Programme

Joint Conference of ISEH ICEPH & ISEG on Environment and Health

ISEH: International Symposium on Environment and Health
ICEPH: International Conference on Environmental Pollution and Health
ISEG: International Symposium on Environmental Geochemistry

Conference Theme:
Environment, Health, GIS and Agriculture in the Big Data Era

University of Galway, Ireland
August 11—18, 2024
www.universityofgalway.ie/iseh-iceph

Welcome Message

On behalf of the Steering and Organizing Committee of the joint Conference of ISEH, ICEPH & ISEG on Environment and Health, including ISEH 2024, ICEPH 2024 & ISEG 2024, I would like to extend my warmest welcome to all delegates from all over the world. The joint conference provides a historical opportunity for international experts working in environment, health, and closely related areas including GIS and agriculture, to meet and share the latest understanding of the ever-growing challenges between human and our changing environment. As a joint conference, delegates are allowed and encouraged to attend any sessions of the conferences and to extend their academic networks. This approach of conference organisation maintains the traditional identities of ISEH, ICEPH and ISEG conference series while providing a new opportunity of networking for all delegates.

The themes of the conference include the most challenging issues that human beings are currently facing. With the economic development and improvement of our quality of life, the environment around us is under pressure, and often deteriorated. The themes of the Programme cover a wide range of topics within the environment and health spheres. In addition to the scientific themes, I would like to highlight that the current research focuses more on impact, with the involvement of stakeholders from all walks of life.

To complement the academic programme of the conference, we have also organised 5 conference field trips to the Burren and Cliffs of Moher, Connemara and Kylemore Abbey and the Aran Islands as well as a number of unforgettable social events. Galway is a popular tourist destination, attracting more than 1 million international visitors annually. Conference delegates and their accompanying persons will undoubtedly make significant contribution to the local economy. I hope Galway will provide you a good experience with its well preserved Irish tradition, hospitality and natural beauty. Thank you and enjoy your stay in Galway!

Prof. Chaosheng Zhang 张朝生

Chair
Joint Conference of ISEH, ICEPH & ISEG
on Environment and Health

Table of Contents

Conference Background

The Joint Conference of ISEH (International Symposium on Environment and Health), ICEPH (International Conference on Environmental Pollution and Health) and ISEG (Environmental Symposium on Environmental Geochemistry) will be held in Galway, Ireland. The conference was originally planned in 2020. Due to the outbreak of Covid-19, it is postponed until August 11-18, 2024.

The format of this conference is in-person!

The conference series of ISEH, ICEPH and ISEG provide internationally leading platforms for interaction between scientists, consultants, and public servants engaged in the multi-disciplinary areas of environment and health. With the fast economic development, the importance of environment and health is increasingly recognized in the world. There is a growing demand for international experts to work together on this emerging topic of common interest. Meanwhile, in the big data era, we are facing new challenges and opportunities. This conference provides a timely opportunity for a direct communication between international experts, and helps to foster and develop international collaborations.

Galway is recognized as "2020 European Capital of Culture". Located in the west of Ireland, Galway is one of the most popular tourist destinations in Europe and attracts more than 1 million international tourists annually. It is easily accessible, with frequent train connections with Dublin and frequent direct bus connections with Dublin Airport and Shannon Airport. The conference venue is the campus of University of Galway, within walking distance of Galway's city centre.

This conference is directly linked to the following SDGs the United Nations:
Goal 3: Health;
Goal 4: Education;
Goal 6: Water and Sanitation;
Goal 8: Economic Growth;
Goal 9: Infrastructure, industrialization;
Goal 11: Cities;
Goal 12: Sustainable consumption and production;
Goal 13: Climate Action;
Goal 14: Oceans;
Goal 15: Biodiversity, forests, desertification;
Goal 17: Partnerships for the goals.

Organisers

Ollscoil na Gaillimhe
University of Galway

暨南大學
JINAN UNIVERSITY

THE GEOGRAPHICAL SOCIETY OF CHINA

Co-Organisers

(In alphabetic order)

Asia Resilience Center
Beibu Gulf University
Central South University of Forestry & Technology
Centre for One Health, University of Galway
Chengdu Technological University
Chinese-European Society for Environment, Ecology & Sustainability (CESEES)
EuroGeoSurveys Geochemistry Expert Group
Geological Survey Ireland
Guangdong University of Technology
Guangzhou University
Guizhou Medical University
Harbin Institute of Technology
Henan University
IHE Delft, the Netherlands
Indian Institute of Technology Guwahati, India
Institute of Eco-environmental and Soil Sciences, Guangdong Academy of Sciences
Institute of Geographical Sciences and Natural Resources Research, CAS
Institute of Urban Environment, CAS
International Environmental and Health Science Consortium (IEHSC)
International Medical Geology Association (IMGA)
Ireland Brownfield Network
IUGS Commission on Global Geochemical Baselines
Nanjing Agricultural University
Nanjing Institute of Geography and Limnology, CAS
Nankai University
NHC Key Laboratory of Reproductive Health
Northwest Institute of Eco-Environment and Resources, CAS
Peking University
Ryan Institute, University of Galway
South China University of Technology
Southwest Key Laboratory of Land Resources Evaluation and Monitoring, SICNU
The Committee on Environment and Reproductive Health, CEMS
Virginia Tech
UNESCO International Center on Global-Scale Geochemistry
Xiamen University
Xi'an University of Technology
Yantai Institute of Coastal Zone Research, CAS

ISEH conference history

(Once every two years):
1st ISEH conference: SESEH (Sino-European Symposium on Environment and Health) 2012, Galway
2nd ISEH conference: ISEH 2014, Beijing
3rd ISEH conference: ISEH 2016, Galway
4th ISEH conference: ISEH 2018, Shanghai
5th ISEH conference: ISEH 2024, Galway (this conference)

ICEPH conference history

(Annual conference):
1st ICEPH conference: ICEPH 2015, Guangzhou
2nd ICEPH conference: ICEPH 2016, Guangzhou
3rd ICEPH conference: ICEPH 2017, Guangzhou
4th ICEPH conference: ICEPH 2018, Tianjin
5th ICEPH conference: ICEPH 2019, Harbin
6th ICEPH conference: ICEPH 2021, Guangzhou
7th ICEPH conference: ICEPH 2023, Xi'an
8th ICEPH conference: ICEPH 2024, Galway (this conference)

ISEG conference history

(once every three years):
1985, the 1st ISEG, Kuopio, Finland
1991, the 2nd ISEG, Uppsala, Sweden
1994, the 3rd ISEG, Krakow, Poland
1997, the 4th ISEG, Vail, Colorado, USA
2000, the 5th ISEG, Cape Town, South Africa
2003, the 6th ISEG, Edinburgh, Scotland
2006, the 7th ISEG, Beijing, China
2009, the 8th ISEG, Ouro Preto, Brazil
2012, the 9th ISEG, Aveiro, Portugal
2016, the 10th ISEG, Galway, Ireland
2019, the 11th ISEG, Beijing, China
2024, the 12th ISEG, Galway, Ireland (this conference)

Sponsor & Exhibitors

Sponsors

Thank you to our Sponsor

Fáilte Ireland

MEET IN IRELAND

Exhibitors

Meet with our exhibitors at their stands located during the conference at Bailey Allen Hall, Áras na Mac Léinn.

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Conference Committee

Honorary Chairs
- Tao, Shu
  Peking University
- Selinus, Olle
  Linnaeus University

Chair
- Zhang, Chaosheng
  University of Galway

Co-Chairs (ISEH & ISEG)
(in alphabetic order)
- An, Taicheng
  Guangdong University of Technology (Environment)
- Lin, Hui
  Jiangxi Normal University (GIS)
- O Brolchain, Niall
  University of Galway (IT)
- O'Donoghue, Cathal
  University of Galway (Agriculture)
- Zhang, Aihua
  Guizhou Medical University (Health)
- Zhang, Guoyou
  The Geographical Society of China (Geography)

Co-Chairs (ICEPH)
- Zeng, Eddy
  Jinan Universit
- Schlenk, Daniel
  University of California, Riverside

Academic Secretary
- Ding, Shiming
  Nanjing Institute of Geography and Limnology, CAS

Steering Committee
See details on the conference website:
www.universityofgalway.ie/iseh-iceph/committees

Conference Secretariat
Go West Conference and Event Management
www.gowest.ie
enquiries@gowest.ie

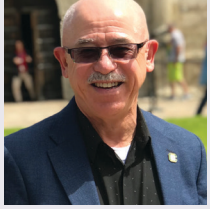
Invited Speakers
See details on the conference website:
www.universityofgalway.ie/iseh-iceph/invitedspeakers

Session Convenors
See details on the conference website:
www.universityofgalway.ie/iseh-iceph/sessions

Themes
- Agriculture: Food quality, Precision agriculture, nutrient management, agricultural soil quality, in-field variation
- Air Pollution and Human Health
- Big data, GIS and quantitative methods in environment and population health
- Climate change and population health
- Emerging pollutants in the environment
- Environmental health and public health
- Human exposure and mechanism
- Links between environment and health, environment and genetic interaction
- Medical geology and endemic diseases
- New technologies: monitoring technologies, analytical technologies, soil remediation, wastewater treatment, air pollution control
- Microbial production of chalcogen nanoparticles
- Pollutants: metals and metalloids; persistent organic pollutants and pesticides
- Role of metals in biodegradation
- Social impact assessment, economics and policies
- Soil quality and risk assessment
- Water quality and human health

Plenary Speakers

(In Alphabetical Order)
- Centeno, Jose A.
- Cheng, Qiuming
- Dai, Minhan
- Demetriades, Alecos
- Finkelman, Robert
- Fu, Bojie
- Jiang, Guibin
- Sparks, Donald
- Tao, Shu
- Wang, Xueqiu
- Wang, Yanxin
- Wong, Ming-Hung
- Zhao, Fang-Jie
- Zhu, Tong



Jose A. Centeno

Jose A. Centeno is a co-founding member of International Medical Geology Association (IMGA), and the Director of the International Environmental & Health Sciences Consortium. He is a Fellow of the Royal Society of Chemistry (FRSC); Honorary Academician, Royal Academy of Medicine and Surgery, Andalucía Oriental, Spain, and he was recently appointed as Endowment Chair on Medical Geology and Director, "Jose A. Centeno International Center on Medical Geology Research" at Nasarawa State University, Keffi, Nigeria. Dr. Centeno served as the Director of the Division of Biology, Chemistry and Materials Science at the US Food and Drug Administration, and as Director of the Biophysical Toxicology Laboratories at the US Armed Forces Institute of Pathology. Internationally, he has served as Regional Officer for the International Union of Geological Sciences and its Commission on Geosciences for Environmental Management (2005), as Senior Advisor for the IUGS-International Year of Planet Earth (2007–2009), and as invited speaker at the US Academy of Sciences, Swedish Academies of Sciences and the Academia Sinica of Taiwan, China. He serves on the Editorial Board of two scientific journals, as Associate Editor of the book on Essentials of Medical Geology (1st Edition 2005, 2nd Edition 2013), and is the founder of the International Medical Geology Conference Series (MEDGEO).

Plenary
Tuesday 13 August
09:30-10:00
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Medical Geology - Integrating Environmental Science, Public Health and Earth Sciences

Qiuming Cheng

Qiuming Cheng is a Chinese National Expert Professor and the founding director of the State Key Lab of GPMR at China University of Geosciences (Beijing). He holds a professorship at Sun Yat-sen University (Zhuhai) where he develops a new Center on Big Data for Prediction of Geo-Xevents at School of Earth Sciences and Engineering. Qiuming Cheng obtained his PhD in Earth Science at the University of Ottawa in 1994, spent a year as PDF at the Geological Survey of Canada and soon become a professor with cross appointments in the Dept. of Earth and Space Science and Dept. of Geography at York University, Toronto.

Professor Cheng's research focuses on the development and application of modern mathematical geocomplexity theories for modeling nonlinear geo-processes and for the quantitative prediction of mineral resources. His pioneering research on the new fractal density theory and local singularity analysis made major impacts on several geoscientific disciplines, including those concerned with extreme geological events originated from nonlinear processes of plate tectonics such as formation of supercontinents, magmatism, mid-ocean ridge heat flow, earth quakes and mineralization. He has authored and co-authored more than 300 refereed journal papers and book chapters and delivered over 100 invited and keynote presentations. His work on geochemical anomalies recognition by fractal methods has opened a new and emerging sub-field of exploration and environment geochemistry and his paper has become the most cited papers in the field. Applications of these methods have led to several discoveries of new mineral deposits in China and worldwide. Professor Cheng has received several prestigious awards including the Krumbein Medal, the highest award given by the International Association for Mathematical Geosciences. Professor Cheng has served as associate editors for Computers & Geosciences and Journal of Exploration Geochemistry. He has served as President of International Association for Mathematical Geosciences (IAMG) (2012–2016) and President of International Union of Geological Sciences (IUGS) (2016–2020).

Plenary
Tuesday 13 August
15:00-15:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Integration of Big Data and AI Techniques for Understanding Arsenic Behaviour in Mineralization Processes

Minhan Dai

Minhan Dai is a chair professor of marine environmental science at Xiamen University, where he served as the Director of State Key Laboratory of Marine Environmental Science between 2005–2021. His primary research interests include ocean carbon/nutrients biogeochemistry and their coupling with ocean dynamics in the broad context of climatic and environmental changes. He is also well known for his work on marine radiochemistry. Recently, his research scope has expanded to the interface between science and policy. He has published >250 peer-reviewed papers in leading international journals. He was elected an Academician of the Chinese Academy of Sciences in 2017 and won the 2022 Axford Medal Award (by Asia-Oceania Geosciences Society, AOGS in recognition of excellence in geosciences).

He is a member of the expert group of the High-level panel for a Sustainable Ocean Economy, and a council member of the China Council for International Cooperation on Environment and Development (CCICED). He was co-chair of the international program: Surface Ocean and Low Atmosphere Study (SOLAS) during 2011-2013. He is a leading PI of "Coastal Zones Under Intensifying Human Activities and Changing Climate: A Regional Programme Integrating Science, Management and Society to Support Ocean Sustainability (COASTAL-SOS)", which was endorsed by the UN Decade of Ocean Science for Sustainable Development Program (2021–2030) as a project.

Plenary
Wednesday 14 August
15:00-15:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Coastal Ocean Under Intensifying Human Activities and Changing Climate: from Science to Sustainability and needs for a digital twin platform

Alecos Demetriades

Alecos has more than forty-five years experience in Applied Geochemistry. Worked at Rio Tinto Finance and Exploration Limited (1972–1973) as a researcher for the compilation of a global mineral deposits inventory, and as a consultant and trainer in applied geochemistry for mineral exploration purposes (1990 and 1997–1998). Since 1976 worked at the Hellenic Institute of Geology and Mineral Exploration (I.G.M.E.) as a geologist-applied geochemist and has managed many exploration geochemical and environmental geochemistry projects. From April 2009 until his retirement in November 2011 held the post of Director of the I.G.M.E. Division of Geochemistry and Environment.

Since 1986, he is a member of the EuroGeoSurveys Geochemistry Expert Group in its different forms. Currently holds the Chair of the Sampling Committee of the IUGS Commission on Global Geochemical Baselines, and he is an Advisory Panel member of the Commission's Steering Committee. Author to more than a hundred publications, and co-editor of European Geochemical Atlases, geochemical field sampling manuals, textbook on Urban Geochemistry, and special issues of the Journal of Geochemical Exploration. Served for many years as an associate editor for the Journal of Exploration Geochemistry, and is currently associate editor for the journal of Geochemistry: Exploration, Environment, Analysis.

Plenary
Tuesday 13 August
14:30-15:00
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Standardisation of Applied Geochemical Methods

Robert Finkelman

Finkelman retired from the U.S. Geological Survey in 2005. Currently a Research Professor in the Dept. of Geosciences at the University of Texas at Dallas and an Adjunct Professor at the China University of Geosciences, Beijing. Internationally recognized known for his work on coal chemistry and as a leader of the emerging field of Medical Geology. He has lectured and provided mentorship at colleges and universities around the world. He more than 900 publications and has been invited to speak in more than 50 countries. He is a Fellow of the Geological Society of America and has served as Chairman of the Geological Society of America's Coal Geology Division; founding member and past Chair of the International Medical Geology Association; President of the Society for Organic Petrology; Past-Chair of the GSA's Geology and Health Division. He is the recipient of a U. S. State Department Embassy Science Fellowship.

Plenary
Tuesday 13 August
09:00-09:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Medical Geology: 20 Years of Progress

Bojie Fu

Bojie Fu is a distinguished professor of landscape ecology at the State Key Lab. of Urban and Regional Ecology, Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences (CAS). He is the member of Chinese Academy of Sciences, Foreign member of the American Academy of Humanities and Sciences, Corresponding Fellow of the Royal Society Edinburgh UK and Honorary fellow of the Royal Geographical Society. He is mainly engaged in research on physical geography and landscape ecology, and has made systematic and innovative achievements in land use structure and ecological processes, landscape ecology and ecosystem services, and sustainable development. He has published more than 400 papers in SCI journals, including Science, Nature, National Science Review, and so on, more than 10 books, and more than 10 consulting reports for China, and has been selected as a highly cited scholar with more than 40,000 citations at home and abroad.

Plenary
Thursday 15 August
09:00-09:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Ecosystem Health and Sustainable Development

Guibin Jiang

Guibin Jiang is a professor at the Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences (CAS). He serves as an Associate Editor of Environmental Science & Technology, and is the Academician of Chinese Academy of Sciences. The main area of Prof. Jiang's research is focused on the identification, fate, exposure, and health effects of persistent and toxic substances.

Other areas of interest involve chemical speciation analysis, analytical instrument innovation, environmental toxicology, impacts of nanomaterials, and isotope tracing techniques. Prof. Jiang has contributed more than 1100 papers in peer-reviewed scientific journals with more than 800 lectures including plenary and keynote lectures at international and national meetings.

Plenary
Monday 12 August
14:30-15:00
Plenary and Parallel Room 1 – Bailey Allen Hall
—
New pollutants study in China: History & future perspective

Donald Sparks

Donald L. Sparks is the Unidel S. Hallock du Pont Chair and Francis Alison Professor at the University of Delaware. He is internationally recognized for his research in the areas of kinetics of biogeochemical processes and surface chemistry of natural materials. His research has focused on fate and transport of trace metals in soil and water, soil remediation, water quality, and carbon sequestration in soils. He is the author of three textbooks, 12 edited books, and 370 refereed papers and book chapters. Dr. Sparks is a fellow of five scientific societies, and he has been the recipient of major awards and lectureships including the Geochemistry Medal from the American Chemical Society, the Liebig Medal from the International Union of Soil Sciences, Pioneer in Clay Science award from the Clay Minerals Society, an Einstein Professorship from the Chinese Academy of Sciences and the Philippe Duchaufour Medal from the European Geosciences Union. Dr. Sparks served as president of the Soil Science Society of America and the International Union of Soil Sciences and as chair of the U.S. National Academy of Sciences (NAS) Committee for Soil Sciences.

