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Assessing Natural Hazards through Advanced Machine Learning Methods and Remote Sensing Technology

Guest Editors:

Dr. Paraskevas Tsangaratos

Dr. Wei Chen

Dr. Ioanna Ilia

Dr. Haoyuan Hong

Deadline for manuscript submissions:
closed (10 January 2023)

Message from the Guest Editors

Dear Colleagues,

In recent years, machine learning (ML), which includes algorithms and methods that are based on the concept of fuzzy and neuro-fuzzy logic, decision tree models, artificial neural networks, deep learning and evolutionary algorithms, along with GIS and RS technology, have been proposed as alternative investigation tools for natural risk phenomena, susceptibility and hazardous mapping. This Special Issue aims to provide an outlet for peer-reviewed publications that implement state-of-the-art methods and techniques incorporating RS technology, ML methods and GIS so as to map, monitor, evaluate and assess natural hazards.

Potential topics of interest include, but are not limited to the following areas:

- Monitoring, mapping and assessing earthquakes, landslides, floods, wildfires and soil erosion;
- Evaluating the loss and damages after earthquakes, floods, landslides, wildfires and soil erosion.

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Message from the Editor-in-Chief

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