

**POSTER SESSION 1-Tuesday, SEPTEMBER 23<sup>rd</sup>**

**Methods (machine and sample preparation)**

Tag	Presenter	Title
P1-M01	Mihály Molnár	PERFORMANCE OF THE FIRST LEA SYSTEM AT HEKAL AMS FACILITY
P1-M02	Carla Carvalho	CALCIUM OXALATE ROCK ART DATING IMPLEMENTATION AT THE BRAZILIAN RADIOCARBON LABORATORY (LAC-UFF)
P1-M03	Michael Marshall	THE ART & SCIENCE OF BIOBASED PRODUCT TESTING AT THE CENTER FOR APPLIED ISOTOPE STUDIES, UNIVERSITY OF GEORGIA, USA
P1-M04	Jacek Pawlyta	PROBLEMS WITH ISOTOPE FRACTIONATION CORRECTION IN RADIOCARBON DETERMINATIONS IN MIXTURES
P1-M05	Jacek Pawlyta	FIRST RESULTS OF PIMS TESTS AT THE AGH LABORATORY FOR ENVIRONMENTAL RADIOISOTOPE ANALYSES IN MIĘKINIA NEAR KRAKÓW
P1-M06	Renata Jou	RADIOCARBON ANALYSIS OF BRAZILIAN BIOPLASTICS: SAMPLE PREPARATION METHOD USING AMS AT LAPAC-UFBA
P1-M07	Delqué-Kolic Emmanuelle	COMPARISON OF ZN/TI <sub>2</sub> /FE AND ZN/FE SEALED-TUBE METHODS FOR GRAPHITIZING ENVIRONMENTAL SAMPLES AT LMC14 (SACLAY, FRANCE)
P1-M08	Monty Ochocki	CHEMICAL PRETREATMENT OF SORTED POLLEN GRAINS FOR RADIOCARBON DATING
P1-M09	Philip Gautschi	ALF-NEWAGE: AUTOMATED, HIGH THROUGHPUT GRAPHITIZATION OF ATMOSPHERIC CO <sub>2</sub> FOR HIGH PRECISION RADIOCARBON ANALYSES
P1-M10	Philippa Ascough	PROCESSING OF SAMPLES BY RAMPED OXIDATION AT THE NEIF RADIOCARBON LABORATORY, SUERC: RECENT TECHNICAL ADVANCES
P1-M11	Pauline Gulliver	USE OF SUWANNEE RIVER NATURAL ORGANIC MATTER AS AN IN-HOUSE RADIOCARBON STANDARD FOR DISSOLVED ORGANIC CARBON ANALYSIS
P1-M12	Maksymilian Jędrzejowski	CAN AN AGE-DEPTH MODEL WITH POOR AGREEMENT BE IMPROVED BY CONSIDERING SEDIMENTATION RATE?
P1-M13	Maksymilian Jędrzejowski	ASSESSMENT OF THE <sup>13</sup> C/ <sup>12</sup> C AND <sup>14</sup> C/ <sup>12</sup> C ISOTOPIC FRACTIONATION RATIOS DURING GRAPHITIZATION VIA THE ZINC REDUCTION METHOD
P1-M14	Natalia Piotrowska	GIRI RESULTS FROM THE RADIOCARBON AND MASS SPECTROMETRY LABORATORY, GLIWICE, POLAND
P1-M15	Hendrik Grotheer	COMPOUND-SPECIFIC RADIOCARBON ANALYSIS OF LIGNIN PHENOLS
P1-M16	Fatima Pawełczyk	SIMPLIFYING <sup>14</sup> C DATING OF IRON ARTIFACTS THROUGH GRAPHITIZATION USING THE FULLY AUTOMATIC MGRAPHILINE SYSTEM
P1-M17	Kai Nakajima	NEW METHOD FOR RADIOCARBON DATING OF COCCOLITHS USING FLOW CYTOMETRY
P1-M18	Hiroshi A. Takahashi	WHY DOES THE BACTERICIDAL EFFECT OF BENZARCONIUM CHLORIDE DIMINISH IN <sup>14</sup> C ANALYSIS OF SEAWATER?
P1-M19	Barbara Sensuła	INSIGHTS FROM THE LAST YEAR'S ATMOSPHERIC CO <sub>2</sub> MEASUREMENTS IN SOUTHERN POLAND
P1-M20	Yunchong FU	RAPID ONLINE ANALYZER FOR <sup>14</sup> C -AMS BASED ON GAS ION SOURCE AT XI'AN AMS CENTER
P1-M21	Tudyka	FLEXIBLE SAMPLE PREPARATION WITH THE MGRAPHILINE SYSTEM

