# Special Issue

# High Performance Computing and Artificial Intelligence for Geosciences

## Message from the Guest Editors

The Special Issue is devoted to meeting the increasing demand for research on high-performance computing and artificial intelligence in geosciences. Nowadays, geosciences have become one of the most data-rich fields in terms of quantity and diversity. This Special Issue aims to encourage researchers to study advanced methods of high-performance computing and artificial intelligence to solve problems of geosciences, including, but not limited to, the following sub-disciplines: atmospheric science, ocean science, geography, geology, and geophysics. Topics of interest include, but are not limited to, the following:

- High-performance computing of earth system models;
- Massively parallel computing;
- AI-accelerated numerical weather prediction;
- Solving geoscience problems on supercomputers;
- Knowledge graph construction;
- Data mining in geosciences;
- Image recognition based on deep learning;
- Natural language processing.

## Guest Editors

Dr. Yuzhu Wang

Prof. Dr. Jinrong Jiang

Prof. Dr. Yangang Wang

## Deadline for manuscript submissions

closed (30 April 2023)

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

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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.

## Editor-in-Chief

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

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