



The 1st online-hosted meeting of the Society for Environmental Geochemistry and Health

Where: Zoom webinar, hosted by the British Geological Survey

When: Monday the 29th of June (pm) – Tuesday 30th of June (am)

Programme

Day 1: Monday the 29th of June, 13:00 – 16:00 (BST)

Time	Event	Speaker(s)	Chair
Opening session			
13:00	Sign in open		Zoom hosts
13:30 – 13:40	Opening remarks and welcome to delegates	Dr Michael Watts, SEGH President, Centre for Environmental Geochemistry, British Geological Survey	British Geological Survey
13:40 – 13:50	SEGH ECR activities for the future	Dr Olivier Humphrey	
Scientific session 1			
13:50 – 14:05 (includes 3 mins question time)	KEYNOTE: OPEN WEB MAPPING APPLICATIONS TO VISUALISE AND INTERROGATE ENVIRONMENTAL DATA IN WESTERN KENYA	Severine Cornillon (BGS, UK)	
14:05 – 14:10	OPTIMIZING SOIL FERTILITY MANAGEMENT DECISIONS IN MALI BY REMOTE SENSING	Djembe Dembele (France)	
14:10 – 14:15	PHYSICOCHEMICAL CHARACTERISATION OF ABANDONED GOLD MINE TAILINGS, LEACHATES AND POTENTIAL OF SELECTED INDIGENOUS PLANTS FOR PHYTOEXTRACTION OF INORGANIC CONTAMINANTS	Khumbelo Priscilla Makhado (South Africa)	
14:15 – 14:20	ECOLOGICAL AND HEALTH RISKS ASSOCIATED WITH EMISSIONS OF LEAD IN SOILS, SEDIMENTS, MINE TAILINGS AND PLANTS IN AN ARTISANAL MINING ENVIRONMENT, NORTH-EAST, NIGERIA	Dr Laniyan Temitope (Nigeria)	
14:20 – 14:30	Qs for 10 minute presenters		
14:30 – 14:35	DETERMINATION OF LOW CONCENTRATIONS OF REEs IN RIVER	Uwe Noetzel (Agilent Technologies)	

	WATER USING ICP-QQQ IN MS/MS MASS-SHIFT MODE		
14.35 – 14.40	ENSURING POPULATION SCREENING AFTER EXPOSURE TO ENVIRONMENTAL TOXINS IS WORTHWHILE	Dr Alex Stewart (UK)	
14.40– 14.45	GEOPHOBIAS: LINKING GEOLOGICAL EVENTS TO ILLOGICAL FEARS	Dr Moatez Tarek (Egypt)	
14:45 – 14:55	Qs for 10 minute presenters		
15 minute (make yourself a) coffee break			
Scientific session 2			
15:10 – 15:25 (includes 3 mins question time)	KEYNOTE: LANDSCAPE CONTROLS ON NUTRIENT STOICHIOMETRY AND LIGHT AVAILABILITY REGULATE LAKE PRIMARY PRODUCTION AT THE MARGIN OF THE GREENLAND ICE SHEET.	Dr Clay Prater (USA)	
15:25 – 15:30	ANTIMONY AND OTHER TRACE ELEMENTS IN BLOOD FROM CHILDREN EXPOSED IN AN ABANDONED METALLURGICAL AREA IN MEXICO	Dr Ofelia Morton-Berma (Mexico)	
15.30 – 15:35	EXPOSURE TO HEAVY METALS FROM GOLD MINE TAILINGS IN SOUTH AFRICA: HEALTH RISKS AND RESEARCH CHALLENGES	Dr Ljubica Zupunski (IARC-WHO, France)	
15:35 – 15:40	RISKY BUSINESS: BIOACCESSIBILITY RISK ASSESSMENTS USING THE CONTINUOUS ON-LINE LEACHING METHOD	Alastair Kierulf (Canada)	
15:40 – 15:50	Qs for 10 minute presenters		
15:50 – 16:05 (includes 3 mins question time)	KEYNOTE: ARE WE IN THE TWILIGHT OF COAL USE AND, IF SO, HOW WILL IT IMPACT HUMAN HEALTH?	Prof Robert Finkelman (USA)	
16:05 – 16:10	FRESHWATER FISH PRODUCTIVITY: DRIVERS, CORRELATES AND MICROPLASTICS	Haley MacLeod (Canada)	
16:10 – 16:15	EFFECT OF NUTRITIONAL CONTENT OF BOTH COMMERCIAL AND NON-COMMERCIAL FEEDS ON AQUACULTURE FISH IN WINAM GULF, LAKE VICTORIA	Melvine Otieno (Kenya)	
16:15 – 16:25	Qs for 10 minute presenters		
Closing session			
16:25 – 16:30	Day 1 wrap up discussion and closing remarks	All delegates	Dr Dan Middleton
Social event			
16:30 onwards	Online Apéro: cameras on, say cheers with your choice of beverage, share anecdotes etc.	All delegates	SEGH Arms

