/2023	16:30	18:45	**Parallel Session 2B**	
CHAIRPERSONS	Robert Breier			Francisco Javier Guillén Gerada	

1	Mathilde Zebracki		
Investigating the geogenic origin of atypical U characteristics– elevated U content, low (234U/238U) activity ratio – of groundwater in Beauce Limestone Aquifer System, France		TOPIC	NATURAL RADIONUCLIDES
2	Kontstantina Kehagia		
Radioactivity monitoring in drinking water in Greece		TOPIC	NATURAL RADIONUCLIDES
3	Qiuju Guo		
Long-term and continuous field measurements of radon in atmosphere, soil and water		TOPIC	NATURAL RADIONUCLIDES
4	Mohammad Alem Sultani		
Investigation of boundary layer height evolution and its implication for air pollution monitoring: a long-term study based on radon in Bratislava, Slovakia		TOPIC	NATURAL RADIONUCLIDES
5	Natalia Alegria		
Radon behaviour due to “Galerna” in Bilbao (Northern of Spain)		TOPIC	NATURAL RADIONUCLIDES
6	Natália Taveira		
Natural radioactive anomalies in the central area of Belo Horizonte, Brazil		TOPIC	NATURAL RADIONUCLIDES
7	Paulo da Silva		
Assessment of 238U and 226Ra activity concentration along theAmazon Tall Tower Observatory site		TOPIC	NATURAL RADIONUCLIDES

8	Reem Aljber		
	The influence of soil characteristics on radon exhalation rate and in ambient air in Kuwait	TOPIC	NATURAL RADIONUCLIDES
9	Abdelmourhit Laissaoui		
	Environmental reconstruction in the Oualidia – Sidi Moussa lagoon complex (western Morocco) using radiometric dating combined with geochemical approaches	TOPIC	NATURAL RADIONUCLIDES

02010100	19/09/2023	8:30	11:00	**PLENARY SESSION II**
CHAIRPERSONS	Tomoko M. Nakanishi		Pavel Povinec	

1	Katsumi Hirose		
	Temporal changes of 137Cs activity concentrations in bottom waters and sediments in the Far Eastern Seas: Partitioning of 137Cs between bottom waters and sediments	TOPIC	M. AOYAMA MEMORIAL SESSION
2	Yayoi Inomata		
	Evaluating the global scale transport of surface seawater from 1956 to 2021 using 137Cs released in the global ocean	TOPIC	M. AOYAMA MEMORIAL SESSION
3	Daisuke Tsumune		
	Ocean simulations for assessing the impact of 137Cs derivedfrom the Fukushima Daiichi Nuclear Power Plant accident	TOPIC	M. AOYAMA MEMORIAL SESSION
4	Hideki Kaeriyama		
	Radiocaesium derived from the Fukushima Dai-ichi Nuclear Power Station in the ocean interior as subtropical mode water in the North Pacific	TOPIC	M. AOYAMA MEMORIAL SESSION
5	Sabine Charmasson		
	Role played by rivers in the supply of Fukushima Daiichi–Derivedradionuclides in the coastal zone of Japan	TOPIC	M. AOYAMA MEMORIAL SESSION

02010200 19/09/2023 11:30 13:00 **PLENARY SESSION III**

CHAIRPERSONS Katsumi Hirose Hideki Kaeriyama

1 Jakub Kaizer

Recent investigations of anthropogenic radionuclides in seawater of the western North Pacific Ocean — TOPIC — M. AOYAMA MEMORIAL SESSION

2 Sang-Han Lee

Temporal variation of Cs-137 in the seawater from the East Sea/Sea of Japan (from the Fukushima nuclear power plant accident to the present) — TOPIC — M. AOYAMA MEMORIAL SESSION

3 Yutaka Tateda

Non-destructive □-spectrometry of ultra-low background level for small size sampleenabled clarification of specific radio-caesium transfer — TOPIC — M. AOYAMA MEMORIAL SESSION