Plenary
Thursday 15 August
09:30-10:00
Plenary and Parallel Room 1 – Bailey Allen Hall
—
The Climate, Soil, and Health Nexus:Grand Challenges in a Changing Environment

Shu Tao

Shu Tao is a chair professor of Peking University and South University of Science and Technology. He is a member of Chinese Academy of Science and a member of National Steering Committee on Environmental Protection. He serves as Associate Editor of Environmental Science & Technology. His current research interests include global emission inventories of various air pollutants, atmospheric transport and population exposure modeling, household air quality, and indoor air pollution. He has more than 200 papers published in peer-reviewed international journals, with total citation over 30,000 and H-index (Web of Science) of 102.

Plenary
Monday 12 August
08:45-09:15
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Cost and Health benefits of promoting clean cooking and heating in rural China

Xueqiu Wang

Wang Xueqiu: Chief Scientist, UNESCO International Centre on Global-scale Geochemistry (ICGG) and Institute of Geophysical and Geochemical Exploration (IGGE), CAGS.
Wang Xueqiu was born in 1963, got his B.Sc, MSc and PhD in geochemistry from Jilin University in 1986, 1989 and 1998 respectively. He works as a geochemist, senior geochemists and research fellow at the IGGE, an Emeritus Professor at China University of Geosciences (since 2003), Chang'an University (since 2005), Jilin University (since 2007), and Chengdu University of Science and Technology (since 2011). He has 35-year experience in exploration geochemistry and global-scale geochemistry. His research led to discovery of 16 large gold and 4 rare earth element deposits. As a co-leader for the IUGS Commission on Global Geochemical Baselines (2008–2020) and an executive director of UNESCO International Centre on Global-scale Geochemistry (since 2016) initiated the Chemical Earth Program. As of 2023, Global Geochemical Baselines Networks has covered a total area of about 39 million km 2, nearly accounting for 33% of the global land and created the China Geochemical Observation Networks with 3-round revisit sampling campaigns throughout China. He, as a professor at both academy and universities have mentored 6 Postdocs, 25 PhD and 9 Master students. He has published 260 papers both in English and Chinese. He was awarded for China Government Outstanding Scientist Honor in 2008, China National Prize for Science and Technology Progress Award in 2012, 70th Anniversary Commemorative Medal of the Founding of the People's Republic of China in 2019, First Prize of the Ministry of Natural Resources in 2021.

Plenary
Wednesday 14 August
14:30-15:00
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Chemical Earth Program: Global Geochemical Observation Networks

Yanxin Wang

Yanxin Wang is Professor of Hydrogeology and Environmental Engineering of China University of Geosciences. He is the academician of Chinese Academy of Sciences and IAGC Fellow. Prof. Wang and his multi-disciplinary group have made great efforts in studying mechanisms of groundwater contamination and developing cost-effective technologies of site remediation. They have been actively engaged in international collaborations and successfully integrated inter-disciplinary approaches of hydrogeochemistry, groundwater hydraulics, sedimentology, geostatistics, isotope geochemistry, ecohydrology and geomicrobiology, to better understand the processes and factors controlling the fate of geogenic contaminants (arsenic, fluoride, iodine, ammonium and phosphorus etc.) in typical aquifer systems of the Datong Basin, Hetao Basin, North China Plain and central Yangtze River Basin. He was the recipient of Applied Hydrogeology Award of IAH (International Association of Hydrogeologists) and John Hem Award of NGWA (National Ground Water Association). He is a member of the editorial committee of Annual Review of Environment and Resources.

Plenary
Monday 12 August
15:00-15:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Mapping Distribution of Geogenic Contaminated Groundwater Using Machine Learning Methods

Ming-Hung Wong

Professor Wong is an advisor at the EdUHK, Chang Jiang Chair Professor (China), and a member of the European Academy of Sciences and Arts. He served as the Editor-in-Chief of EGAH (2002–2023). In addition to his PhD (Durham), he was awarded a DSc (Durham) and a DSc (Strathclyde) in 1992 and 2004 based on publication. Under Environmental Science, he is ranked (career-long) 6th for 3 years and 8th for 1 year globally (World's Top 2% Scientists, Stanford University, 2020–2023), and 1st in China (Research.com's Best Researchers in Various Disciplines, 2023). He was awarded the Croucher Senior Fellow (HK) in 1997; the Royal Society Visiting Fellow (UK) in 2000; the Milton Gordon Award for Excellence in Phytoremediation (International Phytotechnology Society) in 2016; Fellow of the SEGH in 2018; and a Silver Medal (Food Waste for Safe/Quality Fish Production) of the International Inventions (Geneva) in 2019.

Plenary
Wednesday 14 August
15:00-15:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Food Contamination and Health Impacts: Geochemical and Environmental Pollutants

Fang-Jie Zhao

Fang-Jie Zhao is a Professor of Environmental Science at Nanjing Agricultural University, China. He received his PhD at Newcastle University, U.K. His research focuses on the biogeochemistry of essential trace elements and toxic metals/metalloids in soil-plant systems, molecular mechanisms of trace element uptake by plants, biofortification of essential micronutrients and bioremediation of contaminated soils. His research group adopts a multidisciplinary approach, employing research tools and methodologies in environmental chemistry, soil microbiology, plant genetics and molecular biology. His research goal is to enhance essential micronutrients and minimize toxic metals/metalloids in food crops for the benefit of human health and agricultural sustainability. He has co-authored two books and published over 400 peer-reviewed journal papers. He is a Highly Cited Researcher by Clarivate Analytics (2017–2023). He was awarded The World Academy of Sciences (TWAS) Award in Agricultural Science and the International Fertilizer Association's Norman Borlaug Plant Nutrition award in 2022.

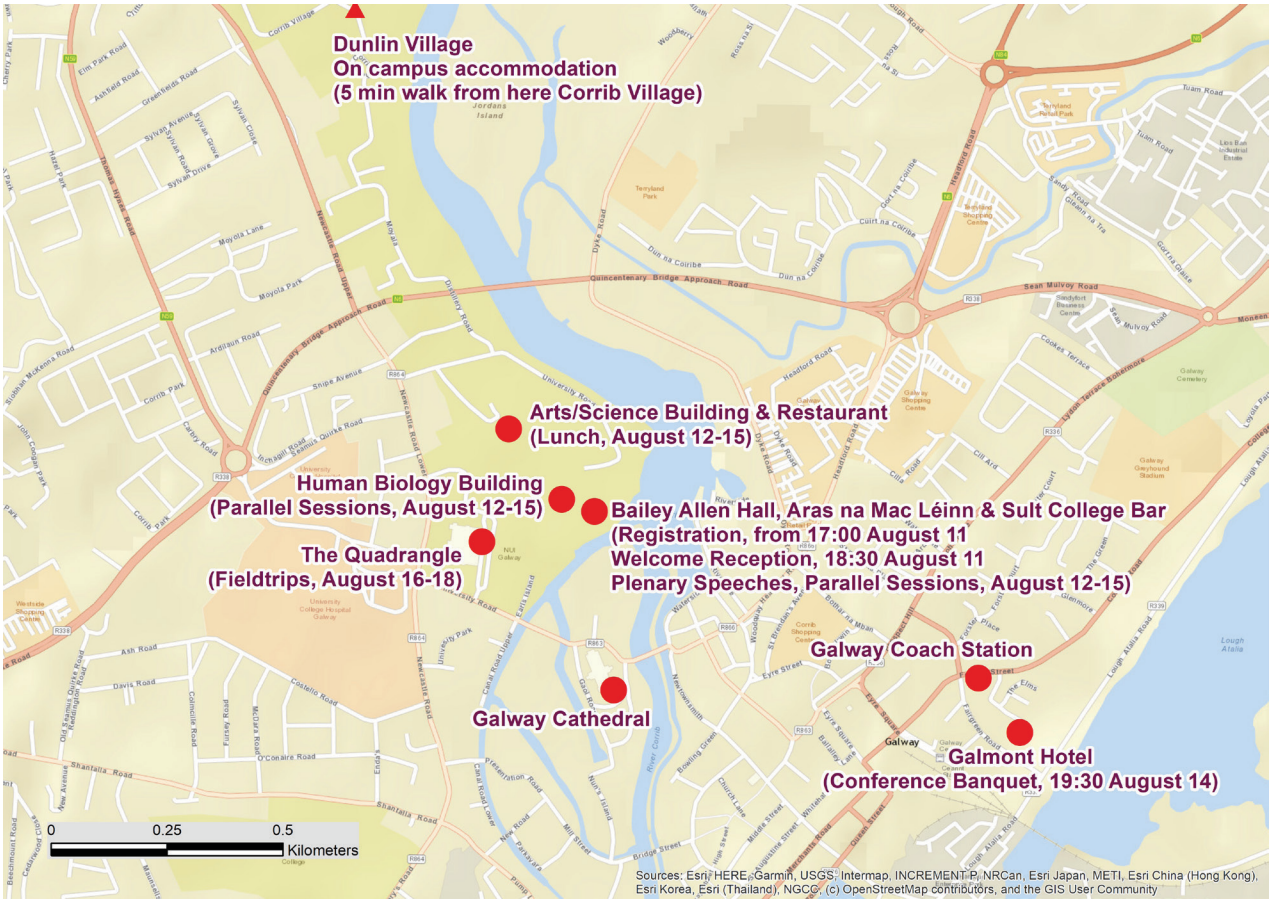
Plenary
Wednesday 14 August
09:00-09:30
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Arsenic biogeochemistry in paddy soil and strategies to limit arsenic accumulation in rice

Tong Zhu

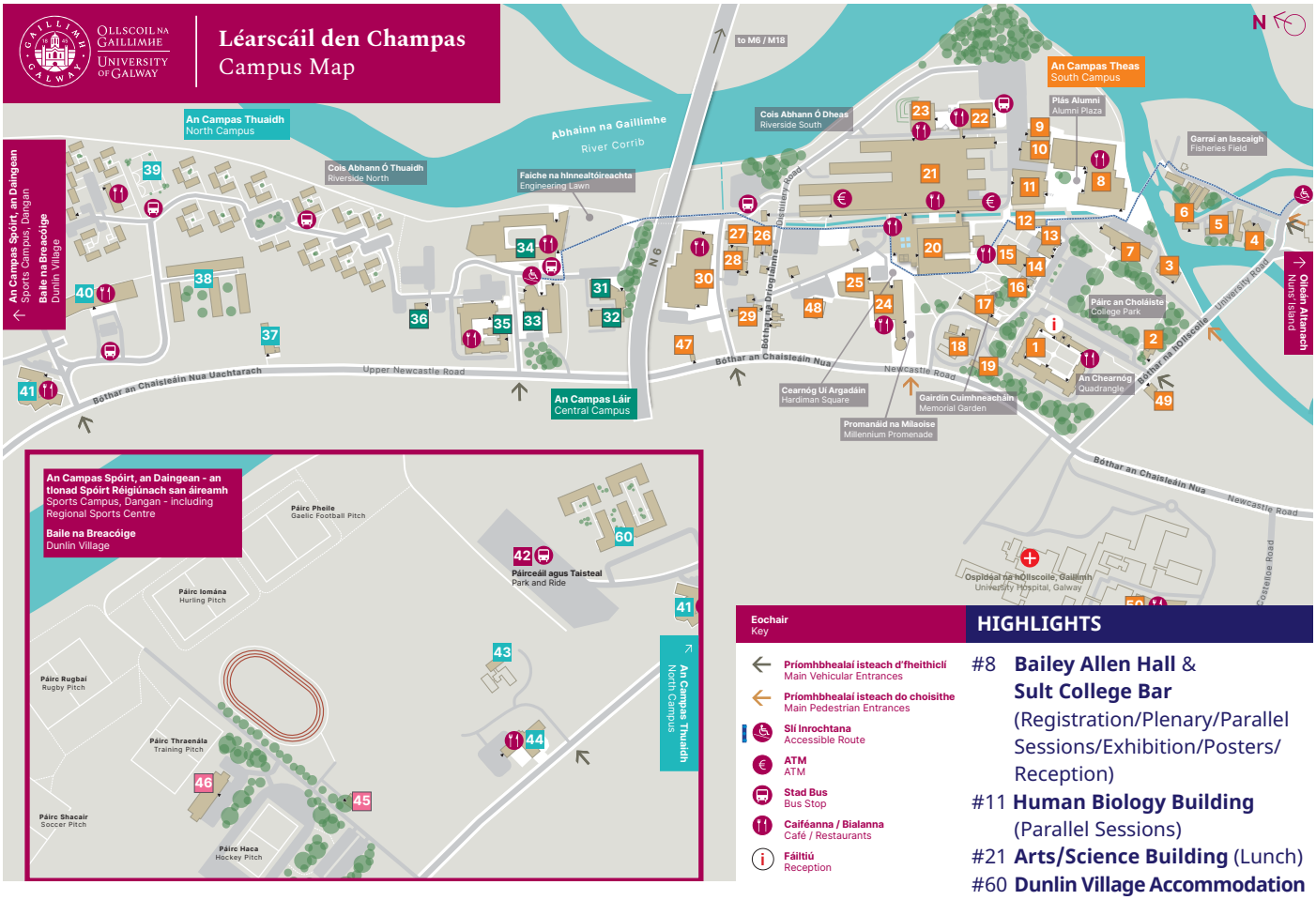
Tong ZHU is a Boya Chair Professor, College of Environmental Sciences and Engineering, Peking University. He graduated with BSc and MSc from Peking University, and Dr. rer. nat in Physical Chemistry from Wuppertal University, Germany. Since 1999, he holds a professor position at Peking University, was the founding director of the Center for Environment and Health (2007–2022) and the dean of the College of Environmental Sciences and Engineering (2012–2023). He is a member of Chinses Academy of Sciences (2021) and Chinese Academy of Medical Sciences (2022), a Fellow of American Geophysical Union (2019), and appointed as a Counsellor of the State Council of People's Republic of China (2020). His research focuses on Atmospheric Chemistry and Environmental Health, and has published more than 480 papers in Science, PNAS, JAMA and other journals. He is the chair of Future Earth-Monsoon Asia Integrated Research for Sustainable Development (FE-MAIRS) and other academic organization.

Plenary
Monday 12 August
09:15-09:45
Plenary and Parallel Room 1 – Bailey Allen Hall
—
Maximizing the Health Benefits of Air Pollution Control and Climate Change Mitigation

Galway City Map



University of Galway Campus Map



Eochair
Key

- Príomhbhealaí isteach d'fheithiclí — Main Vehicular Entrances
- Príomhbhealaí isteach do choisithe — Main Pedestrian Entrances
- Slí Inrochtana — Accessible Route
- ATM — ATM
- Stad Bus — Bus Stop
- Caiféanna / Bialanna — Café / Restaurants
- Fáiltiú — Reception

HIGHLIGHTS

#8 **Bailey Allen Hall & Sult College Bar** (Registration/Plenary/Parallel Sessions/Exhibition/Posters/ Reception)

#11 **Human Biology Building** (Parallel Sessions)

#21 **Arts/Science Building** (Lunch)

#60 **Dunlin Village Accommodation**

An Campas Spóirt, an Daingean - an tIonad Spóirt Réigiúnach san áireamh
Sports Campus, Dangan - including Regional Sports Centre

An tÁras Spóirt Sports Pavilion	46
Teach Maryville Maryville House	45

An Campas Thuaidh
North Campus

An Daingean A Dangan A	43
Cúrsa Saoil Lifecourse	41
Baile na Breacóige Dunlin Village	60
Baile na Coiribe Corrib Village	39
Baile an Chíorbhuí Goldcrest Village	38
Eolaíochtaí Bithleighis Biomedical Sciences	40
Institiúid na hEolaíochta Sonraí Data Science Institute	44
Naíolann na hOllscoile University Crèche	37
Páirceáil agus Taisteal Park and Ride	42

An Campas Láir
Central Campus

An tIonad Nuálaíochta agus Gnó Business and Innovation Centre	32
An tIonad Taighde agus Nuálaíochta Research and Innovation Centre	31
An tIonad Taighde don Chothú Sláinte Health Promotion Research Centre	36
Áras Cairnes Cairnes Building	35
Áras Innealtóireachta Alice Perry Alice Perry Engineering Building	34
Áras Mhaighe Seola Moyola Building	33
An Clinic Teiripe Urlabhra agus Teanga Speech and Language Therapy Clinic	33

An Campas Theas
South Campus

10 Bóthar an Chaisleáin Nua 10 Newcastle Road	47
14 Bóthar na hOllscoile 14 University Road	49
14 Bóthar na Drioglainne (An Oifig Slándála) 14 Distillery Road (Security)	27
An Chearnóg Quadrangle	1
An Foirgneamh Anatamaíochta Anatomy Building	18
Áras na Ríomheolaíochta Computer Science Building	23
An tIonad Spóirt Sports Centre	30
Áras Dán na Mílaoise Arts Millennium Building	24
Áras de Brún	17
Áras Mhairéad (Ma) Ní Éimhigh	16
Áras Mháirtín Uí Riain Martin Ryan Building	7
Áras na Bitheolaíochta Daonna Human Biology Building	11
Áras na Gaeilge	15
Áras na Mac Léinn	8
Áras Oirbsean Orbsen Building	22
Áras Uí Argadáin Hardiman Building	20
Áras Uí Chathail	10
Aula Maxima	1
Beár na Mac Léinn - Sult College Bar - Sult	8
Bloc E Block E	13
Bloc F Block F	19
Bloc S Block S	12
Bloc T Block T	28
Bóthar na Drioglainne Distillery Road	26
Ceoláras Emily Anderson The Emily Anderson Concert Hall	1
Comhaltas na Mac Léinn Students' Union	8
Deasc Eolais na Mac Léinn (SID) Student Information Desk (SID)	10
Foirgneamh na nDán / na hEolaíochta Arts / Science Building	21
Fortheach Institiúid Uí Riain Ryan Institute Annexe	3
Halla Bailey Allen Bailey Allen Hall	8
Institiúid na hEolaíochta Cliniciúla Clinical Science Institute	51
Ionad na hÉireann do Chearta an Duine Irish Centre for Human Rights	4
Ionad na Seirbhísí Poist Mail Services Centre	9
Ionad Uí Dhonnchadha - An Drámaíocht, an Amharclannaíocht agus an Taibhléiriú O'Donoghue Centre - Drama, Theatre and Performance	8
Institiúid Lambe Lambe Institute	50
Oideachas Education	14
Oideachas Education	52
Réamhdhéantán Cois Abhan Riverside Terrapin	29
Réamhdhéantán Scoil Huston The Huston School Bubble	5
Scoil Scannán agus Meán Digiteach Huston Huston School of Film and Digital Media	6
Séipéal Naomh Columbán The Chapel of St Columbanus	48
Síceolaíocht Psychology	25
Teach an Gheata Gate Lodge	2

General Information

Registration Desk

The registration desk is located in Áras na Mac Léinn Building

Sunday August 11th	17:00 – 19:00
Monday August 12th	07:45 – 18:30
Tuesday August 13th	08:00 – 18:30
Wednesday August 14th	08:00 – 18:30
Thursday August 15th	08:00 – 18:30

Conference Venues

Áras na Mac Léinn Building

- Plenary and Parallel Room 1 – Bailey Allen Hall
- Parallel Room 4 is located in Áras na Mac Léinn Building.
- Registration and Posters
- Coffee breaks are served at Aras na Mac Léinn.
- Speaker Preview Room and Audio Visual Support – Meeting Room 1 & 2 in Áras na Mac Léinn building, first floor (upstairs)
- The Welcome Reception will take place at Áras na Mac Léinn on Sunday 11th August.

