

RadChem 2022

Tuesday, May 17, 2022

Nuclear Analytical Methods: NAM 1 - Marble Hall (8:30 AM - 10:00 AM)

-Conveners: Xiaolin Hou; Jan Kučera

time	[id] title	presenter
8:30 AM	[993] Radiochemical analysis for radiological characterization of decommissioning waste - determination of ¹²⁶ Sn and ⁹³ Mo	HOU, Xiaolin
9:00 AM	[997] Combined radiochemical separation and multicollector ICP-MS approach to determine ¹³⁵ Cs and ¹³⁵ Cs/ ¹³⁷ Cs isotopic ratio	Mr GALLUCCIO, Francesco
9:20 AM	[922] CONTRIBUTION OF MASS SPECTROMETRY TO THE ENHANCEMENT OF OBJECTIVES OF RADIOLOGICAL CHARACTERIZATION IN ENVIRONMENTAL SAMPLES	Mrs AUGERAY, Céline
9:40 AM	[930] Investigation of a new approach for ³⁶ Cl determination using plastic scintillators	LLOPART, Ines

Nuclear Analytical Methods: NAM 2 - Red Hall (1:30 PM - 3:00 PM)

-Conveners: Zsolt Révay; Clemens Walther

time	[id] title	presenter
1:30 PM	[963] Comprehensive characterization of Single Hot particles: from isotopic composition to bioavailability	WALTHER, Clemens
2:00 PM	[897] Development of new low-level method for the analysis of iodine 129 and the isotopic ratio ¹²⁹ I/ ¹²⁷ I determination	Ms CARRIER, Coralie
2:20 PM	[919] Analysis of isotopic composition of inhomogeneous samples by LA-MC-ICP-MS	VARGA, Zsolt
2:40 PM	[960] Use of radiotracers to evaluate the bioaccessibility of essential minerals from dairy products	Dr DE KRUIJFF, Robin

Nuclear Analytical Methods: NAM Poster - Gallery (5:15 PM - 6:45 PM)

time	[id] title	presenter
5:15 PM	[911] Influence of various organic solvents on the performance of a newly designed scintillation cocktail	Mr RAJCHL, Erik
5:20 PM	[955] Analysis for Radioactivity of Negative Ion Powder	XU, Ping
5:25 PM	[956] Measurement of Alpha-emitting Therapeutic Radiopharmaceutical Ra-223 Dichloride Injection by Different Source-Detector Distances γ -spectrum Method	GU, Xianbao
5:30 PM	[975] Radiometric analysis of potassium, radium and uranium levels in Brazil nuts	IOANNIDIS, Ioannis
5:35 PM	[987] Separation and determination of molybdenum-93 in concrete and steel leachate and other waste from nuclear power plants	HOROVA, Katerina

5:40 PM	[1005] Simultaneous determination of organically bound tritium and radiocarbon by Liquid Scintillation method	CHIPANOVSKA, Natasha
5:45 PM	[1025] Novel sample preparation approach to investigate C-14 from iron materail	Dr MOLNÁR, Mihály
5:50 PM	[1034] Uranium-Isotopes in Austrian Groundwater measured by QQQ-ICP-MS and Alphaspectroscopy	DAMBERGER, Viktoria
5:55 PM	[1039] DETERMINATION OF 129I BY ACCELERATOR MASS SPECTROMETRY IN FORENSIC ANALYSIS	MINDOVÁ, Miriam
6:00 PM	[1058] Application of SIMS and SEM to analysis of environmental swipes for nuclear safeguards	ELANTYEV, Ivan
6:05 PM	[1072] Status report of the first AMS laboratory in the Czech Republic at NPI, Řež	Prof. KUČERA, Jan
6:10 PM	[1074] Potential of INAA in elemental analysis of heroin, cocaine, and methamphetamine	Dr KAMENÍK, Jan
6:15 PM	[1081] Cosmic-ray burial dating of an Early to Middle Pleistocene hominin site: physical and chemical sample treatment and purity control via ad-hoc mass spectrometry scans	Dr GARBA, Roman
6:20 PM	[1087] Discrimination of cat and dog foods using neutron activation analysis and machine learning	Mr LIMA, Robson C.
6:25 PM	[1088] Sugarcane quality in the sugar-energy agribusiness assessed by neutron activation analysis	Mr FURLAN, Gustavo Nazato
6:30 PM	[1076] Development of an integrated on-line monitoring system for Tritium and radioactive carbon using robotics technology	SONG, Youngju
6:35 PM	[1080] COMPOUND SPECIFIC RADIOCARBON DATING OF POTTERY VESSELS FROM THE LATE LA TENE SITE SKLARSKE VALLEY (SUMAVA MOUNTAINS, CZECH REPUBLIC)	BRYCHOVA, Veronika

Wednesday, May 18, 2022

Nuclear Analytical Methods: NAM 3 - Marble Hall (10:30 AM - 12:00 PM)

-Conveners: Elisabete De Nadai Fernandes; Amares Chatt

time	[id] title	presenter
10:30 AM	[936] Nuclear analytical facilities on a cold neutron beam at MLZ, Garching	RÉVAY, Zsolt
11:00 AM	[1000] Neutron Activation Analysis at MLZ	Dr STIEGHORST, Christian
11:20 AM	[1084] Elemental profile of tail hair by neutron activation analysis for beef genetic authentication	Mrs MOREIRA, Gabriele R.
11:40 AM	[1068] Neutron activation analysis and X-ray fluorescence analysis of vehicle glasses for forensic purposes	Dr KAMENÍK, Jan

Thursday, May 19, 2022

Nuclear Analytical Methods: NAM 4 - Red Hall (8:30 AM - 10:00 AM)

-Conveners: Jan Kameník; Christian Stieghorst

time	[id] title	presenter
8:30 AM	[995] Determination of nanogram levels of copper in a variety of matrices using instrumental, preconcentration and radiochemical neutron activation analysis	Prof. CHATT, Amares
9:00 AM	[977] Feasibility study on the use of neutron activation analysis for nuclear forensics: Determination of elemental impurities in uranium materials after pre-irradiation removal of uranium	Prof. KUČERA, Jan
9:20 AM	[992] Utilization of fluoride target sample material for ²³⁹ Pu measurement with MILEA AMS	Ms FENCLOVÁ, Katerina
9:40 AM	[1086] Application of fluoride target materials in AMS measurement of uranium isotopes	PRÁŠEK, Tomáš

Friday, May 20, 2022

Nuclear Analytical Methods: NAM 5 - Red Hall (8:30 AM - 10:00 AM)

-Conveners: Jiří Janda; Céline AUGERAY

time	[id] title	presenter
8:30 AM	[917] Neutron-irradiated concrete: Structural characterisation and gamma dosimetry.	Ms ROODE-GUTZMER, Quirina
8:48 AM	[909] The new electroplating solution based on a citric-oxalic-sulfate matrix	JANDA, Jiří
9:06 AM	[996] DEVELOPMENT OF MODIFIED GRAPHENE BASED ELECTRODE FOR ANALYSIS OF URANIUM IN AQUEOUS SOLUTIONS	Dr STRAKA, Martin
9:24 AM	[1001] Determination of the alpha-activity from samples with an extremely strong background of beta-emitting radionuclides by liquid scintillation counting	ZIVADINOVIC, Ivan
9:42 AM	[932] Development of a PSkit for the Fast and Selective Analysis of ⁹⁹ Tc in Decommissioning Samples	BAGÁN, Héctor