4 Vasyl Yoschenko

Radiocesium dynamics in typical Fukushima forests — TOPIC — M. AOYAMA MEMORIAL SESSION

02020101	19/09/2023	15:00	16:30	**Parallel Session 3A**
CHAIRPERSONS	S. H. Lee			Vasyl Yoschenko

1 Asako Shimada

Local Surface and Vertical Distribution and Isotope Ratios for Radiocesium — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

2 Hirofumi Tsukada

Transfer of 137Cs and 90Sr from soil to potato: Interpretation of association from global fallout in Aomori to accidental released in Fukushima and Chornobyl — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

3 Tobias Weissenborn

How to measure the bioavailability from individual “Hot Particles” — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

4 Christina Ganzha

Skeletal disorders in juvenile fish from the radiation contaminated lakes within the Chornobyl Exclusion Zone — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

5 Lyubov Timonova

Contamination of STS soil with tritium — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

6 José A. Corcho Alvarado

Residual radionuclide concentrations at the Bokak and Bikar Atolls, Northern Marshall Islands — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

7 Antonio Jesús López Fuentes

Characterization of natural and anthropogenic radionuclidesin sediment cores from the Black Sea by high resolution gamma spectrometry — TOPIC — FUKUSHIMA, CHERNOBYL AND TG

02020102	19/09/2023	15:00	16:30	**Parallel Session 3B**
CHAIRPERSONS	Ivan Kontuľ			Serge Nagorny

1	Christos Tsabaris		
Progress on radioactivity tools for the deep ocean		TOPIC	RADIOANALYTICS
2	Georgios Siltzovalis		
Characterization of novel instrumentsfor radioactivity monitoring in oceanic environments		TOPIC	RADIOANALYTICS
3	Rikus le Roux		
The efficiency and spatial characterization of an Underwater Gamma-Ray Detection System (DUGS) for aquatic sediment		TOPIC	RADIOANALYTICS
4	Jinzhou Du		
Natural occurring Ra and Rn to address submarine groundwater discharge derived 90Sr at the land-sea interface		TOPIC	SGD
5	Huiying Li Li		
Radium-derived water mixing and submarine groundwater discharge (SGD) as sources of carbon and nutrients in the Beibu Gulf, South China Sea		TOPIC	SGD
6	Xilong Wang		
Radium and Radon isotopes as tracer study on submarine groundwaterdischarge and its associated nutrient/carbon fluxes along the coast regions ofChina: a synthesis		TOPIC	SGD

02020201	19/09/2023	17:00	18:45	**Parallel Session 4A**
CHAIRPERSONS	José María Abril			Daisuke Tsumune

1	Robert Breier		
Numerical simulation of particle fluxes and production of cosmogenic nuclide in the Earth's atmosphere.		TOPIC	MODELLING
2	Pieter De Meutter		
On the use of 3D adjoint atmospheric transport modelling to simulate lower tropospheric concentration variations of cosmogenic radionuclides		TOPIC	MODELLING
3	Céline Duffa		
Use of modelling results to enhance the radiologicalmonitoring of the French Mediterranean coastal zone		TOPIC	MODELLING
4	Olivier Radakovitch		
Modelling of dissolved 137Cs transport along a river-sea continuum and desorption at the estuary		TOPIC	MODELLING
5	Erik Berge		
A comparison of dry deposition parametrization schemes in atmospheric radionuclide prediction models. Application to the Chernobyl case.		TOPIC	MODELLING
6	Sohan Chouhan		
ETMOD (Environmental Tritium MODel): Version 2 Capabilities		TOPIC	MODELLING
7	Magne Simonsen		
Radionuclide and contaminant transport modeling inestuaries and fjords		TOPIC	MODELLING

02020202	19/09/2023	17:00	18:45	**Parallel Session 4B**	
CHAIRPERSONS	Uğur Görgün			José María López-Gutiérrez	

