

<b>Monday 3<sup>rd</sup> July</b>			
Oral presentations/ Flash presentations Session 1: Emerging contaminants and human health Chairs: Prof. Andrew Hursthouse, Dr. Efstratios Kelepertzis			
<b>9:15 – 9:45</b>	<b>Keynote Talk: Prof. Nikos Thomaidis</b>		<b>Monitoring of key environmental indicators to assess human exposure to emerging contaminants</b>
<b>9:45 – 10:45</b>	S1o01	Dr. Kiri Rodgers	Antimicrobial Resistance Development in Environmental Microorganisms and its Mitigation
	S1o02	Dr. Erin Corbett	Uncovering Associations Between Anthropogenic Pollution and Antimicrobial Resistance in the Environment
	S1o03	Prof. Xia Huo	Exposure to widespread environmental pollutants on the post-vaccination antibody potency or immunoglobulin levels of children
	S1o04	Mrs Georgia Soubasakou	Per- and polyfluorinated substances in Greece: Potential sources and potential human-health effects on the population
	S1p01	Prof. Ricardo Godoi	Spatialized PM2.5 during Covid-19 Pandemic and the Health Data in Brazil's largest Southern City
	S1p02	Mrs Maria Nefeli Georgaki	Chromium and Diabetes: A Systematic Review of Environmental Health Literature
	S1p03	Dr. Jerry Olajide-Kayode	Possible toxicity of Potentially Harmful Elements in Geophagic clays: Case studies from parts of Southeast Nigeria
	S1p04	Dr. Alex Stewart	Integrating health and environment: a medical perspective
	S1p05	Prof. Ricardo Godoi	The iron ore handling in the Tubarão Port Complex-Brazil: PM2.5 resuspensions over the Vitória City
<b>10:45 – 11:05 Break/ Poster viewing</b>			
<b>11:05 – 13:00</b>	S1o05	Dr. Marios Kostakis	SARS-CoV-2 wastewater surveillance in Athens, Greece
	S1o06	Dr. Alex Stewart	Scottish seaweed: use and abuse from the Stone Age to the current day
	S1o07	Mr Konstantinos Georgiou	Preliminary results of potentially toxic elements content and biological accumulation in two species of sea cucumbers
	S1o08	Prof. Yuanchen Chen	Organochlorine Pesticide Ban Facilitated Reproductive Recovery of Chinese Striped Hamsters
	S1o09	Dr. Simon Mafulul	Potentially toxic elements profile of some selected medicinal plants growing naturally in the vicinity of abandoned tin mines on the Jos Plateau and their human health risk assessment
	S1o10	Dr. Lijuan Zeng	Effects of kaolinite on the transport of ferrihydrite colloids in underground environment
	S1o11	Dr. Awwal Bamanga	Pollution of sediments by heavy metals in Lagos Harbour - sources, pathways and management
	S1o12	Ms Stavroula Menegaki	Respiratory bioaccessibility of metal(l)oids in contaminated soil (<10 µm) from highly urbanized and industrial environments
	S1p06	Prof. Manuel Pozo	Adsorption studies of emerging contaminants on Spanish Mg-clays
	S1p07	Mrs Maria Nefeli Georgaki	Leachability of chromium from fly ash-marl mixtures in Sarigiol basin, Western Macedonia, Greece: Potential environmental and health hazard
	S1p08	Dr. Galina Kapanen	Quality Criteria Control Study of Estonian Curative Mud
	S1p09	Ms Eirini Anagnostou	Hydrogeochemical assessment of thermal springs in Kos and suitability for healing purposes

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	S1p10	Dr. Grace Ogunlade-Anibasa Oyiza	Heavy metal accumulating medicinal and food crops – its health risk implications among local communities in Abuja-Nigeria.
