

Session Program

15-19 Feb 2026

ISOTOPIC TIME MACHINE
FROM CULTURAL HERITAGE
TO SUSTAINABLE FUTURE



12th International Conference on Isotopes - 12ICI

Poster Session 2

Grand Hotel Mediterraneo
Lungarno del Tempio, 44 - 50121, Firenze

Tuesday 17 February

13:02

Poster Session 2

Session | **Location:** Grand Hotel Mediterraneo , Americas Room

13:02-13:04

A METHOD FOR HIGH-PURITY SEPARATION OF PROMETHIUM-147 BASED ON NEODYMIUM

Speaker

Gujin Kang

13:04-13:06

SCALABLE β -RADIATION EXFOLIATION OF ZN-AL LDH: MECHANISTIC INSIGHTS INTO HIGH-FLUX NANOCOMPOSITE MEMBRANES

Speaker

Muhammad Adli Bin Nor Azman

13:06-13:08

SUBSTANTIAL AMYLOID CLEARANCE IN PET IMAGING BUT MINIMAL COGNITIVE CHANGE AFTER SIX MONTHS OF LECANEMAB

Speaker

JEE HYANG JEONG

13:08-13:10

DEVELOPMENT OF A GREEN COFFEE BEAN REFERENCE MATERIAL FOR MULTI-ELEMENTAL ANALYSIS

Speaker

Claudio Gonzaga

13:10-13:12

OPTIMIZATION OF BEEF DIGESTION PROCEDURES FOR MULTIELEMENTAL DETERMINATION

Speaker

Letícia de Lima

13:12-13:14

MONITORING OF GREENHOUSE GASES AND ISOTOPIC SIGNATURES IN URBAN CARBON CYCLES- A CASE STUDY IN GLIWICE, POLAND

Speaker

Barbara Sensuła

13:14-13:16

BIOGEOCHEMICAL INVESTIGATION OF MANGROVE ECOSYSTEM TO GAUGE COASTAL ANOXIA AND ECOSYSTEM PROCESSES OF THE LAST 7800 CAL YEAR BP

Speaker

Anand Rajoriya

13:16-13:18

RADHAWK: UAV FOR FAST-RESPONSE RADIOLOGICAL MAPPING

Speaker

Nedime Irem Elek

13:18-13:20

INTEGRATION METHOD FOR DETERMINING THE POTENTIAL ALPHA ENERGY CONCENTRATION OF RADON AND THORON DECAY PRODUCTS IN AIR**Speaker**

Ms Agata Grygier

13:20-13:22

SYNTHETIC ZEOLITES (3A, 4A, 5A, 13X, NaP1) AND THEIR APPLICATION IN REMOVING RADIUM AND BARIUM FROM WATER**Speaker**

Krzysztof Samolej

13:22-13:24

INTEGRATED ENVIRONMENTAL RADIOACTIVITY MONITORING BY THE HEALTH PHYSICS GROUP AT LASA: THE EYE RAD NETWORK AND ¹³⁷Cs TRANSFER IN DAIRY SYSTEMS**Speaker**

Flavia Maria Groppi

13:24-13:26

MEASURING TROPHIC TRANSFER OF CU INTO N. TRIANGULIFER FROM STORMWATER AND EFFLUENT SOURCES USING STABLE ISOTOPES**Speaker**

Timothy Vadas

13:26-13:28

RADON EXHALATION CAMPAIGN TO ESTIMATE GREENHOUSE GAS EMISSIONS USING THE 'RADON TRACER METHOD'**Speaker**

Serena Mancini

13:28-13:31

DERIVATION OF CROP TRANSFER FACTOR IN KOREA**Speaker**

Prof. Kwang Pyo Kim

13:31-13:33

NEUTRONIC FEASIBILITY STUDY OF DUAL-COOLED ANNULAR DUPLEX PuO₂-ThO₂ FUEL FOR NEXT-GENERATION PW-SMRS: ASSEMBLY LEVEL ANALYSIS**Speaker**

Prof. Ouadie kabach

13:33-13:35

TOWARDS MORE SUSTAINABLE ADVANCED RECYCLING OF SPENT NUCLEAR FUEL**Speaker**

Massimiliano Federico Silvio Tentorio

13:37-13:39

EVALUATION AND MITIGATION OF PERSONNEL RADIATION EXPOSURE DURING RADIOISOTOPE PRODUCTION AT RESEARCH REACTORS

Speaker

Tracy Tipping

13:39-13:41 **OUTPUTS FROM EURAMET PROJECT 21GRD09 - MetroPOEM**

Speaker

Mr Simon Jerome

13:41-13:43

DEVELOPMENT OF A COMPACT SPHERICAL RADIATION DETECTOR WITH ISOTROPIC SENSITIVITY FOR ENVIRONMENTAL MONITORING APPLICATIONS

Speaker

Mr Jeonghoon Lee

13:43-13:45

RECONSIDERING THE LINEAR NO-THRESHOLD MODEL: EVIDENCE OF ADAPTIVE RESPONSES FOLLOWING LOW-DOSE IONIZING RADIATION EXPOSURE

Speaker

Nada Alsufyani

13:45-13:47

RAPID ANALYSES OF URANIUM AND THORIUM MOLTEN CHLORIDE SALTS FOR REACTOR SAFEGUARDS

Speaker

Dr Paige Abel

13:47-13:49

LISE MEITNER AND THE DISCOVERY OF NUCLEAR FISSION: A CASE OF MEMORY IN SCIENCE

Speaker

Luisa Loviseti

13:49-13:51

CASE STUDIES ON APPLICATION OF RADIATION DOSE ASSESSMENT PROGRAM

Speaker

Prof. Kwang Pyo Kim

13:51-13:53

ROCKRAD: AN EDUCATIONAL TOOL FOR THE MEASUREMENT OF ROCK RADIOACTIVITY

Speaker

Ghulam Hasnain

13:53-13:55

DESIGN OF A NaI(TI)-BASED RAPID SEAFOOD RADIOACTIVITY INSPECTION SYSTEM

Speaker

Ms Sunlee Shin

13:55-13:57

DOSE ASSESSMENT OF IONIZING RADIATION THROUGH RADIOSENSITIVE PROTEIN IGFPB3 IN MICE

Speaker

Jufang Wang

13:57-13:59

SCAR TECHNOLOGY APPLICATION FOR RADIOCARBON MEASUREMENTS IN PHARMACEUTICAL RESEARCH

Speaker

Luca Varricchio

13:59-14:01

MOCK YTTRIUM-90 GLASS SPHERE STANDARDIZATION FOR NUCLEAR MEDICINE APPLICATIONS

Speaker

Raphael Galea

14:29