1	Isidoro Gutiérrez Álvarez		
Use of FLEXPART-WRF to investigate radon transport events associated with the impact of a NORM repository		TOPIC	NORM
2	Francisco Javier Soto Cruz		
Characterization and valorization diagnosis of generated NORM wastes in the decontamination process of phosphogypsum leachate		TOPIC	NORM
3	Yoshikazu Kikawada		
Effects on local atmospheric environment of volcanic ash from Sakurajima volcano, inferred from atmospheric deposition of 40K at Kagoshima City, Japan		TOPIC	NATURAL RADIONUCLIDES
4	Elena Castaño Casco		
Development of a robust methodology to obtain the radon exhalation rate in different materials		TOPIC	NATURAL RADIONUCLIDES
5	Francisco Piñero García		
Biodistribution of naturally occurring radionuclides inEuropean perch (Perca fluviatilis) from Swedish lakes		TOPIC	NORM
6	Jacques Bezuidenhout		
Investigating naturally occurring radionuclides in sediment by characterizing the catchment basin geology of rivers in South Africa		TOPIC	NORM
7	Hudson Kakambuka Angeyo		
Levels and Dispersion Characteristics of Geothermally Emitted Radioactivity in a Kenyan Endorheic Complex		TOPIC	NATURAL RADIONUCLIDES

03010100	20/09/2023	8:30	11:00	**PLENARY SESSION IV**
CHAIRPERSONS	Georg Steinhauser			Brit Salbu

1	Olivier	Masson	
Change in airborne radioiodine physico-chemical distribution with time:a key issue for dose assessment and contamination of the environment in nuclear emergencies			TOPIC
2	Xiaolin	Hou	
Level and distribution of anthropogenic radionuclides in China - interaction of marine and terrestrial environment			TOPIC
3	Gi Hoon	Hong	
Utilities of environmental radioactivity tracers in assessing coastal carbon sequestration potential			TOPIC
4	Elena	Chamizo	
Pushing the limits of the 1 MV Accelerator Mass Spectrometry system at the Centro Nacional de Aceleradoresto analyse 233U and 244Pu			TOPIC
5	Johannes	Lachner	
Next generation of isobar suppression at the new 1 MV AMS systemHAMSTER			TOPIC

03020101	20/09/2023	11:30	13:00	**Parallel Session 5A**
CHAIRPERSONS	Olivier Masson			Georg Steinhauser

1	Alexandra Ioannidou		
40-years 210Pb and trace elements concentrations at Helsinki, Finland		TOPIC	ATMOSPHERE
2	Ivan Kontuľ		
Source apportionment study of total carbon fraction of urban aerosols in Bratislava, Slovakia		TOPIC	ATMOSPHERE
3	Jose Maria Lopez Gutierrez		
Origin of atmospheric 129I in Southern Spain		TOPIC	ATMOSPHERE
4	Chuanlei Liu		
Environmental radiation monitoring by using Health Canada's Fixed-Point Surveillance network		TOPIC	ATMOSPHERE
5	Anna Cwanek		
Case study of recent radioactive contamination in the lower atmosphere of Spitsbergen, Svalbard archipelago		TOPIC	ATMOSPHERE
6	Agustín Cerezo Fernández		
A fast algorithm for real-time monitoring of artificial radioisotopes implemented in the Catalan Environmental Radioactivity Surveillance Network		TOPIC	ATMOSPHERE

03020102 20/09/2023 11:30 13:00 **Parallel Session 5B**

CHAIRPERSONS Elena Chamizo Alexander Cherkinsky

1 Karin Hain

Extending the set of environmental tracers by the novel anthropogenic signatures 233U/236U and 237Np — TOPIC — ACCELERATOR MASS SPECTROMETRY

2 Martin Martschini

Analysis of 90Sr in environmental samples at the attogram level by accelerator mass spectrometry — TOPIC — ACCELERATOR MASS SPECTROMETRY