	S1p11	Mr George Soulamidis	Heavy metal adsorption efficiency of natural Manganese oxides
	S1p12	Dr. Elias Dimitriou	Preliminary assessment of nitrate sources of pollution in the urbanized catchment of the Kifissos River
	S1p13	Mrs Paraskevi-Maria Kourgia	Polycyclic aromatic hydrocarbons in road deposited sediments from Athens and flood depositional sediments from Mandra, Greece: Spatial and seasonal distribution, and potential toxicity
	S1p14	Mrs. Emanuela Kapaj	Geochemistry of metal(loids) in soil and river sediment along the Asopos river basin, Greece
	S1p15	Prof. Maurizio Barbieri	Major and trace elements geochemistry of geothermal water from the Nappe Zone, northern Tunisia: Implications for health risk assessment and mineral prospecting
13:00 – 14:00 Lunch/ Poster viewing			
Oral presentations/ Flash presentations			
Session 2: Emerging contaminants and human health (continues)			
Chairs: Dr. Alex Stewart, Dr. Zacharenia Kypritidou			
14:00 – 15:10	S2o13	Prof. Stefano Albanese	Radon in tap water: is it safe to assess the health risk for people only by means of reference thresholds? A case study from Campania region (Italy)
	S2o14	Dr. Faith Onyangore	Urinary hydration correction for trace elements influencing child and maternal health status in western Kenya
	S2o15	Prof. Herman Potgieter	Destruction and removal of a problematic dye in wastewater with heterojunction photocatalysts
	S2o16	Dr. Liang Ma	Naturally occurring geochemical enrichment of thallium, cadmium, and fluorine and related health risks in southwestern China: A geo-environmental perspective
	S2o17	Mr Vasilios Pletsas	Thriving in Toxic: Morphological, Geochemical and Spectroscopic Evidence for As-Pb-Sb—Related Microbial Activity in the Hydrothermal Sulfide Diffusers of the Kolumbo Active Underwater Arc-Volcano, Aegean Sea
	S2p16	Prof. Chunye Lin	Arsenic chemical form and bioaccessibility and its health risk in the calcareous soil contaminated by nonferrous metal smelting
	S2p17	Prof. Tangfu Xiao	Geochemical enrichment of thallium and related human health risks in soils with high geological background in the karst region, Southwestern China
	S2p18	Ms Stefania Koutsourea	Laboratory methods for the extraction and characterization of microplastics in sediment and soil samples of the Attica region in Greece
	S2p19	Dr. Ifigeneia Megremi	Forest fires effect on groundwater quality and soil properties: The case of northern Euboea, Greece
	S2p20	Dr. Maria Roulia	Aluminosilicate Treatments to Remove an Anionic Azo Dye from Textile Wastewaters and Organic Wastes
15:10 – 15:30 Break/ Poster viewing			
15:30 – 16:30	S2o18	Dr. Jerry Olajide-Kayode	Assessing the quality of sediments in streams draining contrasting land use areas: Case study of Osogbo Metropolis, Southwestern Nigeria
	S2o19	Mrs Tarja Hatakka	Environmental risk assessment of a hazardous waste landfill surroundings
	S2o20	Mr Fotios Kyriakidis	Presence of asbestos in building materials and soils in urban areas
	S2o21	Dr. Javier Delgado Gallardo	Analysis of the release of synthetic micro and nanoparticles and chemical contaminants from disposable plastic face masks
	S2o22	Mrs Eirini Arezina Machaira	Evaluation of microplastic pollution on beaches of Leros, Greece

Tuesday 4 <sup>th</sup> July			
Oral presentations/ Flash presentations Session 3: Innovative data collection methods and environmental change Chairs: Dr. Michael Watts, Prof. Stephanos Kiliadis			
9:15 – 9:45	<b>Keynote Talk:</b> <b>Prof. Jane Entwistle</b>		<b>Baseline data on chemicals and microbial communities in regular households via a global citizen science-academic partnership</b>