**Session A1: Atmosphere and terrestrial environment**

Tag	Presenter	Title
P1-A01	Fabiana Monteiro de Oliveira	ANALYSIS OF RADIOCARBON AND STABLE ISOTOPE OF ATMOSPHERIC PM2.5 IN RIO DE JANEIRO, BRAZIL
P1-A02	Balázs Áron Baráth	IMPACT OF COVID-19 ON ATMOSPHERIC <sup>14</sup> C LEVELS AND FOSSIL CARBON LOAD IN HUNGARIAN BACKGROUND AND URBAN SITES
P1-A03	Andrzej Rakowski	RAPID <sup>14</sup> C CHANGES IN THE XI CENTURY CE IN ANNUAL TREE RINGS
P1-A04	Jacek Pawlyta	SEARCH FOR RAPID <sup>14</sup> C CHANGES IN THE CALIBRATION CURVES
P1-A05	Andrzej Rakowski	MIYAKE EVENT IN PRECISE RADIOCARBON DATING
P1-A06	Andrzej Rakowski	ANNUAL RINGS OF ALGARROBO TREE FROM NORTHERN PERU
P1-A07	Masayo MINAMI	ESTIMATION OF TRAVERTINE FORMATION AGE IN NW IRAN USING RADIOCARBON AND STABLE CARBON ISOTOPE
P1-A08	Carla S. Hadden	A RECORD OF THE AD 774 COSMOGENIC RADIOCARBON EVENT FROM GEORGIA, USA
P1-A09	Pauline Gulliver	SOURCE APPORTIONMENT OF FUGITIVE METHANE EMISSIONS USING RADIOCARBON IN A SCOTTISH RIVER.
P1-A10	Toshimichi Nakanishi	HOLOCENE SEDIMENTS REVEAL ACCUMULATION RATES ACROSS AN ONSHORE SUBDUCTION THRUST IN NORTHERNEASTERN NANKAI TROUGH
P1-A11	Sanyuan Zhu	POTENTIAL ATMOSPHERIC <sup>14</sup> C O <sub>2</sub> BACKGROUND STATION OF LOW-LATITUDE NH ZONE (JJA-TPLB) BASED ON LONG-PERIOD AND HIGH-PRECISION TREE-RING <sup>14</sup> C IN NANLING, CHINA
P1-A12	Ping Ding	WHAT IS THE FOOD FOR THE CYANOBACTERIA IN THE TIBETAN PLATEAU HOT SPRINGS
P1-A13	Tamás Varga	SPRING BUDS OF EUROPEAN WOODY PLANTS HAVE OLD <sup>14</sup> C AGE
P1-A14	Corina Solís	<sup>14</sup> C -AMS ANALYSIS OF ATMOSPHERIC AEROSOLS IN COASTAL REGIONS: FOSSIL CARBON CONTRIBUTION
P1-A15	Barbara Sensuła	RADIOCARBON CONCENTRATION IN PINE NEEDLES EXPOSED TO MULTI-SOURCE POLLUTION IN GLIWICE (POLAND)