Human Biology Building

- Parallel Room 2 & 3

Arts/Science Building

Lunch is served in An Bhialann on the ground of the Arts/Science Building

Galmont Hotel

The Conference Banquet will take place in the Galmont Hotel on Wednesday 14th August.

Parking

Please note parking restrictions are in place on campus Monday to Friday 09:00 to 17:30 and no restrictions currently apply at weekends however the university car parks can be very busy, and spaces are on a first come basis. The following are the parking options:

Free Parking:

Between the hours of 09:00 – 17:30 Monday to Friday, parking in white lined spaces in staff and student car parks is allowed once registered for a permit only. The below 7-step information will be issued to delegates to book a parking permit 7 days in advance of the conference (you will be unable to register for a permit prior to the 7 days). All illegally parked vehicles, including cars not registered for a conference permit will be clamped.

1. Visit the following page - https://nuig.apcoa.ie/applicant#
2. Select “Create Account” on the top right of the page
3. Select either “Personal” or “Business” account
4. Complete your personal/company details and enter your car registration and details
5. Accept Terms & conditions and an account will then be created
6. Select “Apply for Permit” and choose the event you wish to apply for the permit for.
7. Accept Terms & Conditions and complete booking

Paid Parking:

Cathedral Car Park is less than 5 minutes’ walk to conference venue, charges apply, cost is approximately €6.50 per day. Alternatively, the blue lined spaces only on campus are pay and display.

Speaker Preview Room and Audio Visual Support

Located – Meeting Room 1 & 2,
Áras na Mac Léinn building, first floor

All speakers in a parallel session must submit their presentations to the Audio Visual technician in the Speaker Preview Room on a USB key, one day before their presentation.

Speaker Preview Room Hours:

Sunday August 11th August	17:00 – 19:00
Monday August 12th	08:00 – 16:00
Tuesday August 13th	08:00 – 16:00
Wednesday August 14th	08:00 – 16:00
Thursday August 15th	08:00 – 12:00

WIFI Code

Computer Access:

The following is the Wi-Fi code for access for all delegates (NUIGWIFI). Please note this logs out when inactive.

Delegates will have access to the Eduroam network. The login details for delegates are as follows:

Username: 9876001t

Password: xbmja7836

Mobile Phones

Delegates are requested to switch off their mobile phones in all meeting rooms during sessions.

Useful Information

Telephone Information

The local area code for Galway is 091. Omit this prefix if you are dialling from a fixed landline within the area. If you are dialling an Irish number from your mobile (cell phone), you need to firstly dial the international code for Ireland (00353), followed by the local area code (omit 0) and then the number.

Taxi Services

Galway Taxis Tel: (091) 561111

Big O Taxis Tel: (091) 585858

Banks & Foreign Exchange

The nearest banks to the conference venue are Bank of Ireland, University Branch, Distillery Road, Galway. This is located at the end of the Concourse in the Arts Science building where the conference parallel sessions are taking place.

Normal opening times: Monday to Friday 10.00am – 5.00pm. Closed at weekends.

There are ATM cash dispensers located outside the branch.

Public Transport

National Bus Service operated by Bus Eireann
www.buseireann.ie
Galway Coach Station
www.galwaycoachstation.com

National Train Service operated by Irish Rail (Galway Train Station is the local station)
www.irishrail.ie

Private Bus Service from Dublin Airport to Galway
www.CityLink.ie
www.aircoach.ie

Police

In Ireland, the police force is called the Garda Siochana.

Garda Siochana, Mill Street, Galway.

Tel: (091) 538000

Medical Emergencies & Doctors University

College Hospital Galway
Newcastle Road
Tel: (091) 524 222

General Practitioners

Newcastle Medical Centre	Tel: (091) 524085
Regional Medical Centre	Tel: (091) 520340
Claddagh Medical Centre	Tel: (091) 582321

Pharmacy

The nearest Pharmacy (500m) to the conference venue is University Pharmacy, Junction of University Road/ Newcastle Road

Tel: (091) 520115

There are also a number of pharmacies located along the main street of the pedestrianised city centre (Shop St).

Welcome Reception

Bailey Allen Hall &
Áras na Mac Léinn

Please join us for a Welcome Reception at Áras na Mac Léinn on University of Galway campus. Meet with colleagues old and new. Light refreshments will be served.

Date:	Sunday August 11th
Venue:	Bailey Allen Hall & Áras na Mac Léinn, University of Galway
Time:	18:30 - 20:00
Tickets:	*Included in the registration fee.

Delegates are requested to confirm attendance during the online registration process.

Conference Dinner

Galmont Hotel

Enjoy a contemporary Irish show featuring an electrifying mix of music, song and dance led by Carmel Dempsey a well know musician and singer from Galway. A talented fiddle player, Brenda Curtin, accompanies Carmel. Brenda was one of the soloists from Michael Flatley's world-renowned Lord of The Dance Show. After dinner a troupe of Irish Dancers will captivate the audience performing the very best of Irish Ceili dancing. Delegates are encouraged to participate in the dancing and will be taught some steps by our talented dancers.

Date:	Wednesday August 14th
Venue:	The Galmont Hotel, Lough Atalia Road, HP1 CYN3 Galway
Time:	19:30-23:00
Tickets:	€85 per person (advance purchase only with registration)

Field Trips

Five field trips have been arranged to offer delegates the opportunity to experience the natural beauty and culture of the West of Ireland.

Field Trips are subject to availability and terms and conditions. Places must be bought in advance.

The Burren & The Cliffs of Moher / Field Trip 1 & 4
Friday 16th August (10:00–17:00) &
Saturday 17th August (10:00–17:00 approximately)
—
€83 per person
Price includes a light lunch, free admission to the Cliffs of Moher visitor centre.
Coach departs from the Quadrangle at 09:45.

Connemara & Kylemore Abbey / Field Trip 2
Saturday 17th August (09:15-17:00 approximately)
—
€84 per person.
Price includes a light lunch, free admission to the Kylemore Abbey.
Coach departs from the Quadrangle at 09:00.

Inis Mor, Aran Islands / Field Trip 3 & 5
Friday 16th August (09:00–18:00) &
Sunday 18th August (09:00-18:00 approximately)
—
€90 per person.
Price includes a return ferry to Inis Mór, Aran Islands from Rossaveal, free admission to the Dún Aonghasa visitor centre.
Coach departs from the Quadrangle at 08:45.

Oral & Poster Presentation Guidelines

Presentation Timings
Time allocated for oral presentations:
• Plenary Speakers: 25 minutes (+5 minutes Q&A)
• Speakers in a Parallel Session: 12 minutes (+3 minutes Q&A)

Presentation Format
PowerPoint presentations are required in 16:9 – widescreen format (charts and videos embedded into the presentation, if required).

The presentation schedule will be strictly enforced by each Session Chair, to allow the audience to switch between sessions. Each presentation venue will have a sound system and PC with Microsoft PowerPoint software, linked to a data projector.

Please Submit Oral Presentations to the Audio Visual Technician located in the Speaker Preview Room
Located – Meeting Room 1 & 2,
Áras na Mac Léinn building, first floor

All speakers in a parallel session are to submit their presentations to the Audio Visual technicians on a USB key, one day before their presentation.

Speaker Preview Room Hours:

Sunday August 11th August	17:00 – 19:00
Monday August 12th	08:00 – 16:00
Tuesday August 13th	08:00 – 16:00
Wednesday August 14th	08:00 – 16:00
Thursday August 15th	08:00 – 12:00

Personal laptops cannot be used for presentations. Please check the conference schedule to confirm the time and venue for your presentation. Speakers are asked to be present in the conference hall a minimum of 15 minutes in advance of their session start time.

Poster Presentations
All posters will be displayed from Sunday 11th (from 17:00) August until Thursday 15th August in Áras na Mac Léinn.

Poster Format:
- A poster stand of approximate size A0 will be provided for displaying posters.
- Posters should be presented in A0 size, portrait, i.e. 1189mm x 841mm.
- The background colour of the display board will be maroon.
- Each poster is allocated a number. Poster boards are numbered. Please consult the list of posters and mount your poster on the board allocated. The display board will be covered in felt and Velcro stickers will be provided for attaching posters.

Poster Set-up:
Posters can be mounted from 17:00 – 19:00 on Sunday 11th August.

Poster Dismantling:
Your poster should remain mounted and available for viewing until 18:00 on Thursday 15th August. It must be removed by 18:30 on Thursday August 15th. Posters not removed will be discarded. Please note that power outlets are not available in the poster area.

Joint Conference Programme at a Glance

	EVENING OF AUGUST 11			
17:00	**Registration**			
18:30	**Welcome Reception** *Áras na Mac Léinn*			
	AUGUST 12			
07:45	**Registration**			
08:15	**Opening Ceremony** Chaosheng Zhang *Plenary and Parallel Room 1 – Bailey Allen Hall*			
08:45	**Plenary 1** **Cost and Health benefits of promoting clean cooking and heating in rural China** Shu Tao (Chair: Tong Zhu) *Bailey Allen Hall*			
09:15	**Plenary 2** **Maximizing the Health Benefits of Air Pollution Control and Climate Change Mitigation** Tong Zhu (Chair: Shu Tao) *Bailey Allen Hall*			
09:45	**Group Photo**			
10:00	**Air Pollution and Health 1** (Guofeng Shen, Jurgita Ovadnevaite) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Antibiotics and Microbiology 1** (Xun Wen Chen, Andrew Hursthouse) *Parallel Room 2*	**Big Data and Data Analytics** (Jennifer McKinley, Cunjian Yang) *Parallel Room 3*	**Climate Change and Population Health** (Daniel Sui, Shuxiao Wang) *Parallel Room 4*
11:15	**Coffee Break**			
11:45	**Air Pollution and Health 2** (Yanpeng Gao, Qiaohui Fan) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Antibiotics and Microbiology 2** (Rok Fink, Thomas Ducey) *Parallel Room 2*	**Arsenic** (Yan An, Dongyu Xu) *Parallel Room 3*	**Environmental Management** (Cassio Roberto Silva, Teresa Heller) *Parallel Room 4*
13:00	**Lunch** *An Bhialann, Arts & Science Building*			
14:00	**Poster Session** *Áras na Mac Léinn*			
14:30	**Plenary 3** **New pollutants study in China: History & future perspective** Guibin Jiang (Chair: Yanxin Wang) *Bailey Allen Hall*			

Joint Conference Programme at a Glance

15:00	**Plenary 4** **Mapping Distribution of Geogenic Contaminated Groundwater Using Machine Learning Methods** Yanxin Wang (Chair: Guibin Jiang) *Bailey Allen Hall*			
15:30	**Air Pollution and Health 3** (Jianmin Chen, Tiantian Li) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Antibiotics and Microbiology 3** (Yong Li, Liqin Su) *Parallel Room 2*	**Environmental Health 1** (Peng Lu, Yue Ba) *Parallel Room 3*	**Biochar 1** (Hailong Wang, Scott X. Chang) *Parallel Room 4*
16:45	**Coffee Break**			
17:15	**Air Pollution and Health 4** (Benjamin J. Ryan, Martin Gaberšek) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Agriculture** (Wende Yan, Yanxin Yu) *Parallel Room 2*	**Environmental Health 2** (Xun Shi, Furong Deng) *Parallel Room 3*	**Biochar 2** (Xiaokai Zhang, Jingzi Beiyuan) *Parallel Room 4*
	AUGUST 13			
08:45	**Special Session in Memory of Olle Selinus** *Bailey Allen Hall*			
09:00	**Plenary 5** **Medical Geology: 20 Years of Progress** Robert Finkelman (Chair: Jose A. Centeno) *Bailey Allen Hall*			
09:30	**Plenary 6** **Medical Geology - Integrating Environmental Science, Public Health and Earth Science** Jose A. Centeno (Chair: Robert Finkelman) *Bailey Allen Hall*			
10:00	**Air Pollution and Health 5** (Laura M. Langan, Lin Zhang) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Medical Geology (In Memory of Olle Selinus)** (Jose Centeno, Robert Finkelman) *Parallel Room 2*	**Water Quality 1** (Guangxue Wu, Sabry Shaheen) *Parallel Room 3*	**Diagnostics and Remediation** (Fujie Li, Hua Zhang) *Parallel Room 4*
11:15	**Coffee Break**			
11:45	**Air Pollution and Health 6** (Shengrui Tong, Xi Chen) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Medical Geology in Africa** (Theophilus C. Davies, Emmanuel Arhin) *Parallel Room 2*	**Water Quality 2** (Bryan Brooks, Shenglei Fu) *Parallel Room 3*	**Environmental Friendly Remediation** (Owen Williams, Zhifan Chen) *Parallel Room 4*

Joint Conference Programme at a Glance

13:00	**Lunch** *An Bhialann, Arts & Science Building*			
14:00	**Poster Session** *Áras na Mac Léinn*			
14:30	**Plenary 7** **Standardisation of Applied Geochemical Methods** Alecos Demetriades (Chair: Qiuming Cheng) *Bailey Allen Hall*			
15:00	**Plenary 8** **Integration of Big Data and AI Techniques for Understanding Arsenic Behaviour in Mineralization Processes** Qiuming Cheng (Chair: Alecos Demetriades) *Bailey Allen Hall*			
15:30	**New Emerging Pollutants** (Wilfred Dathe, Jie Han) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Geochemical Mapping** (Timo Tarvainen, Jaana Jarva) *Parallel Room 2*	**Water Quality 3** (Elena Alvareda, Jovana Radosavljevic) *Parallel Room 3*	**Dust and Indoor Air Pollution** (Audil Rashid, Christof Lanzerstorfer) *Parallel Room 4*
16:45	**Coffee Break**			
17:15	**Environmental Geochemistry** (Michael Kersten, Jianming Xu) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Environmental Modelling** (Haidong Kan, Zhongyun Ni) *Parallel Room 2*	**Water Quality 4** (Carla Patinha, Bing Yan) *Parallel Room 3*	**Coastal System** (Yuxin Ma, Jianhui Tang) *Parallel Room 4*
	AUGUST 14			
09:00	**Plenary 9** **Arsenic biogeochemistry in paddy soil and strategies to limit arsenic accumulation in rice** Fang-Jie Zhao (Chair: Ming-Hung Wong) *Bailey Allen Hall*			
09:30	**Plenary 10** **Food contamination and health impacts: Geochemical and environmental pollutants** Ming-Hung Wong (Chair: Fang-Jie Zhao) *Bailey Allen Hall*			
10:00	**Geo-Health 1** (Siwen Liu, Dawen Liu) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Environmental Pollution and Reproductive Health** (Bin Wang, Zhiwen Li) *Parallel Room 2*	**Organic Pollutants** (Yingqin Wu, Faina Gelman) *Parallel Room 3*	**Emerging Organic Pollutants 1** (Xiaoping Wang, Bixian Mai) *Parallel Room 4*

Joint Conference Programme at a Glance

11:15	**Coffee Break**			
11:45	**Geo-Health 2** (Daniel Murphy, Dawen Liu) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Food Quality** (Maria Aurora Armienta, Kim Dowling) *Parallel Room 2*	**Peat** (Niall O Brolchain, Andre Banning) *Parallel Room 3*	**Emerging Organic Pollutants 2** (Taicheng An, Guiying Li) *Parallel Room 4*
13:00	**Lunch** *An Bhialann, Arts & Science Building*			
14:00	**Poster Session** *Áras na Mac Léinn*			
14:30	**Plenary 11** **Chemical Earth Program: Global Geochemical Observation Networks** Xueqiu Wang (Chair: Minhan Dai) *Bailey Allen Hall*			
15:00	**Plenary 12** **Coastal Ocean Under Intensifying Human Activities and Changing Climate: from Science to Sustainability and needs for a digital twin platform** Minhan Dai (Chair: Queqiu Wang) *Bailey Allen Hall*			
15:30	**PFAS 1** (Jim Ippolito, Jörg Rinklebe) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Health Risks of Micro- and Nano-plastics** (Chen Tu, Yongming Luo) *Parallel Room 2*	**Water Environment Health** (Wenzhi Cao, Lei Jin) *Parallel Room 3*	**GIS Spatial Modelling** (Gevorg Tepanosyan, Xun Shi) *Parallel Room 4*
16:45	**Coffee Break**			
17:15	**PFAS 2** (Hongwen Sun, Yanyan Zhang) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**High Background Values in Soils** (Xueqi Xia, Zhongfang Yang) *Parallel Room 2*	**Wetland** (Anne E. Nigra, Guo Liu) *Parallel Room 3*	**Environmental Applications of Nanomaterials** (Jason W. White, Daohui Lin) *Parallel Room 4*
19:45	**Conference Dinner and Entertainment** *Galmont Hotel* (paid attendees only)			

Joint Conference Programme at a Glance

AUGUST 15

09:00	**Plenary 13** **Ecosystem Health and Sustainable Development** Bojie Fu (Chair: Donal Sparks) *Bailey Allen Hall*			
09:30	**Plenary 14** **The Climate, Soil, and Health Nexus: Grand Challenges in a Changing Environment** Donald Sparks (Chair: Bojie Fu) *Bailey Allen Hall*			
10:00	**Soil Quality** (Lei Huang, Xingmei Liu) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Microbiological Risks in Drinking Water** (Xin Yu, Fangbai Li) *Parallel Room 2*	**Statistical Modelling** (Joseph D. Ayotte, Yan Zheng) *Parallel Room 3*	**Radon Risk** (Stefano Albanese, Olga Belyaeva) *Parallel Room 4*
11:15	**Coffee Break**			
11:45	**Remediation** (Pakshirajan Kannan, Liping Fang) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Nanoparticles and Microplastics 1** (João Frias, Qian Liu) *Parallel Room 2*	**Volatile Organic Compounds** (Nan Lin, Erik Uhde) *Parallel Room 3*	**Public Health** (Shaobin Wang, Michal Molcho) *Parallel Room 4*
13:00	**Lunch** *An Bhialann, Arts & Science Building*			
14:00	**Poster Session** *Áras na Mac Léinn*			
14:30	**Potentially Toxic Elements 1** (Juan Liu, Yamin Deng) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Nanoparticles and Microplastics 2** (Hefa Cheng, Jamie Lead) *Parallel Room 2*	**Sediments** (Qian Zhang, Beibei Chai) *Parallel Room 3*	**POPs & PAHs** (Feng Hu, Roberto XaviSeur pe Tulcan) *Parallel Room 4*
15:45	**Coffee Break**			
16:15	**Potentially Toxic Elements 2** (Miloš Miler, Saša Kos) *Plenary and Parallel Room 1 – Bailey Allen Hall*	**Nanoparticles and Microplastics 3** (Jiang Xu, Izabela Jośko) *Parallel Room 2*	**Soil Threats** (Dharani Dhar Patra, Mingzhou Qin) *Parallel Room 3*	**Nitrogen Cycle** (Chunli Su, Yanling Zheng) *Parallel Room 4*
17:30	**Chaosheng Zhang** *Bailey Allen Hall*			
18:00	**Closing Ceremony**			