9:45 – 10:50	S3o23	Mr Avgerinos Pitsilllis	Potentially Toxic Elements in dust of Cyprus homes: Magnetic susceptibility and human health risk assessment
	S3o24	Dr. Keith Torrance	Baseline characterization of Pb-Zn-Cu-Cd-As mine soils using pXRF for phyto-stabilisation trials using Phalaris arundinacea
	S3o25	Ms Jamie-leigh Abrahams	Trace metal content prediction along an AMD (Acid Mine Drainage)-Contaminated stream draining a coal mine using VNIR–SWIR Spectroscopy
	S3o26	Dr. Alicja Kicińska	Pyrite (FeS <sub>2</sub> ) as an accessory mineral and its effect on the content of As, Fe and S in soils
	S3p21	Ms Jamie-leigh Abrahams	Element dilution factors for detecting trace metal contamination along an AMD (Acid Mine Drainage)-affected stream
	S3p22	Prof. Ariadne Argyraki	Coupled geochemical data and unmanned aerial vehicle imaging of mining waste in the Sounion National Park
	S3p23	Dr. Awwal Bamanga	Novel framework to Assess and Manage Offshore Produced Water for Efficiency, Reliability, Safety and Sustainability at the Nigerian Offshore Environment
	S3p24	Dr. Anna Bourliva	Roadside pollution screening using magnetic properties of urban road dusts from the broader area of the city of Thessaloniki: particle size effect and spatial distribution
	S3p25	Dr. Filippo Brugnone	Triethylamine-assisted Mg(OH) <sub>2</sub> coprecipitation/preconcentration for determination of trace element concentrations in rainwater from Sicily, Italy
	S3p26	Prof. Ricardo Godoi	Analysis of premature deaths associated with particulate pollution in a lime industries area using low-cost air sensor data
	S3p27	Prof. Ricardo Godoi	Assessment of Railroad Atmospheric Emissions Using UAVs
	S3p28	Prof. Ricardo Godoi	Artificial Neural Networks assessed fire spot health impacts on the Manaus population
	S3p29	Dr. Maja Ivanić	Surface physicochemical and mineralogical characterization of coal ash and slag landfills (Croatia)
	S3p30	Prof. Karavoltos Sotirios	Composition and reactivity of metals associated with wood ash to better understand the potential impacts on water quality
10:50 – 11:10		<b>Break/ Poster viewing</b>	
11:10 – 12:45	S3o27	Mr Ioannis Kritikos	Hydrogeochemical and nitrate isotope composition along the Asopos river basin, Greece
	S3o28	Dr. Christopher Aura	The quantification of the extent of flooding on selected major afro-tropical lakes to guide management implications
	S3o29	Ms Sophia Dowell	Plutonium: a novel soil erosion tracer in Eastern Africa
	S3o30	Mr Georgios Siltzovalis	Innovative instrumentation for in situ monitoring of marine radiotracers
	S3o31	Dr Ioannis Madesis	αSPECT: Development of a novel radon detector adapted for operation in the marine environment
	S3o32	Dr. Andreas Gondikas	Methods for the detection and characterization of boat paint microplastics in the marine environment
	S3p31	Dr. Humphrey Olivier	Changing the nutritional status of forage grass due to changing soil chemistry resulting from different land-use management in the Oroba Valley, Kenya

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	S3p32	Mrs Konstantina Pyrgaki	Fusing marine radioactivity mapping and geochemical data using state-of-the-art GIS technology
	S3p33	Mr Fotios Kyriakidis	Heavy metal concentration and characterization of magnetic particles in soils from Central Macedonia, N. Greece.
	S3p34	Dr. Chinenye Onyeabor	Bioaccessibility: Estimation of Pollution status of Enyigba, Abakaliki Mine District of Southeast Nigeria using Indicator variables obtained from the sequentially extracted bioaccessible heavy metals in the soil of the area.
