



Effects of Temperature on Rock and Rock Masses

Guest Editor:

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Message from the Guest Editor

The scope of this Special Issue is to gather original fundamental and applied research concerning experimental, theoretical, computational, and case studies that contribute towards the understanding of temperature effects on rocks and rock masses. The topics include, but are not limited to the following:

Deadline for manuscript
submissions:

closed (31 July 2023)

- New standardized laboratory and in situ techniques and methods to evaluate thermal effects on rocks and rock masses.
- Evaluation of physical and mechanical changes on the properties of rocks and rock masses due to fires or high temperatures at micro and macro scales.
- Influence of the characteristics of heating processes and extinguishment methods on rock properties.
- Case studies showing laboratory or real scale experiences of temperature and fires on rocks and rock masses.
- Restoration and reinforcing methods of rock elements affected by fires or high temperatures.
- Advances in the development of cutting-edge rock excavation and drilling methods based on the application of temperature.
- Development of new physical and numerical models for the understanding and evaluation of the effects of temperature on rocks and rock masses.
- Further related topics.





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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.

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