

ICOBTE & ICHMET 2025

Catalyzing Change for Sustainability and ESG:
Bridging Academia and Industry

22nd - 26th September 2025
BEXCO, Busan, Korea

| ICOBTE & ICHMET 2025 Conference

Event	ICOBTE & ICHMET 2025 Conference
Theme	Catalyzing Change for Sustainability and ESG: Bridging Academia and Industry
Date	September 22 nd - September 26 th , 2025
Country	South Korea
Venue	BEXCO, Busan
Organizer	International Society of Trace Element Biogeochemistry (ISTEB)
Co-organizers	International ESG Association (IESGA) / Korea University ESG Research Institute / Korea Biochar Research Center

This is the joint conference of the 17th International Conference of Biogeochemistry of Trace Elements (ICOBTE) and the 22nd International Conference of Heavy Metals (ICHMET). The two societies have merged and formed the new International Society of Trace Elements in the Environment (ISTEE).

| Important dates

15 th September 2024	15 th September 2024	31 th January 2025	15 th February 2025
Early Bird Registration	Abstract Submission	Registration Deadline	Abstract Submission Deadline



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ichmet2025.org



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● Special Session

Theme	Symposium Title
Trace Elements and Human Health	Pollution Control and Resource Utilization of Heavy Metals-Contaminated Biomass
	Human and Environmental Health Impacts of Heavy Metal Pollution
	Micro(nano)plastics in the Environments
Trace Elements and Soil Management	Novel Approaches for Improving Soil Health and Remediation
	Heavy Metal Pollution: Risk Assessment and Remediation
	Mercury in the Environment
	Agricultural Amendments: Implications for Sustainable Management and Environmental Quality
	Trace Elements in Anaerobic Digestion
	Functionalized Biochar for the Management of Heavy Metal Biogeochemistry: Balancing Trace Elements in the Environmental-Food Chain Continuum
	Phytoremediation of Trace Elements in Soils as a Sustainable Green Tool: Potential, Status, Problems, Solutions and Prospects
Biochar, Heavy Metals and Trace Elements	Functionalized Biochar for the Management of Heavy Metal Biogeochemistry
	Biochar from Biomass and Waste
	Advances in Mercury Biogeochemistry and Trophic Transfer Research in Support of the Minamata Convention
	Successes and Failures in Trace/Heavy Metal Contaminated Land Reclamation

Theme	Symposium Title
Energy and Minerals	Integrating Clean Energy and Waste Valorization: Pathways to Recover Critical Minerals and Metals for Sustainable Development
	Mineral Weathering and Metal(loid) Biogeochemistry: from Agricultural Land to Mining Pollution Management
Machine Learning	Machine Learning Applications in Tackling Trace Elements Challenges
Environmental Chemistry and Trace Elements	Innovative approaches to environmental quality monitoring and management, with special focus on SDGs and priority pollutants
	Impact of Climate Change on Metal Contamination and Remediation in Aquatic Environments
	Optimizing Critical Element Resources and Environmental Health: The Case of the Critical Elements Antimony, Gallium, Germanium, Indium, and Tellurium
	Explore the potential of critical elements in PFAS remediation
	Advanced Nano- and Carbon-based Materials for Efficient Trace Metal Remediation in Environmental Systems (soil, waste and water)
New Technologies and Future Advances in Toxic Elements	Environmental Effects of Trace Elements: Integrating in Silico, in Vitro, High-Throughput, and High-Content Approaches
	Advancing Towards a Sustainable Future: Principles and Technologies for Circular Economy and Real-World Applications

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ICOBTE & ICHMET 2025 Secretariat

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