	S3p35	Dr. Angeliki Papoutsas	Raman Spectroscopy: new research opportunities in Economic Geology and Environmental Geochemistry in the National and Kapodistrian University of Athens (N.K.U.A)
	S3p36	Ms Maria Pitsou	Hydrogeochemical evaluation of Cr(VI) groundwater contamination in an industrial area of Greece- Evidence from water analysis and suspended particles observations
	S3p37	Dr. Sanja Potgieter-Vermaak	Evaluation of a rapid non-destructive method to determine PHE levels in living green wall leaves
	S3p38	Prof. Manuel Pozo	Asbestos waste management: Microwave-assisted acid treatments as an effective procedure for the inactivation of chrysotile
	S3p39	Dr. Maciej Swęd	Leaching efficiency of elements from Zn-bearing ore under chemical and biotic conditions: a potential method for secondary recovery of elements
12:45 – 13:45 Lunch/ Poster viewing			
Oral presentations/ Flash presentations Session 3 (continues) Chairs: Prof. Akinade Olatunji, Dr. Christina Stouraiti			
13:45 – 15:05	S3o33	Mr Nikolaos Zegkinoglou	Stable thallium (Tl) isotopic signature as a green and potentially toxic elements source and migration tracer in the underwater Kolumbo arc-volcano, Aegean Sea
	S3o34	Prof. Maurizio Barbieri	Isotope-based early-warning model for monitoring groundwater - leachate contamination phenomena: a quantitative assessment
	S3o35	Dr. Salvatore Dominech	Exploring Rare Earth Elements in Groundwater: Advancements in Analytical Techniques and Implications for Sustainable Resource Management
	S3o36	Mr David King	A novel, robust field-sampling method for preserving dissolved mercury species associated with waters related to artisanal gold mining
	S3o37	Mr. Kai Chen	Prediction of Ion Adsorption by Minerals Using Machine Learning Model
	S3o38	Prof. Ricardo Godoi	Amazonian fog: An overview of the single particles within the flying river
	S3p40	Prof. Maria Triantaphyllou	Response of Living Benthic Foraminifera to Anthropogenic Pollution and Metal Concentrations in Saronikos Gulf (Greece, Eastern Mediterranean)
	S3p41	Mr Aristofanis Vallas	Detection of post-fire soil contamination using inductively coupled plasma-mass spectrometry (ICP-MS)
	S3p42	Dr. Michael Watts	Novel geochemistry to determine the dynamics of land to lake transfers in the Lake Victoria basin to inform coordinated land-lake management strategies
Session 4: Global databases for geochemistry and beyond			
15:05 – 15:35	Keynote Talk: EurGeol Dr. Alexandros Demetriades		Standard methods for establishing the global geochemical reference network
15:35 – 15:55 Break/ Poster viewing			
15:55 – 16:45	S4o39	Ms Michalann Harthill	Review: Some pandemic RNA viruses emerge where geologic Se is unavailable to subsistence diets

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	S4o40	Dr. Olivier Humphrey	Assessing geospatial controls on the soil-crop-health nexus in western Kenya
	S4o41	Ms Artemis Kontomichalou	Evaluation of preliminary data from the pilot study for establishing the first Soil Geochemical Atlas of Hellas
	S4o42	Dr. Andrea Szucs	Challenges of interpreting data of multiple-purpose geochemical mapping and surveying

<b>Wednesday 5<sup>th</sup> July</b>			
Oral presentations/ Flash presentations Session 5: Global databases / Environmental geochemistry in the energy transition era Chairs: Dr. Jerry Olajide-Kayode, Prof. Ariadne Argyraki			
<b>9:15 – 9:45</b>	<b>Keynote Talk:</b> <b>Prof. Michael Ramsey</b>		<b>Estimation of measurement uncertainty from sampling at different spatial scales: microns to kilometers</b>
<b>9:45 – 10:40</b>	S5o43	Dr. Sanja Potgieter-Vermaak	Air Quality at an International Airport in South Africa
	S5o44	Dr. Martin Gaberšek	Oral bioaccessibility of potentially toxic elements in various environmental media
