

## Special Issue

# Recent and Multidisciplinary Developments in Natural Disaster Prevention and Risk Reduction

### Message from the Guest Editors

The uncertainty in the natural environment caused by changes in the atmosphere and oceans due to climate change has been steadily increasing since the 20th century. This uncertainty encompasses geological instabilities such as earthquakes, tsunamis, and volcanic eruptions, posing a global threat to human life with escalating magnitudes and scales of damage. Climate and geological disasters unfold in dimensions that diverge significantly from human expectations and efforts. Addressing these challenges involves not only the utilization of artificial intelligence based on big data but also an interdisciplinary approach that combines natural sciences, humanities, and the complex systems analysis of disaster phenomena. This Special Issue aims to provide a platform for discussion from various perspectives. It seeks to move beyond the mere technical exploration of reducing damage from natural disasters and explore sustainable technologies for disaster reduction through diverse attempts.

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### Guest Editors

Prof. Dr. Sungsu Lee

Prof. Dr. Hee Jung Ham

Prof. Dr. Jae-Seung Hwang

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### Deadline for manuscript submissions

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## Applied Sciences

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## 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.

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### Editor-in-Chief

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