**POSTER SESSION 2, Thursday, SEPTEMBER 26<sup>th</sup>**

**Session A2: Anthropogenic effects**

Tag	Presenter	Title
P2-A01	Irka Hajdas	BOMB PEAK FADING – A MEMOIR WRITTEN IN LEAVES
P2-A02	Martin Seiler	RADIOCARBON EMISSIONS IN ASH AND CO <sup>2</sup> FROM WASTE INCINERATION
P2-A03	Lucile BECK	FROM FLAX TO CANVAS, THE JOURNEY OF THE TEXTILE FIBERS FROM THE FIELDS TO THE PAINTINGS OF PIERRE SOULAGES
P2-A04	Ivanka Lovrenčić Mikelić	<sup>14</sup> C AS AN INDICATOR OF SOIL CONTAMINATION WITH COAL DUST AND/OR COAL COMBUSTION PRODUCTS: CASE OF PLOMIN COAL-FIRED THERMAL POWER PLANT (ISTRIA, CROATIA) – PRELIMINARY RESULTS
P2-A05	Evaldas Maceika	EXAMINATION OF THE SPATIAL PATTERN OF ACCUMULATED <sup>14</sup> C BY PINE TREES IN THE VICINITY OF IGNALINA NUCLEAR POWER PLANT
P2-A06	Peng Cheng	SPATIAL AND TEMPORAL VARIATION OF <sup>14</sup> C RECORDED IN THE CHINESE TREE
P2-A07	Laima Kazakevičiūtė-Jakučiūnienė	EXPLORING URBAN CARBON EMISSIONS: RADIOCARBON INSIGHTS FROM VILNIUS, LITHUANIA

**Session T1: Tropical Environments**

Tag	Presenter	Title
P2-T01	Pauline Gulliver	THE FORMATION OF CARIBBEAN CORAL REEF ISLANDS
P2-T02	María Rodríguez Ceja	RADIOCARBON DATING OF COASTAL SEDIMENTS FROM THE YUCATAN PENINSULA.
P2-T03	Lucas Nguyen	CUTTING IT CLOSE, NOT OUT: IMPROVING <sup>14</sup> C DATA CONSISTENCY OF TROPICAL TREE RADIOCARBON ANALYSIS
P2-T04	Franco Biondi	<sup>14</sup> C -DATING A DRAGON TREE SECTION BY WIGGLE-MATCHING