	S5o45	Dr. Christiana Mystrioti	Resin supported nano-iron for the remediation of contaminated waters: the role of host resin matrix
	S5o46	Dr. Lazar Kaluđerović	Geochemical origin of Ni and Cr in ranker-type soils formed on serpentinites massifs in Serbia
	S5p43	Dr. Fotini Botsou	Preliminary data of magnetic susceptibility from a pilot study for establishing the first Soil Geochemical Atlas of Hellas
	S55p44	Dr. Mateja Gosar	Closed mining waste deposits in the area of Pb-Zn Mine Mežica (Slovenia) and their influences on metal levels in sediments downstream
	S5p45	Ms. Elizabeth Hernandez-Alvarez	Impact of mercury from metallurgical activities in the child population of Cedral, Mexico
	S5p46	Dr. Ofelia Morton-Bermea	Metal(oid)s composition and human health risks assessment of PM10 collected in an urban area impacted by metallurgical activities in northern Mexico
<b>10:40 – 11:00 Break/ Poster viewing</b>			
Session 5: Environmental geochemistry in the energy transition era Chairs: Prof. Sanja Potgieter-Vermaak, Dr. Charalampos Vasilatos			
<b>11:00 – 12:40</b>	S5o47	Prof. Andrew Hursthouse	Recycling of Waste Electronic & Electrical Equipment (WEEE): scope to improve productivity and safety in the informal sector, a case study from Port Harcourt, Nigeria
	S5o48	Prof. Athanasios Godelitsas	Actinides in crystals of critical minerals
	S5o49	Dr. Filippo Brugnone	Lanthanoid geochemistry in rainwater from rural, urban, industrial, and volcanic areas of Sicily, Italy
	S5o50	Dr. Zacharenia Kypritidou	Retention of lead by olive-mill wastes derived biochar through batch experiments and geochemical modeling
	S5o51	Dr. Han Ye	Distribution and transformation of inorganic sulfur in sulfide mine tailings
	S5o52	Ms Dimitra Vathi	Is alkali activation of mixtures of marl and slag or metakaolin a feasible option for the stabilization of clayey soils?
	S5o53	Mrs Gillian Gibson	Unnatural cycles: Anthropogenic Disruption to Health and Planetary Functions
	S5p47	Dr. Marianthi Anastasatou	Soil geochemical spatial distribution trend of heavy metals in the Kimmeria Public Mining Area, Northern Greece
	S5p48	Prof. Jane Entwistle	In2Air: establishing a baseline to evaluate the impact of 'net-zero' household energy interventions on energy use, indoor air quality and occupant self-reported general health and wellbeing.
	S5p49	Prof. Ana Flávia Locateli Godoi	Reducing Heavy Metal Emissions: Positive Effects of IMO's Global Sulfur Cap 2020 on Air Quality at the Port of Paranaguá
	S5p50	Prof. Ricardo Godoi	Urban air quality: a geochemical fingerprint of the geology-land-use-health-nexus

<b>Wednesday 5<sup>th</sup> July</b>			
	S5p51	Prof. Ricardo Godoi	The impact of air pressure and temperature variations on gaseous and particulate pollutants from a Euro V-SCR engine fueled with biodiesel blends
	S5p52	Dr. Maja Ivanić	Impact of lanthanoid-enriched substrates on rare earth elements and yttrium uptake in vegetables
	S5p53	Dr. Alicja Kicińska	The presence and mobility of strontium (Sr) in various fractions of thermally processed municipal waste
	S5p54	Dr. Charalampos Vasilatos	Geochemical and environmental characterization of biomass ashes after combustion of olive kernel residues in an electricity power plant. Implications for the waste management and sustainability
	S5p55	Ms. Paraskevi Velli	Full scale stabilization of lead in polluted soil using palygorskite clay
<b>12:40 – 13:40 Lunch/ Poster Viewing</b>			
<b>13:40 – 16:10</b>	Session 6: Workshop on Diversity Inclusion and Integrity in Research and Academia (Organised by NEXUS monARC)		
<b>16:15 – 16:45</b>	CLOSING CEREMONY, PRIZE GIVING & SEGH AGM (ALL DELEGATES)		
<b>17:00</b>	Departure to Methana Field Trip or Free Evening		