Oral Presentation Times
Monday 12th August

ID	Time	First Name	Last Name	Title
Air Pollution and Health 1 Chairs: Guofeng Shen, Jurgita Ovadnevaite				***Parallel Room 1 – Bailey Allen Hall***
49	10:00-10:15	Guofeng	Shen	Interpreting highly variable indoor PM2.5 using low-cost sensors
121	10:15-10:30	Jurgita	Ovadnevaite	Fingerprinting Air Pollution Culprits
158	10:30-10:45	Ruijun	Xu	Association of short-term exposure to ambient fine particulate matter and ozone with outpatient visits for anxiety disorders: a hospital-based case-crossover study in South China
232	10:45-11:00	Wei	Xu	Revisiting the impact of sea surface temperature on sea spray aerosol production
288	11:00-11:15	Tao	Liu	Joint associations of short-term exposure to gaseous air pollutants with hospital admission of ischemic stroke
Antibiotics and Microbiology 1 Chairs: Xun Wen Chen, Andrew Hursthouse				***Parallel Room 2***
37	10:00-10:15	Xun Wen	Chen	Revisiting the Stress Gradient Hypothesis: insights from compartmental bacterial interactions in mycorrhizosphere
148	10:15-10:30	Andrew	Hursthouse	Antimicrobial resistance in the environment – Indo-UK initiative to study the impact of pharmaceutical wastes
254	10:30-10:45	Mingming	Sun	Phages in vermicomposts enrich functional gene content and facilitate pesticide degradation in soil
271	10:45-11:00	Guoyu	Yin	Global biogeography and projection of soil antibiotic resistance genes
404	11:00-11:15	Liangying	He	Swine farming shifted the gut antibiotic resistome of local people.
Big Data and Data Analytics Chairs: Jennifer McKinley, Cunjian Yang				***Parallel Room 3***
112	10:00-10:15	Yunfan	Li	Opposite relationships between soil organic carbon and elevation in the midlands and mountainous areas in Ireland related to different types of peat
145	10:15-10:30	Jennifer	McKinley	Big Data Spatial Analytics and Compositional Data Analysis for Exploring Relations between Health and Our Environment
452	10:30-10:45	Yuzhen	Liang	Improving predictions and understanding of primary and ultimate biodegradation rates with machine learning models
473	10:45-11:00	Cunjian	Yang	Global water cover analysis based on remote sensing and GIS
556	11:00-11:15	Qi	You	Polycyclic aromatic hydrocarbons (PAHs) pollution and risk assessment of soils at contaminated sites in China over the past two decades
Climate Change and Population Health Chairs: Daniel Sui, Shuxiao Wang				***Parallel Room 4***
247	10:00-10:15	Daniel	Sui	From ONE Health to WHOLE Health: A Metacoupling Framework for Understanding Environment-Health Dynamics
376	10:15-10:30	Haidong	Kan	Cause-specific accidental deaths and burdens related to ambient heat in a warming climate
418	10:30-10:45	Yuqiang	Zhang	Long-term trends of global, regional, and national NO2 attributed mortality burdens: a health impact assessment study from multiple global datasets
481	10:45-11:00	Shuxiao	Wang	Climate and health impacts of carbon neutrality and clean air pathways in China

ID	Time	First Name	Last Name	Title
813	11:00-11:15	Xing	Li	Tunable oxygen vacancy and chainmail-structured graphene for boosting carbamate decomposition kinetics in CCS
Air Pollution and Health 2 Chairs: Yanpeng Gao, Qiaohui Fan				***Parallel Room 1 – Bailey Allen Hall***
432	11:45-12:00	Yuemeng	Ji	Aqueous-phase oligomerization mechanism of small α-dicarbonyls and its environmental effect
459	12:00-12:15	Ye	Huang	The disparities in PM2.5 pollution between China's urban and rural Areas and their driving factors
470	12:15-12:30	Tianjia	Guan	Air pollution attenuated the benefits of physical activity on blood pressure: Evidence from a nationwide cross-sectional study
480	12:30-12:45	Teng	Wang	Roles of Lipid Mediators in Investigating the Susceptibility of Individuals at Risks of Cardiovascular Diseases to Air Pollution
614	12:45-13:00	Siwen	Wang	Spring Festival points the way to cleaner air in China
Antibiotics and Microbiology 2 Chairs: Rok Fink, Thomas Ducey				***Parallel Room 2***
424	11:45-12:00	Haiyun	Zhang	Earthworms took differential strategies faced with specific neonicotinoid-A kinetic metabolomic study
472	12:00-12:15	Xiaohong	Wu	Intercropping promotes soil aggregates stability by regulating soil microbial activity, diversity and community structure
672	12:15-12:30	Thomas	Ducey	Microbial inoculants for soil and environmental health: Panacea or placebo?
742	12:30-12:45	Ting	Yu	A novel long non-coding RNA linc-93.2 regulates oxidative stress induced by bisphenol A via NF-κB signaling pathway in fish primary macrophages
745	12:45-13:00	Rok	Fink	Unveiling the antifungal potential of cold atmospheric plasma: Optimizing parameters for effective eradication of Candida albicans biofilm
Arsenic Chairs: Yan AN, Dongyu Xu				***Parallel Room 3***
22	11:45-12:00	Yan	AN	"Environmental standard limit concentration" arsenic exposure is linked to anxiety, depression and autism-like changes in early-life stage zebrafish
248	12:00-12:15	Sacha	Ruzzante	Quantifying the Disease Burden Attributable to Arsenic in Groundwater Globally
249	12:15-12:30	Ouyuan	Jiang	Loss of Microbial Diversity Increases the Risk of Arsenic Release and Methane Emissions in Paddy Soils
391	12:30-12:45	Hyojung	Choi	Influence of climate-induced organic matter decomposition on the arsenic behavior in soil environments
697	12:45-13:00	Dongyu	Xu	Geochemical characteristics and ecotoxicological risk of arsenic in water-level-fluctuation zone soils of the Three Gorges Reservoir, China
Environmental Health Management Chairs: Cassio Roberto Silva, Teresa Heller				***Parallel Room 4***
36	11:45-12:00	Peter	Redmond	Geochemical characteristics and ecotoxicological risk of arsenic in water-level-fluctuation zone soils of the Three Gorges Reservoir, China
441	12:15-12:30	Teresa	Heller	Rachel Carson's "Silent Spring" as Environmental Education Promoter: Analysis through the Letter of Thomas Merton, an Alert Reader
853	12:30-12:45	Michael	Lang	Exploring UN Sustainable Development Goals using Advanced Database Technologies: An Experience Report from an Undergraduate Business Course
860	12:45-13:00	Cassio	Silva	GEOSCIENCES FOR SOCIAL, ENVIRONMENTAL AND ECONOMIC DEVELOPMENT

ID	Time	First Name	Last Name	Title
Air Pollution and Health 3 Chairs: Jianmin Chen, Tiantian Li				***Parallel Room 1 – Bailey Allen Hall***
638	15:30-15:45	Qing	Wang	How much health benefit would the updated Indoor Air Quality Standard of China bring?
694	15:45-16:00	Bibin	George	EXPLORING THE HEALTH EFFECTS OF SILICA EXPOSURE
799	16:00-16:15	Yu-Ting	Liu	Insights into the Mechanism of Chromium(III) Transformation by Iron Hydroxide in the Atmosphere: A Study Using an Oxidation Flow Reactor
984	16:15-16:30	Dong	Liu	Surface absorbed water on soot significantly promotes the generation of radicals in contact electrification
1003	16:30-16:45	Song	Gao	Multi-site Ozone Mid- and Long-term Prediction Based on Temporal Convolutional Graph Neural Network
Antibiotics and Microbiology 3 Chairs: Yong Li, Liqin Su				***Parallel Room 2***
763	15:30-15:45	Yen-Lin	Cho	Microscopic Mechanisms of Ferrous Ion Oxidation Facilitated by Cyanidiophyceae in Acidic and Anaerobic Environments
902	15:45-16:00	Yong	Li	Impact of virus on bacterial communities and nutrient cycles in paddy soils
912	16:00-16:15	Liqin	Su	The role of thyroid stimulating hormone in the association between cadmium exposure and cognitive function
930	16:15-16:30	Kunfu	Pi	Effects of resistant environment on microbially mediated arsenic mobilization in geogenic contaminated groundwater
998	16:30-16:45	Shu	Niu	The involvement of HIF-1 signaling pathway in fluoride-induced liver injury
Environmental Health 1 Chairs: Peng Lu, Yue Ba				***Parallel Room 3***
92	15:30-15:45	Xiaoping	Li	Lead pollution-related health of children in China: disparity, challenge, and policy
153	15:45-16:00	Peng	Lu	Whole blood cadmium levels and depressive symptoms in Chinese young adults
267	16:00-16:15	Yue	Ba	Association between fluoride exposure and changes in thyroid/parathyroid function in school-age girls: mediation of mitochondrial DNA copy number
517	16:15-16:30	Daniel	Murphy	How does Asbestos cause cancer? Insight into mechanisms of cancer development, early detection, and new treatment options, from genetically engineered mouse models
582	16:30-16:45	Wenjun	Ma	The joint effects of heat-humidity compound events on drowning mortality in Southern China
Biochar 1 Chairs: Hailong Wang, Scott X. Chang				***Parallel Room 4***
208	15:30-15:45	Hailong	Wang	Immobilization of heavy metal(loid)s in contaminated soil using functionalized biochar
558	15:45-16:00	Scott	Chang	Biochar Application as a Climate-Smart Agriculture Solution for Mitigating Climate Change
834	16:00-16:15	De	Chen	The effect of biochar on Cd uptake in rice, based on the changes in interannual, biochar, and rice varieties
878	16:15-16:30	Xiaokai	Zhang	Risk Assessment of Biochar Remediation of Pb Contaminated Water - A Whole-cell Bioreporter based Technique
937	16:30-16:45	Yuxue	Liu	Priming effects of vermiculite modified rice straw biochar on soil organic carbon: A new perspective of soil bacteria

ID	Time	First Name	Last Name	Title
Air Pollution and Health 4 Chairs: Benjamin J Ryan, Martin Gaberšek				***Parallel Room 1 – Bailey Allen Hall***
427	17:15-17:30	Miao	He	The health effect of subway environmental exposure
431	17:30-17:45	Weina	Zhang	The heterogeneous reaction mechanism of atmospheric chlorine precursors at the cool air-liquid interface
637	17:45-18:00	Martin	Gaberšek	Are emissions from dental practice detectable in outside environment?
703	18:00-18:15	Gretta	Mohan	An investigation of inequalities in exposure to PM2.5 air pollution across small areas in Ireland
959	18:15-18:30	Jinjing	Luo	Study on the spatial and temporal characteristics of ozone and its generation mechanism in coastal city of Southeast China
543	18:30-18:45	Xin	Li	Emissions of biogenic volatile organic compounds from urban green spaces in the core districts of Beijing
Agriculture Chairs: Wende Yan, Yanxin Yu				***Parallel Room 2***
312	17:15-17:30	Yanxin	Hu	Mercury pollution remediation in paddy fields by biochar supplement and its mechanisms
516	17:30-17:45	Wende	Yan	Soil nutrients limitation control bottom-up effects of micro-food web derived ecological functions in a degraded agroecosystems
605	17:45-18:00	Christos	Kikis	Cadmium–Induced Growth Responses in Artemisia absinthium, Carthamus tinctorius, Matricaria recutita, Origanum vulgare, and Salvia officinalis
612	18:00-18:15	Beatriz	Fernandes	Vulnerability of Portuguese vineyards soil to copper contamination: understanding regional variations
695	18:15-18:30	Min	Peng	Zinc Bioaccumulation capacity and driving factors in soil-crop system in China
850	18:30-18:45	Rute	Crespo	Wheatbiome project: Exploring the crosstalk between soil properties, cultivars, agronomic practices and microbiome for a sustainable wheat production
Environmental Health 2 Chairs: Xun Shi, Furong Deng				***Parallel Room 3***
655	17:15-17:30	Xun	Shi	Detection of environmental risk factors of ALS: Airborne Lead and Lead Compounds
699	17:30-17:45	Thomas	Ducey	Ignorance is Not Bliss. The Need for Elucidating the Geographical Link between Chronic Diseases and Environmental Microbiomes
818	17:45-18:00	Furong	Deng	Association of Indoor Ozone exposure during Sleep and Cardiorespiratory effects among young adults in China
971	18:00-18:15	Yanpeng	Gao	Transformation mechanism and health effects of typical preservative parabens
987	18:15-18:30	Ling	Wang	Differences of lipid distribution between PFOA and PFOS-exposed mice and underlying mechanism
802	18:30-18:45	Dilwar	Hussain	Understanding the Interplay of Environmental, Socio-Economic, and Demographic Factors on Child Malnutrition in Flood-Prone Regions: A Comprehensive Quantitative Analysis
Biochar 2 Chairs: Xiaokai Zhang, Jingzi Beiyuan				***Parallel Room 4***
324	17:15-17:30	Zhicheng	Zhou	Dissolved black carbon mediated photochemical transformation of contaminants in aqueous solution
419	17:30-17:45	Hongli	Fan	Combined application of milk vetch, and biochar mitigate soil cadmium risk in paddy field

ID	Time	First Name	Last Name	Title
463	17:45-18:00	Jingzi	Beiyuan	Effects of Phosphate on Immobilization of As in Soil by Fe-modified Biochar
611	18:00-18:15	Cristiana	Paiva	Using pine bark and mussel shells as soil amendments to establish a rehabilitation strategy for Cu polluted viticultural soils
571	18:15-18:30	Kai	Liu	A core-shell structured strategy of iron/carbon materials for the efficient oxidation and immobilization of arsenic in paddy soil

Oral Presentation Times
Tuesday 13th August

ID	Time	First Name	Last Name	Title
Air Pollution and Health 5 Chairs: Laura M Langan, Lin Zhang				***Parallel Room 1 – Bailey Allen Hall***
28	10:00-10:15	Zhiyuan	Li	High spatial resolution estimates of major PM2.5 components and their associated health risks in Hong Kong using a coupled land use regression and health risk assessment approach
176	10:15-10:30	Kun	Li	Intermediate volatility compounds dominate secondary organic aerosol formation from biomass burning emissions
269	10:30-10:45	Ru-Jin	Huang	Nitrogen-containing organic aerosol: Speciation and formation
308	10:45-11:00	Weigang	Wang	Secondary organic aerosol formation from the oxidation of IVOCs
585	11:00-11:15	Lin	Zhang	Reactive nitrogen emissions and their impacts on regional PM2.5 air quality
Medical Geology Chairs: Jose Centeno, Robert Finkelman				***Parallel Room 2***
32	10:00-10:15	Jose	Centeno	Chemical and Biological Characteristics of Dust in Relation to Health – A Medical Geology Perspective
60	10:15-10:30	Wilfried	Dathe	Zeolite – the ‚magic stone' of geology – a benefit for human health
114	10:30-10:45	Elena	Alvareda	Towards the understanding of the aquifers of Salto, Uruguay hydrochemistry as drinking water: a medical geology perspective
140	10:45-11:00	Robert	Finkelman	Health Concerns Related to Residential Coal Combustion in the U.S. Appalachian Region and on the Navajo Reservation
332	11:00-11:15	Maria Aurora	Armienta	Advantages and drawbacks of the use of limestones for the removal of arsenic from groundwater
Water Quality 1 Chairs: Guangxue Wu, Sabry Shaheen				***Parallel Room 3***
110	10:00-10:15	Hui	Liu	Interaction characteristics and environmental effects of iron-enriched features in river-water/groundwater interactions
137	10:15-10:30	Guangxue	Wu	Enhanced anaerobic digestion of complex organic carbon under tetracycline-stressed conditions
411	10:30-10:45	Sabry	Shaheen	Vanadium in the soil-water nexus: fate, governing factors, potential risk, and remediation approaches
740	10:45-11:00	Jingjing	Du	Rapid in-situ identification of arsenic species using a portable Fe3O4@SiO2@UiO-66@Ag SERS substrate
761	11:00-11:15	Jianbing	Li	Emulsified oil adsorption using sorbent developed from co-pyrolysis of oily sludge and sawdust
Diagnostics and Remediation Chairs: Fujie Li, Hua Zhang				***Parallel Room 4***
129	10:00-10:15	Jiaqi	Xue	Portable sensors equipped with smartphones for organophosphorus pesticides detection
233	10:15-10:30	Hua	Zhang	Decreasing mercury levels in consumer fish over the three decades of increasing mercury emissions in China
955	10:30-10:45	Yirong	Zhao	Red Mud-Based Catalysts for Efficient Removal of Organic Pollutants in Wastewater

ID	Time	First Name	Last Name	Title
960	10:45-11:00	Fujie	Li	The role of geopolymers in environmental remediation: A case study of electrolytic manganese residue
962	11:00-11:15	YuXiao	Shao	Selenium Hyperaccumulator plant Cardamine violifolia-a potential material for biofortification and phytoremediation
Air Pollution and Health 6 Chairs: Shengrui Tong, Xi Chen				***Parallel Room 1 – Bailey Allen Hall***
159	11:45-12:00	Yuewei	Liu	Association of exposure to ozone and heat wave with mortality by widowhood status
160	12:00-12:15	Guohua	Zhang	Tracing the Atmospheric Processing of Particulate Imidazole Compounds by Single particle Mass Spectrometry
307	12:15-12:30	Shengrui	Tong	Investigations of unstable reactive oxidants in the atmosphere
329	12:30-12:45	Qiyu	Wang	Application of Fractional Grey Model in Urban Air Pollutant Prediction
948	12:45-13:00	Xi	Chen	Separating Daily 1 km PM2.5 Chemical Composition in China since 2000 via Deep Learning Integrating Ground, Satellite, and Model Data
Medical Geology in Africa Chairs: Theophilus C. Davies, Emmanuel Arhin				***Parallel Room 2***
168	11:45-12:00	Emmanuel	Arhin	Enhancing the Nexus between Geology and Health: A Vital Imperative to Attain Sustainable Development Goal 3 (SDG 3) - Interlinking the Two Fields.
405	12:00-12:15	Devandren Subramoney	Nadasan	A code for Medical Geology fieldwork in Africa: Guidelines on health and safety issues in mapping disease distribution and their geoenvironmental correlates
631	12:15-12:30	Alfred	Msomi	Mercury emission in small scale gold panning and health effects: South Africa Case description
644	12:30-12:45	Thobeka	Makhathini	Current status of research on geogenic pollution and disease in Africa
678	12:45-13:00	Ntombikayise Gloria	Mkhize	Spectrophotometric identification of physical UV filters in red and white clays in South Africa
621	13:00-13:15	Xolile	Mkhize	The geochemical circulation of nutritional and potentially harmful elements in the human body: Current researches on bioavailability, bioaccessibility and dose-response relationships
Water Quality 2 Chairs: Bryan Brooks, Shenglei Fu				***Parallel Room 3***
362	11:45-12:00	Yuanjing	Zhang	Research of high iodine in deep groundwater in the Zhangwei watershed, North China Plain
386	12:00-12:15	Jiping	Wang	Optimized Coordination of Urban Water Use System in Minjiang River Basin based on the SWAT model Under Influence of Climate Change
412	12:15-12:30	Luan	Cheng	Spatio-temporal dynamic characteristics of water-related ecosystem service interactions in the Min Delta Urban Agglomerations from 2000 to 2020 : implications for water environmental protection and sustainable management of water ecology.
437	12:30-12:45	Yunlong	Guo	Spontaneous iodide activation at the air–water interface of aqueous droplets
1008	12:45-13:00	Yuxiao	Xu	Sulfur disproportionation-methanogenesis co-driven organic matter conversion processes can promote iodine enrichment in groundwater in middle reaches of Yangtze River
Environmental Friendly Remediation Chairs: Owen Williams, Zhifan Chen				***Parallel Room 4***
75	11:45-12:00	Owen	Williams	The sustainable and appropriate reuse of contaminated soils from brownfield sites in Ireland.