**Session P1: Past environment and climate**

Tag	Presenter	Title
P2-P01	Sławomira Pawełczyk	ESTIMATION OF CO <sub>2</sub> EMISSIONS BASED ON THE ISOTOPIC COMPOSITION OF CARBON IN TREE RINGS - A CASE STUDY FOR NORTH-EASTERN POLAND
P2-P02	Mitsuru Okuno	HOLOCENE TEPHRAS AND THEIR AMS <sup>14</sup> C AGE OF IRAYA VOLCANO IN NORTHERN PHILIPPINE
P2-P03	Mitsuru Okuno	RADIOCARBON DATING ON THE CUTTING OF ACCESS ROAD TO THE KUMAMOTO EARTHQUAKE MUSEUM, SW JAPAN
P2-P04	Titanilla G. Kertész	RADIOCARBON DATING OF THE SÜTTŐ LOESS-PALEOSOL SECTION
P2-P05	Andrzej Rakowski	HIGH-PRECISION RADIOCARBON DATING, A CASE STUDY OF INCA BURIALS FROM LULLALLACO
P2-P06	Marek Krąpiec	STABLE CARBON ISOTOPES IN GRABIE OAK TREE RINGS REVEAL HALLSTATT CLIMATE CHANGES IN POLAND
P2-P07	Włodzimierz Margielewski	RECONSTRUCTION OF PALAEOENVIRONMENTAL CHANGES SINCE THE LATE GLACIAL, BASED ON RADIOCARBON DATES AND PEAT MULTIPROXY ANALYSIS: THE HUCIANKA LANDSLIDE FEN, POLISH WESTERN CARPATHIANS
P2-P08	Elya Zazovskaya	NEW DATA ON THE AGE OF THE HOLOCENE TERRACE OF THE ARAL SEA
P2-P09	Jadranka Barešić	FALLEN BARRIER AT THE NATIONAL PARK PLITVICE LAKES
P2-P10	Danuta J. Michczyńska	CLIMATE SIGNAL RECORDED IN FLUVIAL DATA - EXAMPLES OF ANALYSIS OF RADIOCARBON DATES FROM SELECTED REGIONS OF SOUTHERN POLAND AND EASTERN NETHERLANDS
P2-P11	Laura Kattein	LOCAL DEVELOPMENT OF THE EAST ANTARCTIC ICE SHEET AFTER THE LAST GLACIAL MAXIMUM: NEW INSIGHTS USING RAMPED PYROLYSIS-OXIDATION- <sup>14</sup> CO <sub>2</sub> AND LIPID BIOMARKER ANALYSES
P2-P12	Pavel Povinec	RADIOCARBON VARIATIONS IN TREE RINGS AND CLIMATE CHANGE
P2-P13	Haiyan Zhao	OPTIMIZING RADIOCARBON CHRONOLOGIES IN PEAT PROFILES WITH EXAMPLES FROM XINJIANG, CHINA
P2-P14	Corina Solís	THE NORGRIPIAN - MEGALAYAN BOUNDARY IN THE NORTHERN ARGENTINEAN PUNA.
P2-P15	Andreja Sironić	ASSESSING THE POTENTIAL OF DEAD CARBON FRACTION AS A PALAEOCLIMATE PROXY IN A SPELEOTHEM FROM NOVA GRGOSOVA CAVE (CROATIA)
P2-P16	Weijian Zhou	THE FIRST PALEOLITHIC EVIDENCE IN YARLUNG ZANGBO VALLEY DURING THE LGM: IMPLICATION OF HUMAN YEAR-ROUND OCCUPATION ON THE TIBET PLATEAU
P2-P17	Hongyan Zhang	RADIOCARBON CHRONOLOGY OF THE XIawangDU NEOLITHIC SITE IN THE LOWER YANGTZE REGION AND ITS IMPLICATIONS FOR HOLOCENE ENVIRONMENTAL CHANGES

**Marine M1: Marine environment**

Tag	Presenter	Title
P2-M01	Gentz, Torben	RADIOCARBON ANALYSIS OF METHANE
P2-M02	Anne Bressler	REMINERALIZATION OF ORGANIC MATTER IN MARINE SEDIMENTS FROM SVALBARD FJORDS ALONG A GRADIENT OF ATLANTIFICATION



## 4TH INTERNATIONAL RADIOCARBON IN THE ENVIRONMENT CONFERENCE



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P2-M03	Toshimichi Nakanishi	DATING HOLOCENE DEPOSITS AT THE HII RIVER MOUTH: RADIOCARBON AGES OF TERRESTRIAL AND MARINE SAMPLES IN SOUTHWEST JAPAN
P2-M04	Dumoulin Jean-Pascal	TRACING THE ORIGIN OF ORGANIC MATTER IN RIVER DELTAS: A DECADE STUDYING THE DUAL ISOTOPIC COMPOSITION OF CARBON ( $\delta^{13}\text{C}$ AND $\Delta^{14}\text{C}$ ) IN SEDIMENTS AND POREWATERS OF THE RHÔNE RIVER DELTA
P2-M05	Miguel Angel Martínez	$^{14}\text{C}$ SIGNATURES AND ACCELERATOR MASS SPECTROMETRY ANALYSIS OF ORGANIC MATTER DYNAMICS IN THE MANIALTEPEC ESTUARY SYSTEM
P2-M06	Stewart Fallon	OCEAN RADIOCARBON AT TWO NUCLEAR WEAPON TESTING SITES