

2nd International Conference on Microbial Biotechnology in Construction Materials and Geotechnical Engineering

15 – 16 Aug 2024, Singapore

Organised by



NTU CEE Alumni Association

Supported by : ISSMGE Technical Committee TC211 on Ground Improvement
ISSMGE Technical Committee TC217 on Land Reclamation
BioGeotechnics (An International Journal)

This conference is a sequel to the success of the first international conference of this series organised by Southeast University, China. It should have been held in 2023, but was delayed due to COVID. This conference offers an opportunity for experts, researchers and practitioners in both construction materials and geotechnical engineering to meet together to update, discuss and exchange the latest development in the applications of microbial technologies in civil engineering, green buildings, geotechnical engineering and other related areas.

MAIN TOPICS

- Engineered building and construction materials synthesized from bacterially produced polymers and minerals
- Bioinspired and biomimetic materials in civil engineering
- Concrete enhancement, curing, protection, self-healing and repair by use of bacteria
- Bacterially induced corrosion of reinforced concrete
- Utilization of solid waste by aid of microbial technology
- Biogenic functional materials for buildings and constructions
- Surface protection of architectural relics and buildings by use of bacteria
- Bacteria-based leakage protection in geotechnical engineering
- Bacteria induced soil consolidation in geotechnical engineering
- Bacteria-based dust control, heavy metal treatment, etc. in environmental geotechnical engineering.
- Bio-cements
- Biological method for seepage control
- Others

KEY DEADLINES

Abstract Deadline	31 Aug 2023
Abstract Acceptance	30 Sep 2023
Full Paper Submission	31 Dec 2023
<i>Selected papers will be published in BioGeotechnics.</i>	
Conference	15 – 16 Aug 2024

Register your interest here



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