ID	Time	First Name	Last Name	Title
207	12:00-12:15	Michael	Kersten	Predicting breakthrough of toxic oxoanions in fixed-bed absorbent columns with complex groundwater solute chemistries
227	12:15-12:30	Jianming	Xu	Arsenic-induced enhancement of diazotrophic colonization and nitrogen fixation in Pteris vittata rhizosphere
291	12:30-12:45	Zhifan	Chen	A novel maize biochar-based compound fertilizer for immobilizing cadmium and improving soil quality and crop growth
825	12:45-13:00	Daniela	Zuzolo	Biotechnological Combination for contaminated soil remediation: exploring rhizosphere plant-microbes interactions
New Emerging Pollutants Chairs: Wilfred Dathe, Jie Han				***Parallel Room 1 – Bailey Allen Hall***
123	15:30-15:45	Bin	Yang	Unveiling Per- and Polyfluoroalkyl Substance Contamination in Chinese Paper Products and Assessing Their Exposure Risk
273	15:45-16:00	Yifei	Hu	Mass loads of quaternary ammonium compounds associated with COVID-19 stringency indicators in Beijing: a sewage sludge-based longitudinal study
478	16:00-16:15	Limin	Duan	A ligand strategy to construct sulfur coordinated iron based metal-organic frameworks with selective ·OH generation in Fenton-like reaction
805	16:15-16:30	Meizhen	Wang	The characteristic and control of microbial contamination in soil
861	16:30-16:45	Jie	Han	Interactions between polymeric materials and emerging contaminants and their implications
Geochemical Mapping Chairs: Timo Tarvainen, Jaana Jarva				***Parallel Room 2***
81	15:30-15:45	Timo	Tarvainen	Urban anthropogenic soils – potential urban diffuse soil contamination
130	15:45-16:00	Matteo	Serra	Urban geochemistry of Cagliari (Italy): towards a healthy city
151	16:00-16:15	Ignacio	Machado	Distribution of inorganic contaminants along the Uruguayan coast
509	16:15-16:30	Ariadne	Argyraki	Integrating Geochemical and Magnetic Analysis for Estimating Risk-based Soil Screening Values: A Regional Study in Greece
800	16:30-16:45	Jaana	Jarva	Geochemical baseline studies of mineral potential areas and mining surroundings in Finland
Water Quality 3 Chairs: Elena Alvareda, Jovana Radosavljevic				***Parallel Room 3***
698	15:30-15:45	Bo	Gao	Substantial burial of terrestrial microplastics in the Three Gorges Reservoir, China
847	15:45-16:00	Jovana	Radosavljevic	Tracing historical water quality changes in a Canadian lake: Unveiling shifts from agriculture to urbanization from sediment cores
895	16:00-16:15	lianjie	fan	Hydrochemical characteristics and water quality evaluation of pore confined water in Qiongbei Basin,Hainan Island
896	16:15-16:30	Xie	Hao	The Hydrochemical Characteristics and Metal Element Health Risk Assessment of Typical Karst Springs in Northern China
1002	16:30-16:45	Liu	Jing	A method for quantifying the contribution of algal sources to CODMn in water bodies based on ecological chemometrics and its potential applications
Dust and Indoor Air Pollution Chairs: Audil Rashid, Christof Lanzerstorfer				***Parallel Room 4***
284	15:30-15:45	Christof	Lanzerstorfer	House dust: Size dependence of the concentration of various elements
352	15:45-16:00	Haijing	Duan	Source Apportionment and Health Risk Assessment of Heavy Metals in Dust Around Bus Stops in Kaifeng City Based on APCS-MLR Model

ID	Time	First Name	Last Name	Title
649	16:00-16:15	Guan	Wang	Magnetic response and bioaccessibility of heavy metal pollution in outdoor dustfall in Shanghai, China
790	16:15-16:30	Audil	Rashid	Exposure effect of indoor air pollutants in rural communities identified through health predictors
Environmental Geochemistry Chairs: Michael Kersten, Jianming Xu				***Parallel Room 1 – Bailey Allen Hall***
77	17:15-17:30	Shiwen	Hu	Mechanistic and modeling insights into the sequestration of cadmium and fulvic acid during Fe(II)-induced ferrihydrite transformation
147	17:30-17:45	Tanja	Reiff	Speciation changes of thallium during ageing in a thallium-spiked soil
211	17:45-18:00	Min	Zhao	Organic carbon source tracing and the BCP effect in the Yangtze and Yellow rivers: insights from hydrochemistry, carbon isotope, and lipid biomarker analyses
243	18:00-18:15	Xianjun	Xie	Dissolved Organic Matter Ignited the Enrichment of Iodine in Groundwater
266	18:15-18:30	Jiang	Xiao	Effect of molecular size fractionation on the redox properties of dissolved organic matter
177	18:30-18:45	Sofía	Da Rocha	Monitoring the level of heavy metal contamination in sediments from San Antonio stream, Salto, Uruguay with Medical Geology applications.
Environmental Modelling Chairs: Haidong Kan, Zhongyun Ni				***Parallel Room 2***
313	17:15-17:30	Ye	Li	Multi-medium migration and accumulation simulation of PFASs in Shanghai mega city river channels based on Storm Water Management Model and IV Fugacity model
320	17:30-17:45	Nan	Wang	Susceptibility modeling of hydro-morphological processes considered river topology
440	17:45-18:00	Samsad	Parween	Enhancing Water Quality Assessment in Urban River Ecosystems: A Case Study of Siliguri City's Rivers
581	18:00-18:15	Weifeng	Li	Large-scale urban agglomeration's sprawl and interactive effect of social and ecological system: a case study from China
604	18:15-18:30	Zhongyun	Ni	Changes in land surface temperature over metropolis by using time series remote sensing images (2000-2020) in Chengdu City, China
Water Quality 4 Chairs: Carla Patinha, Bing Yan				***Parallel Room 3***
182	17:15-17:30	Hao	Tian	Identification of methane cycling pathways in Quaternary alluvial-lacustrine aquifers using multiple isotope and microbial indicators
206	17:30-17:45	Patrick Kirita	Gevera	High fluoride in drinking water sources in Kenya and their health implications: Challenges of establishing local solutions
325	17:45-18:00	Yao	Du	Regulation of Hydrologic Connectivity on Lacustrine Groundwater Discharge to Determine Nutrient State of Lakes
560	18:00-18:15	Bing	Yan	Highly Sensitive Visual Detection of Ammonia Nitrogen in Groundwater by a Multi-emission fluorescent Tb-MOF
628	18:15-18:30	Xiaofang	Yuan	Enrichment of methylated arsenic in alluvial-lacustrine aquifers: evidence from gas isotopes and metagenomics
Coastal System Chairs: Yuxin Ma, Jianhui Tang				***Parallel Room 4***
319	17:15-17:30	Han Gyeol	Jeon	Sorption of Selenite (IV) and Selenate (VI) on Magnesium Precipitate derived from Seawater Electro-Chlorination Facility

ID	Time	First Name	Last Name	Title
343	17:30-17:45	Rainer	Lohmann	Sources, transport and bioaccumulation of PFAS in coastal regions
568	17:45-18:00	Yuxin	Ma	Chemodynamics of polycyclic aromatic hydrocarbons and their derivatives in the Yellow Sea and East China Sea
866	18:00-18:15	Qian	Zhang	Advanced Pathogen Monitoring Technologies in Aquatic Environments
868	18:15-18:30	Jianhui	Tang	Salinity-induced partitioning of short-chain legacy and novel PFAS substances between dissolved and particulate phases in river-estuary-coast continuum

Oral Presentation Times
Wednesday 14th August

ID	Time	First Name	Last Name	Title
Geo-Health 1 Chairs: Siwen Liu, Dawen Liu				***Parallel Room 1 – Bailey Allen Hall***
172	10:00-10:15	Yuzhi	Xuan	Development of a certified reference material for accurate determination of the leaching of Pb and Zn in solid waste
185	10:15-10:30	Qifeng	Tang	Preliminary Exploration of GeoHealth Survey in the High Geological Background Area of the Black Shale Series in Northwestern Zhejiang
281	10:30-10:45	Yi	Huang	Determination of 10 phenols in water using direct injection by liquid chromatography- high-sensitivity triple quadrupole tandem mass spectrometry
306	10:45-11:00	Siwen	LIU	Human and environmental exposure to rare earth elements and other agents in the ion-adsorption type rare earth mining areas in the Ganzhou City, Southeast China
334	11:00-11:15	Dawen	Liu	Preliminary Study on Geo-Health Survey --from Principle, Methodology to Application
Environmental Pollution and Reproductive Health Chairs: Bin Wang, Zhiwen Li				***Parallel Room 2***
31	10:00-10:15	Bin	Wang	Exposome and Female Reproductive Health
152	10:15-10:30	Zhiwen	Li	Association of the levels of Polycyclic Aromatic Hydrocarbons in maternal hair during periconceptional period with the Risk of fetal Neural Tube Defects
250	10:30-10:45	Yichao	Huang	Gestational PFHxS exposure and developmental toxicity
258	10:45-11:00	Yanxin	Yu	Validation of Dietary Intake of Dichlorodiphenyltrichloroethane and Metabolites in Two Populations from Beijing and Shenyang, China Based on the Residuals in Human Milk
282	11:00-11:15	Yixi	Tan	Polycyclic Aromatic Hydrocarbon Residues in Human Milk, Placenta, and Umbilical Cord Blood in Beijing, China
Organic Pollutants Chairs: Yingqin Wu, Faina Gelman				***Parallel Room 3***
70	10:00-10:15	YingQin	Wu	Remediating petroleum hydrocarbons in highly saline–alkali soils using three native plant species
209	10:15-10:30	Faina	Gelman	Tracking the fate of halogenated organic contaminants in the environment by compound-specific isotope analysis
326	10:30-10:45	Yamin	Deng	Enrichment of geogenic organoiodine compounds in alluvial-lacustrine aquifers: molecular constraints by organic matter
397	10:45-11:00	An	Liu	Understanding dissolved organic matters in reclaimed water and stormwater: Implications for reuse safety
476	11:00-11:15	Jiangkai	Xue	Molecular Insights on the Impacts of Fe-Organic Matter Associations on Iodine Mobilization in alluvial-lacustrine aquifers
Emerging Organic Pollutants 1 Chairs: Bixian Mai, Xiaoping Wang				***Parallel Room 4***
226	10:00-10:20	Bixian	Mai	Bioaccumulation of PHCs in birds from Chinese subtropical regions
220	10:20-10:40	Xiaoping	Wang	Occurrences of tire additive chemicals and their derivatives in high-cold climate environment

ID	Time	First Name	Last Name	Title
323	10:40-10:55	Xinhui	Bi	Molecular characterization of organic aerosol in PM2.5 and its effect on viral infection
170	10:55-11:05	Yanhong	Zeng	Anaerobic biotransformation of two novel brominated flame retardants: kinetics, isotope fractionation and reaction mechanisms
728	11:05-11:15	Wenjing	Liu	Multi-omics Analysis for Mechanistic Understanding of Microbial-mediated Synthesis of Silver Nanoparticles
Geo-Health 2 Chairs: Daniel Murphy, Dawen Liu				***Parallel Room 1 – Bailey Allen Hall***
380	11:45-12:00	Feng	Guo	Occurrence, distribution and ecological risks of antibiotic concentration in surface water environment of Suzhou, China
393	12:00-12:15	Yan	Zhou	Overview of Agro-Geology Work During the Last 20 Years in Zhejiang Province, China
744	12:15-12:30	Jing	Jin	The Past, Current Situation, and Future of China's Health Geological Survey
767	12:30-12:45	Xingchun	Jiao	Developing evaluation index system for rural livability from a geological perspective
807	12:45-13:00	Anhuai	Lu	Human Pathological Mineral Features
Food Quality Chairs: Maria Aurora Armienta, Kim Dowling				***Parallel Room 2***
166	11:45-12:00	Karsoon	Tan	Bivalves as future source of sustainable natural omega-3 polyunsaturated fatty acids
279	12:00-12:15	Anli	Wang	Acrylamide induces spatial and temporal metabolic profiling disturbance during different stages of early zebrafish development
395	12:15-12:30	Mingxing	Xu	Characteristics of Cadmium Isotope Fractionation in Topsoil-Rice System in Carbonate Rock Region of Western Zhejiang, China
541	12:30-12:45	Qingru	WU	Global seafood mercury: from oceans to tables
559	12:45-13:00	Kim	Dowling	Assessment of potentially toxic elements in Lactarius deliciosus and Suillus luteus mushrooms collected in Victoria, Australia: Is foraging good for your health?
Peat Chairs: Niall O Brolchain, Andre Banning				***Parallel Room 3***
12	11:45-12:00	Niall	O Brolchain	Using Artificial Intelligence and Big Data to inform Peatland Policy Development
413	12:00-12:15	Andre	Banning	Coupled hydrogeochemical cycles and aqueous release potential from used peatlands
737	12:15-12:30	Saeed	Alsamhi	Sustaining Vitality: A Conceptual Framework for Peatland Preservation and Health Equity
775	12:30-12:45	Margaret	Waskow	Examining the Potential Impact of a Peatland Policy Portal for Europe in Reducing GHG Emissions
852	12:45-13:00	Ella	Cheney	Aligning policies to facilitate wetland restoration for a climate friendly and healthy environment
Emerging Organic Pollutants 2 Chairs: Taicheng An, Guiying Li				***Parallel Room 4***
381	11:45-12:05	Taicheng	An	Exposomics and Health Effects of Toxic Organic Pollutants in Occupationally Exposed Populations in Coking Contaminated Sites
353	12:05-12:25	Guiying	Li	Toxicity mechanism of human respiratory system exposed to typical pathogens in vitro

ID	Time	First Name	Last Name	Title
1010	12:25-12:40	Yongchun	Liu	Key Drivers of the Oxidative Potential of PM2.5 in Beijing
894	12:40-12:50	Li	Lu	Migration and health risk assessment of polycyclic aromatic hydrocarbons in karst underground river systems in southern China
533	12:50-13:00	Chang	He	Human Internal Exposure to Contaminants of Emerging Concerns at Typical Industrial Sites in China
PFAS 1 Chairs: Jim Ippolito, Jörg Rinklebe				***Parallel Room 1 – Bailey Allen Hall***
103	15:30-15:45	Jim	Ippolito	Per- and Polyfluoroalkyl Substances in Biosolids versus Beneficial Use of Biosolids in Agriculture
126	15:45-16:00	Viraj	Gunarathne	Ecotoxicological effects of PFAS compounds on acute avoidance, lethality, and reproduction of earthworms (Eisenia fetida) and soil microbial communities
127	16:00-16:15	Jörg	Rinklebe	Effectiveness of a novel organoclay in contrast to colloidal activated carbon for the PFAS immobilization under dynamic redox conditions and assessing the response of soil microbial communities
309	16:15-16:30	Dengchao	Liu	Per- and polyfluoroalkyl substances (PFASs) in surface water of Ningxia in northwestern China: Occurrence, spatiotemporal distribution, source apportionment and potential risk
Health Risks of Micro- and Nano-plastics Chairs: Chen Tu, Yongming Luo				***Parallel Room 2***
402	15:30-15:45	Yang	Song	Soil metabolome impacts the formation of the eco-corona and adsorption processes on microplastic surfaces
414	15:45-16:00	Chen	Tu	Screening, identification and degradation characteristics of PBAT degrading bacteria in soil
415	16:00-16:15	Yongming	Luo	Visual tracking of label-free microplastics in wheat seedlings and their effects on crop growth and physiology
645	16:15-16:30	Zheng	Hao	Effects of polystyrene micro/nanoplastics on soil denitrification and microbial community
669	16:30-16:45	Yongming	Luo	Occurrence and accumulation of microplastics in agricultural soils
Water Environment Health Chairs: Wenzhi Cao, Lei Jin				***Parallel Room 3***
204	15:30-15:45	Wenzhi	Cao	Riverine nutrient fluxes and environmental effects on China's estuaries
263	15:45-16:00	Feifei	Wang	Multiple stable isotopic approaches for tracing nitrate contamination sources: Implications for nitrogen management in complex watersheds
278	16:00-16:15	Sheng-Chang	YANG	Benthic macro-faunal community characteristics in Xiatanwei mangrove restoration wetland
286	16:15-16:30	Lei	Jin	Enhanced Water Resource Allocation in Zhangzhou City Utilizing Type-2 Fuzzy Multi-Objective Programming Algorithm
311	16:30-16:45	Yaci	Liu	Pollution characteristics of microplastics in southeast coastal areas of China
GIS Spatial Modelling Chairs: Gevorg Tepanosyan, Xun Shi				***Parallel Room 4***
174	15:30-15:45	Haofan	Xu	Identification of possible sources for potentially toxic elements and polycyclic aromatic hydrocarbons and their spatially varying relationships in urban soils of Dublin, Ireland
365	15:45-16:00	Gevorg	Tepanosyan	Identification of multi-element pollution hotspots and geochemical associations of PTE in urban dust (Yerevan, Armenia)

