Special Issue

Principle of Unsaturated Soil Mechanics for Sustainability in Engineering Practice

Message from the Guest Editors

In engineering practice, sustainability is defined by the adaptivity, efficiency and reliability of the design solutions. It is known that most of the soil near the surface of the ground is in an unsaturated condition. The classic saturated soil mechanics are incapable of explaining and describing the engineering behaviours of the soil in unsaturated conditions. The principles of unsaturated soil mechanics have the advantages of solving the practical problems related to the unsaturated soil. The understanding and implementation of the unsaturated soil mechanics is crucial for theoretical and technological developments. All papers related to unsaturated soil mechanics are welcome in this Special Issue.

- Correlation between soil-water characteristic curve and index properties of soil;
- Law of water flow through unsaturated soil;
- Theory of shear strength for the unsaturated soil;
- Theory of soil volume change of unsaturated soil;
- Bearing capacity of foundation in unsaturated zone;
- Retaining wall design in unsaturated zone;
- Stability analysis of unsaturated soil slope.

Guest Editors

Dr. Qian Zhai

Dr. Alfrendo Satyanaga

Dr. Arezoo Rahimi

Dr. Zhong Han

Dr. Yunlong Liu

Deadline for manuscript submissions

31 August 2025

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8

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Sustainability
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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