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CHENGDU, CHINA

# The XIV Congress of the International Association for Engineering Geology and the Environment



Session 4-6

## Novel Contaminants in Environmental Geology

### Conveners

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### Brief Introduction of the Session:

A wide range of novel environmental contaminants has been generated and identified, with more types of contaminants emerging with time. These include a broad list of chemical compounds, particulates, and microorganisms in water, air, and soil environments. Examples of emerging contaminants are micro and nanoparticles (e.g., microplastic and microfiber), fluorosurfactant (e.g., PFOS and PFOA), pharmaceutical compounds (e.g., antibiotics, hormones, anti-inflammatory, antidiabetic, and antiepileptic drugs), cyanotoxins, healthcare products, and pathogens and viruses. Considerable amounts of the contaminants have entered the geo-environments, including soil, fractured rock, sediment, and groundwater.

Given the extremely wide variety of contaminants, their environmental impacts, health risks, and regulatory measures are yet to be fully understood and developed. The session aims to provide a forum for researchers to present and discuss the environmental geology aspects of emerging contaminants, including 1) sampling and identification methods, 2) site investigation approaches, 3) containment and remediation solutions, 4) transport and fate modelling, 5) impact and risk assessments, and 6) regulatory issues and other matters.

### IMPORTANT DATES



Abstract for Oral Presentation and  
Poster Submission Deadline

Jun. 30, 2023



Early Bird Registration Deadline

Aug. 10, 2023



Online Registration Deadline

Sept. 21, 2023

### ◆ SUBMISSION ◆

#### • For the full-length submission

The submission system is now open for full-length papers. The deadline for submission of full-length paper has been extended to May 31, 2023. Please read the guidelines for paper submittal prior to submitting your full-length paper.

Please read the guidelines prior to submitting your full-length paper or long abstract at <https://www.iaeg2023.org/cfp.html>

#### • For the abstract submission

The abstract submission system for oral presentations and posters is open! If you would rather prepare an abstract for an oral or poster presentation, rather than submitting a full paper, please submit your abstract for consideration by June 30, 2023.

Please read the guidelines prior to submitting your abstract at <https://www.iaeg2023.org/cfa.html>



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