ID	Time	First Name	Last Name	Title
486	16:00-16:15	Yanming	Sun	How to improve collaborative performance in carbon mitigation and air pollution control? A spatio-temporal study based on evidence from 284 cities in China
793	16:15-16:30	Longlong	Zhang	Spatial distribution, sources and health risk assessment of heavy metals in the surrounding farmland soils of lead and zinc mining areas
1006	16:30-16:45	Xun	Shi	Exploring Forest Characteristics Associated with Lyme Disease using Random Forest and Gradient Boosting Analyses
PFAS 2 Chairs: Hongwen Sun, Yanyan Zhang				***Parallel Room 1 – Bailey Allen Hall***
522	17:15-17:30	Kang	Xia	Occurrence of PFAS in pasture lands of Virginia, United States
578	17:30-17:45	Chuanzi	Gao	Factors Influencing Concentrations of PFAS in Drinking Water: Implications for Human Exposure
589	17:45-18:00	Yunhui	Zhang	Effects of PFAS exposure on children gut microbiota dysbiosis and neurobehavioral development
679	18:00-18:15	Yanyan	Zhang	Unravel the defluorination mechanism and structural dependence of per- and polyfluoroalkyl substances (PFAS) for pollution control and optimal design of alternatives.
975	18:15-18:30	Hongwen	Sun	Release of perfluoroalkyl substances from point sources with attempt to identify new analogues
High Background Values in Soils Chairs: Xueqi Xia, Zhongfang Yang				***Parallel Room 2***
135	17:15-17:30	Cheng	Li	Predicting soil cadmium pollution and identifying critical driving factors in a mining area using machine learning
136	17:30-17:45	Yeyu	Yang	Characteristics of Cd flux in the plow layer soil around the mining area under high geological background environment
142	17:45-18:00	Xueqi	Xia	Black shales as an important source of soil Cd in farmland and its potential hazards
361	18:00-18:15	Qingye	Hou	Natural restoration of heavy metal pollution from mining area in Karst region, China
363	18:15-18:30	Zhongfang	Yang	Enrichment mechanism of element in soil with natural geological high background and its ecological risk identification
753	18:30-18:45	Carla	Patinha	Soil Salinization evolution: a case-study of Baixo Vouga Lagunar
Wetland Chairs: Anne E. Nigra, Guo Liu				***Parallel Room 3***
229	17:15-17:30	Jialin	Chi	Molecular-scale probing of Fe oxyhydroxides-DOM interactions and their implications for the immobilization of heavy metal
884	18:00-18:15	Manlin	Su	Changes and determinants of iron-bound organic carbon in coastal wetlands
943	18:15-18:30	Lu	Sun	Levels, drivers and potential sources of heavy metal in riparian soils of the inflow rivers of Baiyangdian wetland
Environmental Applications of Nanomaterials Chairs: Jason W. White, Daohui Lin				***Parallel Room 4***
115	17:15-17:30	Jason	White	Nanobiotechnology-based Strategies for Enhanced Crop Stress Resilience
122	17:30-17:45	Jie	Hou	Multifunctional Biomolecular Corona-Enabled Nanoremediation
354	17:45-18:00	Daohui	Lin	nZVI-based phytoremediation technology development

ID	Time	First Name	Last Name	Title
521	18:00-18:15	Wenhao	Wu	A robust iron-based metal-organic framework with ultramicropores for trace benzene adsorption
567	18:15-18:30	Jiang	Xu	Lattice Engineered Nanoscale Fe0 for Environmental Remediation
616	18:30-18:45	Linbo	Qian	Enhanced pollutants reduction by zero-valent iron composites through ball milling: Synergy of electron storage and electron transfer.

Oral Presentation Times
Thursday 15th August

ID	Time	First Name	Last Name	Title
Soil Quality Chairs: Lei Huang,Xingmei Liu				***Parallel Room 1 – Bailey Allen Hall***
139	10:00-10:15	Lei	Huang	Health effects of exposure and supplement of selenium: a two-step study
175	10:15-10:30	Zhongmin	Dai	Novel root exudate mediated pathways of rice rhizosphere Cd mitigation
513	10:30-10:45	Chen	Ning	Heterogeneity of phosphorus sources invokes distinct niche partitioning pathways of ectomycorrhizal fungi in forest soils
555	10:45-11:00	Xingmei	Liu	A double-edged sword effect of selenium supplementation on cadmium exposure revealed by multi-dimensional omics
713	11:00-11:15	Yan	He	Chlorinated organic pollutants in global flooded soils and sediments: potential risk of increased methane emission
Microbiological Risks in Drinking Water Chairs: Xin Yu, Fangbai Li				***Parallel Room 2***
425	10:00-10:15	Xin	Yu	Emerging Challenges to Drinking Water Safety: Persistent Microbial Contaminants
496	10:15-10:30	Mingbao	Feng	Transformation-derived risks and selective oxidation of highly concerned pharmaceuticals in water
535	10:30-10:45	Fangbai	Li	Potential auxiliary metabolic functions and biogeochemical impacts of viruses in arsenic-contaminated paddy soils
545	10:45-11:00	Wenfang	Lin	Rapid identification of active antibiotic resistant bacteria and their gene transfer using high-throughput BONCAT-FACs technology
548	11:00-11:15	Chengsong	Ye	The control potential and mechanisms of solar light/periodate system on pathogenic microorganisms
Statistical Modelling Chairs: Joseph D. Ayotte, Yan Zheng				***Parallel Room 3***
20	10:00-10:15	Zhan	Ban	Tipping points of marine phytoplankton to multiple environmental stressors
198	10:15-10:30	Joseph	Ayotte	Using machine-leaning models to assess water availability relative to socioeconomic status variables in the Northeast United States
561	10:30-10:45	Yan	Zheng	Multifaceted Health Effects of Chronic Exposure to Drinking Water Arsenic in Bangladesh
768	10:45-11:00	Yan	Zheng	On groundwater arsenic spatial heterogeneity across scales
826	11:00-11:15	Anne	Nigra	Novel US nationwide estimates of regulated public water contaminants at various spatial and temporal resolutions for epidemiologic study
Radon Risk Chairs: Stefano Albanese, Olga Belyaeva				***Parallel Room 4***
67	10:00-10:15	Theophilus	Davies	Combatting neonatal, maternal and child deaths from ionising radiation exposure around gold and uranium mines in South Africa: a medical geology perspective
285	10:15-10:30	Stefano	Albanese	Rn-222 in tap waters of an Italian volcanic region. Stochastic risk assessment vs. guideline approach.
416	10:30-10:45	Chuanlei	Liu	Long-term outdoor radon-222 dose rate monitoring in Canada

ID	Time	First Name	Last Name	Title
429	10:45-11:00	Qiaohui	Fan	Interaction mechanism of radiocesium on Beishan granite at a molecular scale
514	11:00-11:15	Olga	Belyaeva	Environmental Radiation Studies in Urban Environment: Case Study of Yerevan, Armenia
Remediation Chairs: Pakshirajan Kannan, Liping Fang				***Parallel Room 1 – Bailey Allen Hall***
79	11:45-12:00	Pakshirajan	Kannan	Biological removal and recovery of lanthanum from electronic waste leachate using the lanthanum binding protein lanmodulin from Methylobacterium extorquens
111	12:00-12:15	Soili	Solismaa	Long-term soil degradation and remediation needs in the historical Outokumpu Cu–Co–Zn mining area, Finland
371	12:15-12:30	Xia	Wang	Improvement of alfalfa resistance against Cd stress through rhizobia and arbuscular mycorrhiza fungi co-inoculation in Cd-contaminated soil
536	12:30-12:45	Fan	Zhu	Effects of cadmium stress on the enrichment characteristics and photosynthetic capacity of pepper from different varieties
786	12:45-13:00	Liping	Fang	Defects Engineering in Goethite for Sustainable Paddy Soil Remediation
Nanoparticles and Microplastics 1 Chairs: João Frias, Qian Liu				***Parallel Room 2***
15	11:45-12:00	João	Frias	Spatial monitoring and microplastic concentration variability in different environmental matrices from Galway Bay
104	12:00-12:15	Qian	Liu	Multi-Dimensional Characterization of Ambient Nanoparticles in the Human Body
125	12:15-12:30	Yang	Song	Serum apolipoprotein A-I depletion is causative to silica nanoparticles-induced cardiovascular damage
300	12:30-12:45	Hefa	Cheng	Understanding the Release Kinetics of Brominated Flame Retardants from Microplastics
586	12:45-13:00	Du	Chen	Effect of Per- and Polyfluoroalkyl Substances on the Reactivity and Selectivity of Trichloroethylene-NAPL Degradation by Sulfidized Nanoscale Zerovalent Iron
Volatile Organic Compounds Chairs: Nan Lin, Erik Uhde				***Parallel Room 3***
173	11:45-12:00	Nan	Lin	Body burden of exposure to volatile organic compounds from using feminine hygiene products: Integrating measurement data and physiologically based toxicokinetic model
449	12:00-12:15	Laigang	Hu	Double-walled Al-based MOF with large microporous specific surface area for trace benzene adsorption
661	12:30-12:45	Erik	Uhde	Volatile organics and odors in the indoor environment
811	12:45-13:00	Cunteng	Wang	Numerical study of the dispersion of volatile organic compounds released from liquid crystal displays in an office
Public Health Chairs: Shaobin Wang, Michal Molcho				***Parallel Room 4***
265	11:45-12:00	Shaobin	Wang	Influence of environmental pollution on life expectancy: A scoping review
668	12:00-12:15	Michal	Molcho	Child and adolescent health in a time of environmental crisis
688	12:15-12:30	Laura	Langan	One health and the use of “omics-technologies”
808	12:30-12:45	Ben	Ryan	Shaping environment and health system resilience through the UNDRR public health scorecard
835	12:45-13:00	Bryan	Brooks	Integrative Water Quality Challenges and Opportunities on an Urbanizing Planet

ID	Time	First Name	Last Name	Title
97	13:00-13:15	Vuong M.	Ngo	Using HL7-FHIR as an Integration Platform for Chronic Disease Services Management and Planning in the Irish Healthcare Sector
Potentially Toxic Elements 1 Chairs: Juan Liu, Yamin Deng				***Parallel Room 1 – Bailey Allen Hall***
335	14:30-14:45	Juan	Liu	Probing thallium transformation behavior from soil to paddy system
701	14:45-15:00	Huimin	Cao	Migration and transformation characteristics of chromium (Cr) in different soil-paddy system
919	15:00-15:15	Lirong	Liu	Nonnegligible organic pollution released from common artisanal clusters of nonferrous mining area
923	15:15-15:30	Yanjun	Jiang	Formation and Stability Mechanism of Cd-organic-mineral Colloids in Aquatic Environments : Nanoscale Distribution and Molecular Transformation
992	15:30-15:45	Meina	Guo	Biological soil crusts as startup for the natural restoration of rare earth elements tailings: A microstructure study
Nanoparticles and Microplastics 2 Chairs: Hefa Cheng, Jamie Lead				***Parallel Room 2***
662	14:30-14:45	Jamie	Lead	Nano-enabled remediation of oil, metals and harmful algal blooms
708	14:45-15:00	Siyu	Zhang	Effect mechanism of antibiotic-microplastic combined pollution on the nitrogen cycle in water-plant-sediment micro-ecosystem
725	15:00-15:15	Zhenli	Sun	Flexible Au tapes for on-site detection of microplastics using surface-enhanced Raman scattering
527	15:15-15:30	Yi	Yang	High Resolution Characterization of Coal Combustion-Derived Metal-Containing Nanoparticles and Their Health Implications
Sediments Chairs: Qian Zhang, Beibei Chai				***Parallel Room 3***
563	14:30-14:45	Ling	Li	Secondary precipitates of sediments in karst mining-impacted fluvial system: effective scavengers of heavy metals
704	14:45-15:00	Beibei	Chai	Microbial pathways in the coupling of iron, sulfur, and phosphorus cycles at the sediment–water interface of a river system: An in situ study involving the DGT technique
739	15:00-15:15	Zetao	Dai	Loss of functional diversity after Spartina alterniflora invasion reduces carbon sequestration and nitrogen removal in mangrove sediments
741	15:15-15:30	Gang	Pan	Oxygen nanobubbles for water/sediment pollution remediation and ecological restoration
978	15:30-15:45	Yanqing	Sheng	Application of co-pyrolyzed dredged sediment for the in situ remediation of Cd polluted sediments in coastal rivers
POPs & PAHs Chairs: Feng Hu, Roberto Xavier Supe Tulcan				***Parallel Room 4***
164	14:30-14:45	Yang	Ding	Sedimentary records of persistent organic pollutants (OCPs and PCBs) in Ngoring Lake, the central Tibetan Plateau, China: Impacts of westerly atmospheric transport and cryospheric melting
421	14:45-15:00	Zhengnan	Cen	Advancing Breathomics Accuracy through Precise Discrimination of Endogenous and Exogenous Volatiles in Human Breath
552	15:00-15:15	Mengyang	Liu	Anthropogenic impacts on polycyclic aromatic hydrocarbon sedimentation in the basin of the Eastern Indian Ocean
593	15:15-15:30	Feng	Hu	Distinct physiological and molecular responses of regulated endogenous IAA on fluoranthene uptake in ryegrass

ID	Time	First Name	Last Name	Title
653	15:30-15:45	Roberto Xavier	Supe Tulcan	Microplastics and Polycyclic Aromatic Hydrocarbons in Ports Worldwide: Concentrations and Associated Risks
Potentially Toxic Elements 2 Chairs: Miloš Miler, Saša Kos				***Parallel Room 1 – Bailey Allen Hall***
14	16:15-16:30	Xiaomin	LI	Transformation of exogenous lead in soil during anoxic-oxic alteration: Insights into the roles of phosphorus and organic matter from kinetic modeling
277	16:30-16:45	Zhifang	Xiao	Chemical Speciation and Release Behavior of Copper in Contaminated Soil Aggregates: The Influence of the Intra-aggregate Radial Distribution
518	16:45-17:00	Miloš	Miler	Behaviour of solid carriers of potentially toxic elements in Slovenian historical Pb-Zn mining waste deposits as a consequence of climate change
587	17:00-17:15	Saša	Kos	Occurrence and fate of metal-bearing particles in soils in Pb-Zn mining and mineral processing area (The Upper Meža Valley, Slovenia)
Nanoparticles and Microplastics 3 Chairs: Jiang Xu, Izabela Jośko				***Parallel Room 2***
829	16:15-16:30	Izabela	Jośko	Transformed nanoparticles in the environment: the rise of beasts?
851	16:30-16:45	Sofia	Machado	Environmental safety assessment of new biopesticides using chitosan nanoparticles loaded with essential oils
980	16:45-17:00	Mengxi	Cao	Special distribution of nanoplastics in the central nervous system of zebrafish during early development
982	17:00-17:15	Fengjie	Chen	Electron transfer between water and hydroxyl groups on solid surface determine OH and H radical generation in contact electrification
1012	17:15-17:30	Shirong	Qiang	Cellular toxicology of carbon nanomaterials in environmental media
Soil Threats Chairs: Dharani Dhar Patra, Mingzhou Qin				***Parallel Room 3***
51	16:15-16:30	Dharani Dhar	Patra	Soil Health, Plant Health and Human Health
187	16:30-16:45	Yi jin	Lv	Soil moisture dynamics regulates the release rates and lability of copper in contaminated paddy soils
620	16:45-17:00	Diogo	Machado	A Tiered Risk Assessment Approach for Assessing Soil Contamination in an Area Adjacent to a Chemical Complex
690	17:00-17:15	Mingzhou	Qin	Spatiotemporal characteristics of soil erosion in a typical watershed consisting of different landscape: A case study of the Qin River Basin
Nitrogen Cycle Chairs: Chunli Su, Yanling Zheng				***Parallel Room 4***
503	16:15-16:30	Chunli	Su	Novel insights into the fate of nitrogen compounds in pore aquifers from molecular characterization of organic matter in Xiliao River Basin
900	16:30-16:45	Jing	Wang	High Nitrate Concentrations with Low N2O Emission Fluxes in the Haihe Small Watershed
941	16:45-17:00	Yanling	Zheng	Response of nitrifiers to aquatic acidification in estuarine and coastal waters
149	17:00-17:15	Yang	Gao	Human activities aggravate nitrogen-deposition pollution to inland water over China
221	17:15-17:30	Feng	Zhou	The global potential for mitigating nitrous oxide emissions from croplands

Posters
August 12th–15th, 09:00–18:30, Áras na Mac Léinn

ID	First Name	Last Name	Title
5	Chaosheng	Zhang	Towards Local Thinking in Environmental Data Analysis
56	Yao	Huang	Nano zerovalent iron supported on chitin microspheres for the removal of combined pollutants
90	Bing	Liao	Heterogeneous activation of peroxymonosulfate by natural chalcopyrite for efficient remediation of groundwater polluted by aged landfill leachate
96	Quan	Zhang	MtDNA copy number in oral epithelial cells severs as a potential biomarker of mitochondrial damage under neonicotinoids exposure: a cross-sectional study
113	Alexys	Boim	Temporal dynamics of Iron and Manganese distribution: Insights from a multi-year analysis using Canonical (MANOVA)-Biplot
144	Ting	Ruan	Expanding the Concerned List of Priority Polycyclic Aromatic Compounds Utilizing High-Resolution Mass Spectrometry Assisted by In Silico Predictions
179	Beiming	Cai	The economy-employment-environmental health transfer and embedded inequities of China's capital metropolitan area
195	Zijia	Liu	Assessment of heavy metal contamination in the soil and maize from an agricultural area in Northeast China
214	Changzhou	Yan	River health assessment reveals the effectiveness of watershed management in a pre-urban river
215	Guo	Liu	Insights into the effects of natural pyrite-activated sodium percarbonate on tetracycline removal from groundwater: Mechanism, pathways, and column studies
216	Jie	Tang	Identification of Hydrogeochemical Zonation in Metal Mines and a Remediation Guide for AMD Pollution in Dexing, China
222	Junrui	Chang	Thermal comfort investigation of 4-6 years old children by repeated measurement
223	Mao	Jie	Protonated carbon nitride elicits microalgae for water decontamination
224	Jennifer	Doig	Investigating the impact of cannonical tumour suppressor loss on development of malignant pleural mesothelioma.
230	Linfang	Wang	Pollution characteristics and Risk Assessment of antibiotics in Fenhe River
257	Shuping	Ren	PFOS causes HK-2 cell injury through ferroptosis and endoplasmic reticulum stress pathways
261	Jianxiong	Hu	National mortality burden attributable to the unprecedented heatwaves in 2022 in China
262	Junfang	Cui	A novel tool for tracing water sources of streamflow in a mixed land-use catchment
275	Danielle	McKinven	The roles of ERBB Signalling in Epithelioid Malignant Pleural Mesothelioma
283	Xinya	Hong	Investigating the Link Between Pleural Effusion and Mesothelioma Development in Genetically Defined Mouse Models Using Ultrasound
289	Hafiz Muhammad Kashif	Irshad	Fe-Mg bimetallic biochar: A novel strategy for stabilization of multi-metal contaminated soils
298	Chunlei	Liu	Evaluation of Heavy Metal Pollution and Health Risk Assessment in the Waters of the Quanzhou Bay Coastal, China
314	Min	Liu	Urban agglomerations as an environmental dimension of antibiotics transmission through the "One Health" lens
336	Tao	Yu	The bioavailability of soil selenium in high geological background areas