3 Stephan Winkler

Exploring the lowest levels of environmental 90Sr/Sr compared to 236U/U in carbonates and seawater using a new, highly sensitive Accelerator Mass Spectrometry technique — TOPIC — ACCELERATOR MASS SPECTROMETRY

4 Oscar Marchhart

ALIS - a new isobar suppression setup fortrace analysis of 90Sr at CologneAMS — TOPIC — ACCELERATOR MASS SPECTROMETRY

5 Miroslav Ješkovský

erformance and first analysis using accelerator mass spectrometry in CENTA laboratory, Bratislava — TOPIC — ACCELERATOR MASS SPECTROMETRY

6 Gereon Hackenberg

Status and development of 90Sr soil measurements at CologneAMS — TOPIC — ACCELERATOR MASS SPECTROMETRY

04010100	21/09/2023	8:30	11:00	**PLENARY SESSION V**
CHAIRPERSONS	Sheldon Landsberger			Jerzy-Wojtek Mietelski

1	Rafael García-Tenorio		
Identification of gaps and challenges in the management of NORM			TOPIC
2	Detlev Degering		
Sub Surface Science - Radionuclide Research in and about the Underground			TOPIC
3	Serge Nagorny		
Detector radiopurity and background problems in underground experiments			TOPIC
4	Mai Khanh Pham		
Accreditation of the IAEA's Environmental Laboratories for reference material production and updates on IAEA proficiency test exercises			TOPIC
5	José María Abril Hernández		
Progresses on the 210Pb-based dating of recent sediments under varying rates of supply			TOPIC

04020101	21/09/2023	11:30	13:00	**Parallel Session 6A**
CHAIRPERSONS	Miroslav Hýža			Alexandra Ioannidou

1	Olivier Masson		
Uranium and thorium airborne levels around a Yellow-cake_UF4conversion plant: Stack discharge and resuspension contributions		TOPIC	ATMOSPHERE
2	Francisco Piñero García		
Impact of extreme Saharan dust intrusion on radioactive aerosols in southeast Spain		TOPIC	ATMOSPHERE
3	Christophe Gueibe		
Unprecedented xenon collection and separation from air on silver-exchanged zeolites		TOPIC	ATMOSPHERE
4	Víctor Manuel Expósito Suárez		
Evaluation of the content of natural and artificial radionuclides deposited in Spain by the Saharan dust intrusion in March 2022		TOPIC	ATMOSPHERE
5	Alejandro Barba Lobo		
A methodology to determine212Pb,212Bi,214Pb and 214Bi in atmospheric aerosols; application to precisely		TOPIC	ATMOSPHERE
6	Chuanlei Liu		
Outdoor Rn-222 dose rate monitoring in Canada’s arctic: seasonal variations, long-term trends and implications of climate change impact		TOPIC	ATMOSPHERE

04020102	21/09/2023	11:30	13:00	**Parallel Session 6B**
CHAIRPERSONS	Miroslav Ješkovský		Johannes Lachner	

1 Andreas Wiederin

Isobar analysis in the actinide range for the characterization of a prospective Np spike material — TOPIC — ACCELERATOR MASS SPECTROMETRY

2 Stephanie Adler

Technetium-99: what is your environmental abundance? — TOPIC — ACCELERATOR MASS SPECTROMETRY

3 Darío Sánchez Jiménez

Exploring the limits of Accelerator Mass Spectrometry in nuclear waste characterisation — TOPIC — ACCELERATOR MASS SPECTROMETRY

4 Antonio Jesús López Fuentes

Measurement of the 239Pu, 240Pu and 236U in sediments from the Black Sea using the 1 MV AMS system at CNA — TOPIC — ACCELERATOR MASS SPECTROMETRY

5 Mercedes López-Lora

Marine radioactivity investigations around a dumping area outside Gothenburg by Acceleratory Mass Spectrometry — TOPIC — ACCELERATOR MASS SPECTROMETRY

