

Special Issue

Mechanical Behaviour of Unsaturated Soil

Message from the Guest Editors

This Special Issue presents current and new insights related to the exploration of the micro–macro mechanical behaviours of granular materials. In the domain of soil mechanics and powder technology, the study of granular materials has a pedigree going back to the previous century, where researchers sought to understand and predict how granular materials behave upon various loading conditions. With the rapid development of optical equipment, imaging techniques, and numerical simulation methodology, we have more choices to investigate granular materials and are getting closer to a better understanding of the mechanics. Researchers are encouraged to submit their latest findings and results as full-length articles or reviews. Targeted topics include, but are not limited to, the design and application of new experimental techniques, the experimental characterization of micro–structures and micro–morphologies of geomaterials, the numerical modelling and analysis of fundamental geomaterial behaviours, constitutive modelling of granular materials, data-driven constitutive modelling of granular materials, and machine learning-aided approaches in this field.

Guest Editors

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Deadline for manuscript submissions

closed (30 December 2025)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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