ID	First Name	Last Name	Title
338	Chunlei	Huang	Mechanism of Soil Selenium Enrichment and the Influencing Factors of its Availability in Jinqu Basin
340	Xiuli	Chang	Effects of Environmentally Relevant Concentration of SCCPs on BV2 Microglia Activation and Lipid Metabolism, Implicating Altered Neurogenesis
342	Yingxin	Wu	Behavior and fate of short chain chlorinated paraffins (SCCPs) in different oxidation reactions
345	Wencheng	Wu	Soil and groundwater contaminated with short-chain chlorinated paraffins and microbial responses
346	Yue	Zhang	Nitrogen cycle in Tokyo's Sewage System: Assessing the Potential of Recycling Nitrogen Resource
355	Yi	Zheng	Ambient Air Pollution and Hospital Admission for Interstitial Lung Diseases
357	Xing	Wu	Variable climatic conditions dominate decreased wetland vulnerability on the Qinghai-Tibet Plateau: Insights from the ecosystem pattern-process-function framework
358	Guanhao	He	Associations of compound hot extreme in warm season with adults' blood pressure and its potential driving factors: a panel study
364	Jinguang	Yang	A novel pH-responsive multi-component nano-delivery system for siRNA: specific targeting of heat shock protein 70 for effective control of tobacco mosaic virus
367	Qian	Zhang	Soil Fe dynamics and isotope fractionation under agricultural soils
375	Changhe	Wei	Industrial site pollution identification based on explainable machine learning: A case study of nonferrous metal industrial sites in China
382	Tong	Liu	Multiomics sequencing and AlphaFold2 analysis of the stereoselective behavior of mefentrifluconazole for bioactivity improvement and risk reduction
398	Junfeng	Shen	China Medical Stone - A special kind of geological material with bidirectional effect on nutrient trace elements
399	Madeleine	Billmann	Effect of aging on oral bioaccessibility of Cr and Ni in soils with or without changes in practices
408	Jennifer	Newell	Investigating ingestion risks from soils and vegetables grown in urban lead-contaminated soil, and mitigation by soil amendments
439	Yonghua	Wang	Geochemical Influences on Soil Carbon Pools in the Jialing River Basin, China
442	Lin	Ye	The role of NLRP3 in pyroptosis of hepatocyte induced by PS-MPs
445	Meng	Zhang	Insights into the mechanisms underlying the biodegradation of phenanthrene in biochar-amended soil: From bioavailability to soil microbial communities
451	Yang	Liu	Studies on the Bioaccessibility of Arsenic in Different Wild Edible Mushrooms
453	Ling	Song	The impact of atmospheric N deposition and N fertilizer type on soil nitric oxide and nitrous oxide fluxes from agricultural and forest Eutric Regosols
454	Liping	Liu	Analysis and Study of Eight Arsenic Forms in Urine by HPLC-ICP/MS
485	Xianjin	Tang	Methane Emissions from Paddy Soils is Reduced by Soil Arsenic Content: Insight from Continental Investigation and Laboratory Incubation
500	Dawei	Lu	Tracing the source of pollutants via digital technology
501	Wende	Yan	Soil microbial respiration and its driving factors in four subtropical forests
519	German	Azcune	Historical trends of mercury in Nutrias Lagoon, Uruguay
524	Taotao	Yan	Characteristics of geochemical gene in a longevity village of Bama in Guangxi, China
526	Chunshui	Lin	Secondary pollution in northwest China

ID	First Name	Last Name	Title
553	Liping	Liang	Immobilization of nanoscale zero-valent iron on MIL-101(Cr) for efficient removal of U(VI) and assessment of inactivate against Escherichia coli
566	Xiangwei	You	The co-addition of attapulgite and biochar mitigates ammonia and nitrous oxide emissions and shortens composting cycle during Enteromorpha prolifera composting
572	Ruimin	Liu	Analysis of the Source and Multimedia distribution for Antibiotics in the Fenhe River Basin
575	Yiyun	Zhang	The relationship between Environment pollutions and serum IgE level in Chinese school age children
576	Qi	Wang	Application of Adverse outcome pathway (AOP) network approach to study reproductive toxicity induced by endocrine disruptor Chemicals
577	Xiangyang	Shu	Effects of grazing exclusion on soil microbial diversity and its functionality in grasslands
602	Dominika	Lubawska	Novel therapeutic strategies for malignant mesothelioma
608	VASILEIOS	ANTONIADIS	Enhancing Sonchus oleraceus Growth in Contaminated Mining Soil of Lavrio, Greece: Biostimulants Efficacy in Potentially Toxic Elements (PTEs) Remediation
654	Violina	Angelova	Evaluation of minerals, trace elements, and heavy metals in Bulgarian honey and health risk
660	Xiaoning	Lei	Imbalance of Gut Microbiota Induced By F-53B in Female Mice
687	Zacharenia	Kypritidou	Soil mineralogy in support of a regional geochemical baseline study in Greece
702	Hanjiang	Pan	Replication of cabbage and spinach certified reference materials for biochemical analysis
719	Nora	Foley	Linking lead particulate matter in air filters to metal contamination in soils near a lead-acid battery smelter, East Los Angeles, California, U.S.A.
726	Shujian	Yuan	Viral and Bacterial Communities Collaborate through Complementary Assembly Processes in Soil to Survive Organochlorine Contamination
729	Li	Xu	Exogenous IAA application affects the specific characteristics of fluoranthene distribution in Arabidopsis
766	Robert	Ayuso	Environmental Impact of Lead-acid Battery Recycling Smelters, East Los Angeles, California, U.S.A.: Pb Isotopic and Elemental Compositions of Soils
772	Apoorva	Bamal	Analyzing Temperature and Solar Radiation Trend Predictions using data driven Hybrid model
785	Zhiwei	Sun	An adverse outcome pathway framework of PM2.5 and vascular calcification
787	Junchao	Duan	PM2.5-induced cardiac hypertrophy via iron homeostasis imbalance and ferroptosis
795	Yuan	WEI	Theoretical principle, project practice, and research progress of forestry schistosomiasis control in China
801	Shuqin	Tang	Prenatal Exposure to Emerging Plasticizers and Synthetic Antioxidants and Their Potency to Cross Human Placenta
817	Song	Gao	Research on New Substances and Potential Health Impacts in the Pharmaceutical Industry Based on High-Throughput Methods
841	Xuezhu	Ye	Effects of K3PO4 and KOH modified biochar on the adsorption and remediation on Cd in water and soil environment
865	Hongxi	Ma	Effect and mechanism of activated persulfate degradation for RDX in military contaminated site: Laboratory- and pilot-scale studies
867	liao	riquan	Distribution Characteristics, Migration Behavior and Ecological Risk Assessment of Phthalate Esters in Qinzhou Bay, China
883	Haoliang	Lu	Formation of iron plaques on the surfaces of microplastics in wetlands: implications for heavy metal toxicity and microbial communities

ID	First Name	Last Name	Title
909	Guangbo	Qu	Ion-Mobility Quadrupole Time-of-Flight Mass Spectrometry: A Novel Technique to Characterize the Environmental Organic Micropollutants
929	Yixuan	HOU	Three-dimensional distribution characteristics of multiple pollutants in the soil at a steelworks mega-site based on multi-source information
931	Sarah	Laing	ERBB signalling contributes to immune evasion in KRAS-driven lung adenocarcinoma
940	Ping	Han	Abundance, diversity and physiological preferences of comammox Nitrospira in urban groundwater
942	Jialiang	Tang	Tempo-spatial controls of total coliform and E. coli contamination in a subtropical hilly rural watershed without sewage treatments
945	Zhuoran	Luan	Study on spatial analysis of geological environment and long-lived villages , southern section of Taihang Mountain, Xingtai-Handan, China
950	Jiachun	Shi	Dynamic response of cadmium immobilization to a Ca-Mg-Si soil conditioner in the contaminated paddy soil
976	Shahzad	Azeem	Community-Based Management of Waterborne Diseases and Data-Driven Risk Assessment for Health Policy Interventions
985	Wenxiao	Pan	Major Influence of Hydroxyl and Nitrate Radicals on Air Pollution by Environmentally Persistent Free Radicals
988	Xian	Liu	ChemNTP: Advanced Prediction of Neurotoxicity Targets for Environmental Chemicals Using a Siamese Neural Network
989	Wenxiao	Pan	Major Influence of Hydroxyl and Nitrate Radicals on Air Pollution by Environmentally Persistent Free Radicals
990	Dan	Chen	Preparation of fluopyram-loaded nanofiber nematicide and its biological activity against Meloidogyne incognita
991	Xiuguo	Wang	The fate, acute, and subchronic risks of dinotefuran in the water-sediment system: a systematic analysis at the enantiomer level
994	Hongbo	Sheng	Whether cattle and horse manure in pastural area will deteriorate water quality of local lakes?
1005	Lei	Guo	Geochemical Characteristics and Formation Mechanisms of Geothermal Fluids in the north-central part of the Xinding Basin
1009	Yang	Lu	Nanoscale Mechanisms of Arsenic Sequestration and Vertical Distribution in Soils with Natural High Backgrounds
1013	Shayan	Kabiri	Application of X-ray fluorescence core scanning for high resolution analysis of soil geochemical concentrations.
1015	Wei	Shi	Endocrine disrupting chemicals identification based on high-throughput bioassay and chemical analysis

Special Issues in Journals

Title:	'Special Issue of Joint Conference of ISEH, ICEPH and ISEG: Artificial Intelligence and Machine Learning for Environmental Health'
Journal name:	Environment & Health
Guest Editors:	Miao Yu, The Jackson Laboratory, USA; Mingliang Fang, Fudan University, China; Zhenyu Tian, Northeastern University, USA ; Bin Wang, Peking University, China; Douglas Walker, Emory University, USA; Yuming Guo, Environment & Health Monash University, Australia.
Contact:	Dr. Qian Liu, qianliu@rcees.ac.cn

Title:	'Special Issue of Joint Conference of ISEH, ICEPH and ISEG: Geo-health Survey progress and future'.
Name of Journal:	China Geology
Guest Editors:	Liu Darwin, National Research Center for Geonalysis, NRCG; Liu Siwen, National Research Center for Geonalysis, NRCG.
Contact:	Dr. Dawen Liu dawen_liu@qq.com.

Delegate List

This list is correct at the time of print.
The list only includes delegates that gave permission to share details.

First Name	Last Name	Affiliation	Country/Region
Stefano	Albanese	University Napoli Federico II	Italy
Saeed	Alsamhi	University of Galway	Ireland
Elena	Alvareda	Universidad de la República	Uruguay
Taicheng	An	Guangdong University of Technology	China
Yan	AN	Soochow University	China
Violina	Angelova	Agricultural Universiry, Plovdiv	Bulgaria
VASILEIOS	ANTONIADIS	University of Thessaly	Greece
Ariadne	Argyraki	National & Kapodistrian University of Athens	Greece
Emmanuel	Arhin	University of Energy and Natural Resources	Ghana
Maria Aurora	Armienta	Universidad Nacional Autonoma de Mexico	Mexico
Joseph	Ayotte	U.S. Geological Survey	United States
Robert	Ayuso	United States Geological Survey	United States
German	Azcune	Universidad de la República (UdelaR), Rocha	Uruguay
Shahzad	Azeem	University of Gujrat	Pakistan
Yue	Ba	Zhengzhou University	China
Apoorva	Bamal	University of Galway	Ireland
Zhan	Ban	Nankai University	China
Andre	Banning	University of Greifswald	Germany
Jingzi	Beiyuan	Foshan University	China
Olga	Belyaeva	Center for Ecological-Noosphere Studies NAS RA	Armenia
Xinhui	Bi	Guangzhou Institute of Geochemistry	China
Madeleine	Billmann	Junia, LGCgE	France
Alexys	Boim	University of São Paulo	Brazil
Bryan	Brooks	Baylor University	United States
Fei	Bu	Shenyang Agricultural University	China
Beiming	Cai	Henan University	China
pei	cao	China National Center for Food Safety Risk Assessment	China
Mengxi	Cao	Jianghan University	China
Huimin	Cao	Guangzhou University	China
Wenzhi	Cao	Xiamen University	China
Zhengnan	Cen	Fudan University	China
Jose	Centeno	University of Puerto Rico	Puerto Rico
Beibei	Chai	Hebei University of Engineering	China
Scott	Chang	University of Alberta	Canada
Xiuli	Chang	Fudan University	China
Junrui	Chang	National Institute Of Environmental Health	China
HUAZHEN	CHANG	Renmin University of China	China
Xun Wen	Chen	Jinan University	China
Du	Chen	Zhejiang University	China
jibin	Chen	Chengdu Technological University	China
Xi	Chen	Chinese Center for Disease Control and Prevention	China
Zhifan	Chen	Henan University	China
FENGJIE	CHEN	Jianghan University	China
Dan	Chen	Tobacco Research Institute of Chinese Academy of Agricultural Sciences	China
De	Chen	Zhejiang Academy of Agricultural Sciences	China
Ella	Cheney	University College Dublin	Ireland
Hefa	Cheng	Peking University	China
Luan	Cheng	China University of Geosciences (Beijing)	China
Qiuming	Cheng	Sun Yat-sen University	China
Jialin	Chi	Guangdong Institute of Eco-Environmental & Soil Sciences	China
Yen-Lin	Cho	National Chung Hsing University	Taiwan, China
hyojung	Choi	Gwangju Institute of Science & Technology	Korea
Peter	Christie	-	-
Domenico	Cicchella	University Sannio Benevento	Italy

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Minhan	Dai	State Key Lab of Marine Environmental Science, Xiamen University, China	China
Zetao	Dai	Xiamen University	China
Zhongmin	Dai	Zhejiang University	China
BRIGHT OWUSU	DARKWAH	K.N.U.S.T.	Ghana
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Furong	Deng	Peking University	China
Liang	Ding	Jiangsu Environmental Engineering Technology Co.,Ltd.	China
Yang	Ding	Sichuan Normal University	China
Jennifer	Doig	University of Glasgow	United Kingdom
Kim	Dowling	RMIT University	Australia
Yao	Du	China University Geosciences Wuhan	China
jingjing	du	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	China
Limin	Duan	Department of Environmental Science, Zhejiang University	China
haijing	duan	Henan University	China
Junchao	Duan	Capital Medical University	China
Thomas	Ducey	Agricultural Research Service, USDA	United States
Michael	Fahy	Monash Health & University of New South Wales	Australia
Hongli	Fan	Chinese Academy of Agricultural Sciences	China
lianjie	fan	Institute of Karst Geology, Chinese Academy of Geological Sciences	China
Qiaohui	Fan	Northwest Institute of Eco-Environment and Resources, CAS	China
Liping	Fang	Guangdong institute of eco-environmental & Soil Sciences	China
Mingbao	Feng	Xiamen University	China
Hangjian	Feng	Zhejiang Institute of Geosciences	China
Beatriz	Fernandes	GreenUPorto & INOV4AGRO	Portugal
Rok	Fink	University of Ljubljana, Faculty of Health Sciences	Slovenia
Robert	Finkelman	University of Texas	United States
Nora	Foley	United States Geolgical Survey	United States
João	Frias	Atlantic Technological University	Ireland
SHENGLEI	FU	Henan University	China
Bojie	Fu	Chinese Academy of Sciences	China
Martin	Gaberšek	Geological Survey of Slovenia	Slovenia
Bo	Gao	China Institute of Water Resources and Hydropower Research	China
Yanpeng	Gao	Guangdong University of Technology	China
Yang	Gao	Institute of Geographic Sciences and Natural Resources Research, CAS	China
Song	Gao	Shanghai University	China
CHUANZI	GAO	Southern University of Science and Technology	China
Maofa	Ge	Institute of Chemistry, Chinese Academy of Sciences	China
Faina	Gelman	Geological Survey of Israel	Israel
Bibin	George	Mangosuthu University of Technology	South Africa
Patrick Kirita	Gevera	University of South Africa	South Africa
Aspasia	Grammenou	University of Thessaly	Greece
Tianjia	Guan	Chinese Academy of Medical Sciences & Peking Union Medical College	China
Viraj	Gunarathne	University of Wuppertal	Germany
MEINA	GUO	Ganjiang Innovation Academy, Chinese Academy of Sciences	China
Lei	Guo	China University of Geosciences	China
Feng	Guo	National Research Center for Geoanalysis	China
Yunlong	Guo	Institute of Eco-environmental and Soil Sciences, Guangdong Academy of Sciences	Switzerland
Shen	Guofeng	College of Urban and Environmental Sciences, Peking University	China
Yingchun	Han	Shenyang Agricultural University	China
Ping	Han	East China Normal University	China
xie	hao	Institute of Karst Geology, Chinese Academy of Geological Sciences	China
Zheng	Hao	Institute of Soil Science, Chinese Academy of Sciences	China
Miao	He	Chian Medical University	China

