



Principle of Unsaturated Soil Mechanics for Sustainability in Engineering Practice

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Message from the Guest Editors

Dear Colleagues, 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.





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Message from the Editor-in-Chief

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