6 Martina Gwozdz

A dynamic and automated dilution setup for a quantitative characterization of activated graphite material — TOPIC — ACCELERATOR MASS SPECTROMETRY

04020201 21/09/2023 15:00 16:30 **Parallel Session 7A**

CHAIRPERSONS Mats Eriksson Karin Hain

1 Katsumi Hirose

Chemical implication of partition coefficient of 137Cs between aqueous and suspended and phases in natural water — TOPIC — MARINE ENVIRONMENT

2 Sang-Han Lee

The distribution characteristics of Pu mass ratio in the marine environment around the Korean Peninsula — TOPIC — MARINE ENVIRONMENT

3 Justin Gwynn

The effects of climate change on sources of radionuclides to and within the marine environment. — TOPIC — MARINE ENVIRONMENT

4 Antonelli Christelle

Monitoring of radioactivity along the French Mediterranean coast — TOPIC — MARINE ENVIRONMENT

5 Unai Abascal Ruiz

Transport and accumulation of artificial radionuclides in a marine core from the Celtic Sea — TOPIC — MARINE ENVIRONMENT

04020202	21/09/2023	15:00	16:30	**Parallel Session 7B**
CHAIRPERSONS	Jakub Kaizer			Gabriele Wallner

1	Daniel Zapata Garcia		
Fast radiochemistry for the measurement of airborne radioactivity in emergency situations		TOPIC	RADIOANALYTICS
2	Álvaro López Rodríguez		
Improving the measurement of 210Po in seawater samples		TOPIC	RADIOANALYTICS
3	Silvia Pérez Moreno		
Development of a process for removal of natural radionuclides and other pollutants in acid phosphogypsum leachates		TOPIC	RADIOANALYTICS
4	Hong-Chun Li_		
Monitoring heavy metal pollution by using sediment collector along a river catchment: Ker-Ya River in north western Taiwan		TOPIC	RADIOANALYTICS
5	Tanhaji Ghodke		
Standardization of the radiolabelling procedure for C-reactive protein		TOPIC	RADIOANALYTICS
6	Karunakara Naregundi		
Tube combustion and liquid scintillation counting based Carbon-14 determination method for quantifying the natural and synthetic components in caffeine		TOPIC	RADIOANALYTICS

04020301 21/09/2023 17:00 18:45 **Parallel Session 8A**

CHAIRPERSONS Christos Tsabaris Yihong Xu

1 Mats Eriksson

On the use of time-markers in 210Pb sediment dating model validation — TOPIC: MARINE SEDIMENTS

2 Angus Collison

Radioactivity in the Irish coastal environment — TOPIC: MARINE SEDIMENTS

3 Ana del Carmen Arriola Velásquez

Tracing sediment dynamics in El Confital bay (Spain): natural radionuclides distribution and their relationships with sediment characteristics — TOPIC: MARINE SEDIMENTS

4 Filothei Pappa

Temporal investigation of radionuclides and metals in Gera Gulf, Lesvos, Greece — TOPIC: MARINE SEDIMENTS

5 Yihong Xu

Plutonium isotopes dating for the recent sediments in shallow lakes in Eastern China — TOPIC: MARINE SEDIMENTS

6 Xu Ren

Sources of organic carbon in sediments from Kongsfjorden, Arctic — TOPIC: MARINE SEDIMENTS

7 José A. Corcho Alvarado

Plutonium isotopes as tracers of sediment transport processes in the southern Gulf of Mexico — TOPIC: MARINE SEDIMENTS

04020302 21/09/2023 17:00 18:45 **Parallel Session 8B**

CHAIRPERSONS Raquel Idoeta Hernandorena Yutaka Tateda

1 Airi Mori

Seafood ingestion dose following the Fukushima accident using probabilistic and deterministic approaches — TOPIC: RADIONUCLIDES IN BIOTA

2 Caroline Licour

Assessment of radio cesium and natural radionuclides in mosses and study of their distribution in a mountainous region in Central Portugal using GIS. — TOPIC: RADIONUCLIDES IN BIOTA