First Name	Last Name	Affiliation	Country/Region
Guanhao	He	Jinan University	China
Chang	He	Guangdong University of Technology	China
Yan	He	Zhejiang University	China
Liangying	He	South China Normal University	China
Teresa	Heller	Universidad de la República	Uruguay
Xinya	Hong	University of Glasgow	China
Yixuan	HOU	Chinese Academy of Sciences	China
Qingye	Hou	China University of Geosciences	China
Jie	Hou	Zhejiang University	China
Yifei	Hu	Capital Medical University	China
Jianxiong	Hu	Jinan University	China
Shiwen	Hu	Guangdong Institute of Eco-Environmental & Soil Sciences	China
Feng	Hu	Nanjing Agricultural University	China
yanxin	hu	Chinese Academy of Sciences	China
Laigang	Hu	Zhejiang University	China
Yichao	Huang	Anhui Medical University	China
Yao	Huang	China University of Geosciences	China
Ye	Huang	East China Normal University	China
Ru-Jin	Huang	Institute of Earth Environment, CAS	China
Lei	Huang	Nanjing University	China
Yi	Huang	National Research Center for Geo analysis (NRCGA)	China
Chunlei	Huang	Zhejiang Institute of Geosciences	China
Andrew	Hursthouse	University of the West of Scotland	United Kingdom
DILWAR	HUSSAIN	Jawaharlal Nehru university	India
Jim	Ippolito	The Ohio State University	United States
HAFIZ MUHAMMAD KASHIF	IRSHAD	Yonsei University	Korea
Jaana	Jarva	Geological Survey of Finland	Finland
Han Gyeol	Jeon	Gwangju Institute of Science and Technology	Korea
Yuemeng	Ji	Guangdong University of Technology	China
Junjie	Jia	Institute of Geographic Sciences and Natural Resources Research	China
Guibin	Jiang	Chinese Academy of Sciences	China
Yanjun	Jiang	Sun Yat-sen University	China
Ouyuan	Jiang	Zhejiang University	China
Xingchun	Jiao	National Research Center for GeoAnalysis	China
Mao	Jie	Chinese Academy of Sciences	China
Mingxia	Jin	East China Normal University	China
Jing	Jin	China Geological Survey	China
Lei	Jin	Xiamen University of Technology	China
Liu	Jing	Chengdu University of Technology	China
Luo	Jinjing	Xiamen University	China
Izabela	Jośko	University of Life Sciences	Poland
Albert	Juhasz	University of South Australia	Australia
Shayan	Kabiri	University College Dublin	Ireland
Haidong	Kan	Fudan University	China
Pakshirajan	Kannan	Indian Institute of Technology	India
Michael	Kersten	Johannes Gutenberg-University	Germany
Christos	Kikis	University of Thessaly	Greece
Saša	Kos	Geological Survey of Slovenia	Slovenia
Zacharenia	Kypritidou	University of Athens	Greece
Sarah	Laing	University of Glasgow	United Kingdom
Michael	Lang	University of Galway	Ireland
Laura	Langan	University of South Carolina	United States
J	Lead	University of South Carolina	United States
Mei	Lei	Chinese Academy of Sciences	China
Xiaoning	Lei	Shanghai Jiaotong University	China
Yiqiang	Li	Institute of Chinese Academy of Agricultural Sciences	China
Jianbing	Li	University of Northern British Columbia	Canada
Li	LI	Xiamen Huayang Imports&Exports Trading CO. LTD.	China
Xin	Li	Beijing Technology and Business University	China
Ye	Li	East China Normal University	China
Xiang	Li	Fudan University	China
Guiying	Li	Guangdong University of Technology	China
Fujie	Li	Institute of Geochemistry,CAS	China
Cheng	Li	Chinese Academy of Geological Sciences	China
Zhiwen	Li	Peking University	China
Xing	Li	Renmin University of China	China

First Name	Last Name	Affiliation	Country/Region
Xiaoping	Li	Shaanxi Normal University	China
Kun	Li	Shandong University	China
Xiaomin	LI	South China Normal University	China
Ling	Li	Chinese Academy of Sciences	China
Weifeng	Li	Chinese Academy of Sciences	China
Zhiyuan	Li	Sun Yat-sen University	China
Yong	Li	Zhejiang University	China
Yunfan	Li	University of Galway	Ireland
Liping	Liang	Changzhou University	China
Yuzhen	Liang	South China University of Technology	China
Bing	Liao	Chengdu University of Technology	China
Chunshui	Lin	Institute of Earth Environment, CAS	China
Wenfang	Lin	Chinese Academy of Sciences	China
Nan	Lin	Shanghai Jiao Tong University	China
Daohui	Lin	Zhejiang University	China
Bin-Le	LIN	National Institute of Advanced Industrial Science and Technology	Japan
Mengyang	Liu	City University of Hong Kong	China
Yu-Ting	Liu	National Chung Hsing University	Taiwan, China
Chuanlei	Liu	Radiation Protection Bureau of Health Canada	Canada
Qing	Liu	China National Center for Food Safety Risk Assessment	China
Yongchun	Liu	Beijing University of Chemical Technology	China
Wenjing	Liu	Agro-Environmental Protection Institute Ministry of Agriculture and Rural Affairs	China
Liping	Liu	Beijing Center for Disease Prevention and Control	China
Yang	Liu	Beijing Center for Disease Prevention and Control	China
Ruimin	Liu	Beijing Normal University	China
Guo	Liu	Chengdu University of Technology	China
Hui	Liu	China University of Geosciences	China
Ningqiang	Liu	China University of Geosciences (Beijing)	China
Chunlei	Liu	Chinese Academy of Geological Science	China
Min	Liu	East China Normal University	China
Juan	Liu	Guangzhou University	China
Zijia	Liu	Chinese Academy of Geological Science	China
Yaci	Liu	Chinese Academy of Geological Science	China
Dong	Liu	Jianghan University	China
Tao	Liu	Jinan University	China
Siwen	LIU	National Research Center for GeoAnalysis	China
Dawen	Liu	National Research Center for GeoAnalysis	China
Dengchao	Liu	Ningxia University	China
Qian	Liu	Chinese Academy of Sciences	China
Xian	Liu	Chinese Academy of Sciences	China
An	Liu	Shenzhen University	China
Lirong	Liu	Sun Yat-sen University	China
Yuewei	Liu	Sun Yat-sen University	China
Tong	Liu	Tobacco Research Institute of Chinese Academy of Agricultural Sciences	China
Yuxue	Liu	Zhejiang Academy of Agricultural Sciences	China
Xingmei	Liu	Zhejiang University	China
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Peng	Lu	Binzhou Medical University	China
Li	Lu	Chinese Academy of Geological Sciences	China
Dawei	Lu	Chinese Academy of Sciences	China
Anhuai	Lu	Peking University	China
Yang	Lu	South China Institute of Environmental Sciences	China
Haoliang	Lu	Xiamen University	China
Zhuoran	Luan	Hebei GEO University	China
Dominika	Lubawska	University of Glasgow	United Kingdom
Yongming	Luo	Chinese Academy of Sciences	China
Emily	LuyTan	Dartmouth College	United States
Yi jin	Lv	South China University of Technology	China
Jin	Ma	Chinese Research Academy of Environmental Sciences	China
Wenjun	Ma	Jinan University	China
Hongxi	Ma	Institute of Geographic Sciences and Natural Resources Research, CAS	China
Yuxin	Ma	Shanghai Jiao Tong University	China
Diogo	Machado	University of Porto	Portugal

First Name	Last Name	Affiliation	Country/Region
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Thobeka	Makhathini	Mangosuthu University of Technology	South Africa
Jennifer	McKinley	Queen's University Belfast	United Kingdom
Danielle	McKinven	University of Glasgow	United Kingdom
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NTOMBIKAYISE GLORIA	MKHIZE	Mangosuthu University of Technology	South Africa
Dr Xolile	Mkhize	Mangosuthu University of Technology	South Africa
Gretta	Mohan	Economic and Social Research Institute	Ireland
Michal	Molcho	University of Galway	Ireland
Alfred	Msomi	Mangosuthu University of Technology	South Africa
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Jennifer	Newell	Queen's University Belfast	United Kingdom
Tin Lok James	Ng	China National Center for Food Safety Risk Assessment	Ireland
Vuong M.	Ngo	Dublin City University	Ireland
Zhongyun	Ni	Chengdu University of Technology	China
Anne	Nigra	Columbia University Mailman School of Public Health	United States
Chen	Ning	Central South University of Forestry and Technology	China
Shu	Niu	Zhengzhou University	China
S'busiso	Nkosi	Mangosuthu University of Technology	South Africa
Niall	O Brolchain	University of Galway	Ireland
Patryk	Oleszczuk	University of Maria Curie-Skłodowska	Poland
Constanza	Onate Garcia	-	-
Jurgita	Ovadnevaite	School of Natural Sciences	Ireland
Cristiana	Paiva	University of Porto	Portugal
Dajian	Pan	Zhejiang Geology and Mineral Technology Co.,Ltd	China
Hanjiang	Pan	Institute of Geophysical and Geochemical Exploration, CAGS	China
Wenxiao	Pan	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	China
Gang	Pan	York St John University	United Kingdom
Samsad	Parween	Aligarh Muslim University	India
Carla	Patinha	University of Aveiro	Portugal
Dharani Dhar	Patra	Seacom Skills University	India
Min	Peng	Chinese Academy of Geological Sciences	China
Kunfu	Pi	China University of Geosciences	China
Linbo	Qian	Chinese Academy of Sciences	China
Yao	Qian	Chinese Academy of Sciences	China
Shirong	Qiang	Lanzhou University	China
Mingzhou	Qin	Henan University	China
Changsheng	Qu	Jiangsu Environmental Engineering Technology Co., Ltd.	China
Guangbo	Qu	Chinese Academy of Sciences	China
Jovana	Radosavljevic	University of Waterloo	Canada
Audil	Rashid	University of Gujrat	Pakistan
Peter	Redmond	Dublin City University	Ireland
Tanja	Reiff	University of Wuppertal	Germany
Shuping	Ren	Jilin University	China
Jörg	Rinklebe	University of Wuppertal	Germany
liao	riquan	Beibu gulf university	China
Ting	Ruan	Chinese Academy of Sciences	China
Sacha	Ruzzante	University of Victoria	Canada
Ben	Ryan	Baylor University	United States
Matteo	Serra	Cagliari University	Italy
Sabry	Shaheen	University of Wuppertal	Germany
YuXiao	Shao	Chinese Academy of Sciences	China
Junfeng	Shen	China University of Geosciences	China
Hongbo	Sheng	Xinjiang University	China
Yanqing	Sheng	Yantai Institute of Coastal Zone Research, CAS	China
Jiachun	Shi	Zhejiang University	China
Wei	Shi	Nanjing University	China
Xun	Shi	Dartmouth College	United States
Tao	Shu	Peking University	China
Xiangyang	Shu	Sichuan Normal University	China
Cassio	Silva	Geologycal Service of Brazil - CPRM	Brazil
Soili	Solismaa	Geological Survey of Finland	Finland

First Name	Last Name	Affiliation	Country/Region
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Yang	Song	Chinese Academy of Sciences	China
Yang	Song	Research Center for Eco-Environmental Sciences	China
Donald	Sparks	University of Delaware	United States
Liqin	Su	Chinese Center for Disease Control and Prevention	China
Chunli	Su	China University of Geosciences	China
Manlin	Su	Xiamen University	China
Daniel	Sui	Virginia Tech	United States
Yuzhu	Sun	Suzhou University	China
Lu	Sun	China Geological Environment Monitoring Institute	China
Wenming	Sun	Department of Natural Resources of Zhejiang Province	China
Yanming	Sun	East China Normal University	China
Mingming	Sun	Nanjing Agricultural University	China
Hongwen	Sun	Nankai University	China
Zhenli	Sun	University of Galway	China
Zhiwei	Sun	Capital Medical University	China
Roberto Xavier	Supe Tulcan	College of Urban and Environmental Sciences, Peking University	China
Karsoon	Tan	Beibu Gulf University	China
Yixi	Tan	Beijing Normal University	China
XIANG	TANG	Jiangsu Environmental Protection Group Co., LTD	China
Youmin	Tang	University of Northern British Columbia	Canada
Jie	Tang	Chengdu University of Technology	China
Jialiang	Tang	Institute of Mountain Hazards and Environment, CAS	China
Qifeng	Tang	National Research Center for GeoAnalysis	China
Jianhui	Tang	Yantai Institute of Coastal Zone Research, Chinese Academy Sciences	China
Xianjin	Tang	Zhejiang University	China
Timo	Tarvainen	Geological Survey of Finland	Finland
Yangzixin	Teng	University of Connecticut	China
Ying	Teng	Chinese Academy of Sciences	China
Gevorg	Tepanosyan	Center for Ecological-Noosphere Studies NAS RA	Armenia
Hao	Tian	China University of Geosciences	China
Shengrui	Tong	Chinese Academy of Sciences	China
Chen	Tu	Chinese Academy of Sciences	China
Erik	Uhde	Fraunhofer WKI	Germany
Philippe	Van Cappellen	University of Waterloo	Canada
Cunteng	Wang	The Hong Kong Polytechnic University	China
Siwen	Wang	Beijing Technology and Business University	China
Jun	Wang	Central South University of Forestry and Technology	China
Yonghua	Wang	Chengdu Center, China Geological Survey	China
Qiyu	Wang	Chengdu Technological University	China
Qing	Wang	Chinese Center for Disease Control and Prevention	China
Yanxin	Wang	China University of Geosciences	China
Teng	Wang	Peking Union Medical College	China
Hailong	Wang	Foshan University	China
Fan	Wang	Hangzhou Normal University	China
Weigang	Wang	Chinese Academy of Sciences	China
Jing	Wang	Chinese Academy of Sciences	China
xueqiu	wang	Institute of Geophysical and Geochemical Exploration, CAGS	China
Ling	Wang	Jianghan University	China
Nan	Wang	Northeast Normal University	China
Shaobin	Wang	Chinese Academy of Sciences	China
Xiaoping	Wang	Chinese Academy of Sciences	China
Qi	Wang	Peking University	China
Bin	Wang	Peking University	China
Meizhen	Wang	Gongshang University	China
Linfang	Wang	Shanxi Agriculture University	China
Xia	Wang	Sichuan Normal University	China
Feifei	Wang	Xiamen University	China
Xiuguo	Wang	Chinese Academy of Agricultural Sciences	China
Shuxiao	Wang	Tsinghua University	China
Guan	Wang	University of Shanghai for Science and Technology	China
Jiping	Wang	Xiamen University of Technology	China
Geliang	Wang	Zhejiang Institute of Geosciences	China
anli	wang	Zhejiang University	China
Lixin	Wei	Chinese Academy of Science	China
Yuan	WEI	Chengdu Technological University	China

First Name	Last Name	Affiliation	Country/Region
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Christoph	Weihrauch	University of Wuppertal	Germany
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Jason	White	Connecticut Agricultural Experiment Station	United States
Owen	Williams	Ireland Brownfield Network	Ireland
Ming Hung	Wong	The Education University of Hong Kong	China
Xiaohong	Wu	Central South University of Forestry and Technology	China
Wenhao	Wu	Zhejiang University	China
YingQin	WU	Northwest Institute of Eco-Environment and Resources,CAS	China
Xing	Wu	Chinese Academy of Sciences	China
Wencheng	Wu	South China Institute of Environmental Sciences	China
Yingxin	Wu	South China Institute of Environmental Sciences	China
Qingru	WU	Tsinghua University	China
Guangxue	Wu	University of Galway	Ireland
Weiyi	Xia	Jiangsu Environmental Engineering Technology Co.,Ltd.	China
Xueqi	Xia	China University of Geosciences, Beijing	China
Kang	Xia	Virginia Tech	United States
Zhifang	Xiao	South China University of Technology	China
jiang	Xiao	South China University of Technology	China
Xianjun	Xie	China University Geosciences Wuhan	China
Dongyu	Xu	China Institute of Water Resources and Hydropower Research	China
Haofan	Xu	Foshan University	China
Wei	Xu	Institute of Urban environment	China
Li	Xu	Nanjing Agricultural University	China
Yuxiao	Xu	China University of Geosciences	China
Ruijun	Xu	Sun Yat-sen University	China
Mingxing	Xu	Zhejiang Institute of Geosciences, Hangzhou 311200	China
Jiang	Xu	Zhejiang University	China
Jianming	Xu	Zhejiang University	China
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Jiangkai	Xue	China University of Geosciences	China
Jiaqi	Xue	Institute of Geochemistry, Chinese Academy Sciences	China
Wen	Yan	-	China
Changzhou	Yan	Institute of Urban Environment	China
Wende	Yan	Central South University of Forestry and Technology	China
Taotao	Yan	National Research Center for GeoAnalysis	China
Bing	Yan	China University of Geosciences	China
Guishan	Yang	Hohai University	China
Guangmei	Yang	-	China
Zhongfang	Yang	China University of Geosciences	China
Yi	Yang	East China Normal University	China
Jie	Yang	Chinese Academy of Sciences	China
Sheng-Chang	YANG	Xiamen University	China
Ming	Yang	Shanghai University	China
Cunjian	Yang	Sichuan Normal University	China
Bin	Yang	South China Normal University	China
Jinguang	Yang	Chinese Academy of Agricultural Sciences	China
Kun	Yang	Zhejiang University	China
Zhiliang	Yao	Beijing Technology and Business University	China
Lin	Ye	Jilin University	China
Chengsong	Ye	Xiamen University	China
Xuezhu	Ye	Zhejiang Academy of Agricultural Sciences	China
Yang	Yeyu	Chinese Academy of Geological Sciences	China
Jingjing	Yin	Chinese Academy of Geological Sciences	China
Guoyu	Yin	East China Normal University	China
Xiangwei	You	Chinese Academy of Agricultural Sciences	China
Qi	You	Zhejiang University	China
Yanxin	Yu	Beijing Normal University	China
Xin	Yu	Xiamen University	China
Tao	Yu	China University of Geosciences	China
Ting	Yu	Shanghai University	China
Xiaofang	Yuan	China University of Geosciences	China
Shujian	Yuan	Nanjing Agricultural University	China
Yanhong	Zeng	Guangzhou Institute of Geochemistry	China
YUCHEN	ZHANG	Chinese Academy of Sciences	China

First Name	Last Name	Affiliation	Country/Region
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Shuo	Zhang	China National Center for Food Safety Risk Assessment	China
JUNFAN	ZHANG	Zhejiang Huakun Geological Development Co. Ltd	China
yunhui	zhang	Fudan University	China
Guohua	Zhang	Guangzhou Institute of Geochemistry	China
Weina	Zhang	Guangdong University of Technology	China
Hua	Zhang	Chinese Academy of Sciences	China
Qian	Zhang	Institute of Geographic Sciences and Natural Resources Research, CAS	China
YUANJING	ZHANG	Institute of Hydrogeology and Environmental Geology, CAGS	China
Xiaokai	Zhang	Jiangnan University	China
Quan	Zhang	Zhejiang University of Technology	China
Meng	Zhang	Nanjing Forestry University	China
Longlong	Zhang	National Research Center for GeoAnalysis	China
Yiyun	Zhang	Peiking Union Medical College	China
Lin	Zhang	Peking University	China
Yuqiang	Zhang	Shandong University	China
Haiyun	Zhang	Shanghai Academy of Agricultural Sciences	China
Yanyan	Zhang	Westlake University	China
Qian	Zhang	Xiamen University	China
Chaosheng	Zhang	University of Galway	Ireland
Yue	Zhang	The University of Tokyo	Japan
Min	Zhao	Institute of Geochemistry, CAS	China
Yirong	Zhao	Chinese Academy of Sciences	China
Fang-Jie	Zhao	Nanjing Agricultural University	China
Yanling	Zheng	East China Normal University	China
Yan	Zheng	Southern University of Science and Technology	China
Yi	Zheng	Sun Yat-sen University	China
Wenbin	Zhou	Chinese Academy of Science	China
Feng	Zhou	Peking University	China
Zhicheng	Zhou	South China Normal University	China
Yan	Zhou	Zhejiang Institute of Geosciences	China
Xiaoyun	Zhou	Nanjing Agricultural University	United Kingdom
Fan	Zhu	Central South University of Forestry and Technology	China
Tong	Zhu	College of Environmental Sciences and Engineering, Peking University	China
Yongguan	Zhu	Institute of Urban Environment, CAS	China
Daniela	Zuzolo	University Sannio	Italy