

Sanandam Bordoloi
Assistant Professor
Department of Civil Engineering
Mineral Based Materials and Mechanics
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Artistic and research interests

Sanandam Bordoloi is an Assistant Professor of Geotechnical Engineering at the School of Engineering at Aalto University. He hails from the north-eastern state of India called Assam. He was awarded PhD in Civil Engineering from Indian Institute of Technology (IIT) Guwahati, India. Thereafter, he joined the Hong Kong University of Science and Technology (HKUST; 2024 QS world rank in Civil Engineering: 28) as a postdoctoral research fellow from 2019-2021. He joined the University of Illinois at Urbana Champaign (UIUC; 2024 QS world rank in Civil Engineering: 14) and worked as a post-doctoral research associate from 2022-2023. He has published 90+ SCI indexed journals with an H-index of 28 (Scopus) in the field of geotechnical and geo-environmental engineering.

His major research interests are in the design of hazardous waste containment systems; valorization of industrial waste in geotechnical and geo-environmental engineering; hydromechanical assessment of rooted soil in partially saturated soil; applied clay science; and carbon capture in geotechnical engineering. He holds laboratory expertise and field experience in testing of partially saturated soils, physicochemical investigation clay and biochar-based composites, low carbon cementitious materials and ecological restoration applications. His research experience is predominantly experimental followed by field monitoring and numerical modelling of unsaturated flow.

Employment

Assistant Professor

Assistant Professor
Department of Civil Engineering
Aalto University
1 Oct 2023 → present

Assistant Professor

Assistant Professor
Mineral Based Materials and Mechanics
Aalto University
1 Mar 2024 → present