Day 2: Tuesday 30th of June, 09:00 – 12:15 (BST)

Time	Event	Speaker(s)	Chair
Scientific session 1			
09:00 – 09:15 (includes 3 mins questions)	KEYNOTE: BIOGEOCHEMICAL RELEASE OF ARSENIC FROM LAKEBED SEDIMENTS RECEIVING AN ACID MINE DRAINAGE, KUSATSU HOT SPRING, JAPAN: ROLES OF ORGANIC ACIDS AND BACTERIAL SULPHATE REDUCTION	Prof Kosei Yamaguchi (Japan)	
09:15 – 09:20	MANIPULATION OF SOIL FAUNA, TERMITES AND THEIR ALLIES (DECOMPOSITION AGENTS) FOR SUSTAINABLE FOOD PRODUCTION UNDER CLIMATE CHANGE	Momade Mamudo Ibraimo (Mozambique)	
09:20 – 09:25	ASSESSMENT OF HEAVY METALS AND NUTRIENTS STATUS AT A RECLAIMED MINE SITE	Adams Sadick (Ghana)	
09:25 – 09:30	USE OF MULTISTAGE PHYTOREMEDIATION TECHNIQUES IN WASTEWATER TREATMENT	Dr Lucy Luguru Wanjohi (Kenya)	
09:30 – 09:40	Qs for 10 minute presenters		
09:40 – 09:45	ANALYSING TRACE ELEMENTS IN SEDIMENT USING ED-XRF	Marietha du Toit (South Africa)	
09:45 – 09:50	ESSENTIAL AND TOXIC ELEMENTS IN SOIL AND PLANT SAMPLES AND THEIR TRANSFER TO RICE GRAINS OF ITOKIN, SOUTHWESTERN NIGERIA	Dr Akinade Olatunji (Nigeria)	
09:50 – 09:55	IMPACT OF 2, 4, 5 TRICHLOROPHENOXY ACETIC ACID ON THE METAMORPHOSIS OF XENOPUS LAEVIS AND THE REMEDIAL CAPACITY OF ASCORBIC ACID	Job Isaboke (Kenya)	
09:55 – 10:05	Qs for 10 minute presenters		
10 minute (make yourself a) coffee break			
Scientific session 2			
10:15 – 10:30 (Includes 3 mins questions)	KEYNOTE: DETERMINATION OF METABOLIC BIOMARKERS OF OCCUPATIONAL EXPOSURE TO E-WASTE DISMANTLING POLLUTION	Prof Taicheng An (China)	
10:30 – 10:35	CONTAMINATION AND HEALTH RISK ASSESSMENT OF MERCURY FROM SOIL AT ARTISANAL GOLD MINING AND PROCESSING SITES IN CENTRAL NIGERIA	Dr Mary Odukoya (Nigeria)	
10:35 – 10:40	A SYSTEMATIC REVIEW OF CANCER AMONG PETROLEUM INDUSTRY WORKERS	Dr Felix Onyije (IARC-WHO, France)	
10:40 – 10:45	CANCER RISKS IN AGRICULTURAL WORKERS: FINDINGS FROM AN INTERNATIONAL CONSORTIUM OF AGRICULTURAL COHORT STUDIES (AGRICOH)	Dr Kayo Togawa (IARC-WHO, France)	

10:45 – 10:55	Qs for 10 minute presenters		
10:55 – 11:00	AT THE PERIPHERY OF GAPS: NEEDS ASSESSMENT IN DEFINING LAKE VICTORIA RESOURCE USE FOR MANAGEMENT IMPLICATIONS	Dr Chris Aura (Kenya)	
11:05 – 11:10	HEPATIC POLYCHLORINATED BIPHENYL CONGENERS CONTAMINATION OF SELECTED ITCHTHYOFAUNA (FISH) OF TANA RIVER, KENYA	Collins Ongore (Kenya)	
11:10 – 11:15	DIRECT DETERMINATION OF INORGANIC CARBON TO ACCELERATE, EASE AND SIMPLIFY THE ANALYSIS OF GRAPHITIC CARBON	Tacettin Ozturk (Turkey-Lita Analytical)	
11:15 – 11:20	MULTIELEMENTAL SURVEY AT LAKE VICTORIA BASIN HERALDS ENVIRONMENTAL MANAGEMENT-RELATED NUTRITIONAL DEFICIENCY CRISIS	Prof Odipo Osano (Kenya)	
11:20 – 11:30	Qs for 10 minute presenters		
Closing session			
11:30 – 11:40	Day 2 wrap up discussion and closing remarks	All delegates	Dr Olivier Humphrey
SEGH AGM			
11:40 – 12.30	To include: SEGH developments Meet the International Board Feedback from members ECR-led discussions	All delegates	