

Special Issue

Investigation of Thermal Properties in Soil and Rock

Message from the Guest Editor

We would like to invite you to contribute a special issue of Applied Science journal that handles investigation of thermal properties in soil and rock. Thermal properties of soil and rock are important issue of increasing interest in different fields of civil engineering, such as geothermal energy, radioactive waste disposal, underground structure, and tunneling. For example, ground thermal conductivity and ground thermal diffusivity can affect the whole capacity of ground source heat pump system in shallow geothermal energy. The thermal conductivity of the compacted bentonite is a key design parameter to evaluate the safety assessment of deep geological repository facility to dispose radioactive waste. The scope of this Special Issue is to gather original fundamental and applied technology concerning experimental, theoretical, numerical studies related with thermal properties of soil and rock. Technical application in the field and review papers are also welcomed. Guest editor

Guest Editor

Dr. Seok Yoon

Korea Atomic Energy Research Institute, Daejeon, Korea

Deadline for manuscript submissions

closed (30 April 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/89047

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)