3 Sophie Reygrobellet

Dose rates to reference organisms due to regional radionuclide background levels in France — TOPIC: RADIONUCLIDES IN BIOTA

4 Michał Saniewski

Distribution of anthropogenic radionuclides in King George Island (South Shetland Archipelago, Antarctic Peninsula) — TOPIC: RADIONUCLIDES IN BIOTA

5 Jalal Sharib

Soil erosion and sedimentation rate using Cesium-137 in the Sembrong catchment — TOPIC: RADIONUCLIDES IN BIOTA

6 Jasmina Kožar Logar

Removal of the radioactive micropollutants from environmental water by the activated carbon from alternative sources — TOPIC: RADIONUCLIDES IN BIOTA

7 Margot Vanheukelom

Predicting radiocesium soil-plant transfer on a global scale: a meta-analysis study — TOPIC: RADIONUCLIDES IN BIOTA

05010100	22/09/2023	8:30	10:30	**PLENARY SESSION VI**
CHAIRPERSONS	Gi Hoon Hong			Olivier Masson

1 Georg Steinhauser

Current state of Zaporizhzhia NPP and other nuclear risks in Ukraine — TOPIC

2 Alexander Cherkinsky

Distribution of carbon isotopes in different soil fractions, including soil CO2 gas on the example of Ultisols, South Carolina, USA. — TOPIC

3 Carmel Mothersill

Development of population level biomarkers for low dose radiation: the importance of non-targeted effects — TOPIC

4 Ole Christian Lind

Mean soil contaminant concentration does not provide a conservative indicator of external exposure to wildlife – reindeer in Jotunheimen, Norway as a case study — TOPIC

05020101 22/09/2023 11:00 12:30 **Parallel Session 9A**

CHAIRPERSONS Ole Christian Lind Carmel Mothersill

01 Christy Maynard

Environmental and Nutritional Chemistry of Wild Harvested Berries vs. Commercial Berries: Depositional and Uptake Chemistry and Human Health Assessment TOPIC RADIOECOLOGY

02 Airi Mori

A New Global Seafood Dose Assessment TOPIC RADIOECOLOGY

03 Aysun Uğur Görgün

Radiological Risk of Polonium ingestion and Inhalation: Need for Reassessment TOPIC RADIOECOLOGY

04 Daniel Butscher

Influence of Eu(III) and U(VI) on rat and human kidney cells TOPIC RADIOECOLOGY

05 Sebastian Friedrich

Influence of EDTA and EGTA on the Eu(III)/Cm(III) speciation in the human digestive system TOPIC RADIOECOLOGY

06 Montaha Behbehani

Po loss in Seafood due to Cooking and its dose implications TOPIC RADIOECOLOGY

05020102	22/09/2023	11:00	12:30	**Parallel Session 9B**
CHAIRPERSONS	Shaoming Pan			Lyubov Timonova

1 Ignasi Reichardt

Weather-dependent detection limits for gamma-ray spectrometry in environmental radioactivity monitoring — TOPIC — RADIOANALYTICS

2 Bernardo Salas Mar

Questioning the increase of population around the Laguna Verde Nuclear Power Plant- Mexico — TOPIC — RADIOANALYTICS

3 Laura Takahashi

The influence of social and environmental factors on radiometric studies — TOPIC — RADIOANALYTICS

4 Marcelo Francis Máduar

Radon exhalation from the soil at the Amazon Tall Tower Observatory site — TOPIC — RADIOANALYTICS

5 Dobromir Pressyanov

Novel approaches for measuring low radon levels in the environment by passive detectors — TOPIC — RADIOANALYTICS

05030000	22/09/2023	12:30	13:00	**PLENARY SESSION VII**
CHAIRPERSONS	Manuel García-León			Pavel Povinec

1 Jerzy-Wojtek Mietelski

Natural reactor in Oklo – 50 years from discovery — TOPIC