



## **Flood Risk Assessment Using Deep Learning and State-of-the-Art Machine Learning**

Guest Editors:

**Dr. Binh Thai Pham**

Department of Geotechnical  
Engineering, University of  
Transport Technology, Hanoi  
100000, Vietnam

**Dr. Indra Prakash**

Geological Survey of India, Dy.DG  
(R), Sector-10 A, Gandhingar  
382010, India

Deadline for manuscript  
submissions:

**30 June 2024**

### **Message from the Guest Editors**

Flood is one of the most devastating natural hazards affecting society by damaging properties, disrupting communication, and causing death all around the world. Therefore, prior flood risk assessment of an area is extremely important for the proper planning of flood management to prevent loss of life and property. Researchers have developed and used different approaches, including statistical and machine learning languages, in their models for flood risk assessment. The main aim of the proposed Special Issue is to synthesize the state-of-the-art research findings related to the latest developments and challenges in the field of machine learning techniques in one place for proper flood risk assessment and prediction. High-quality original research papers on flood risk modeling related to flood risk assessment and management that present theoretical frameworks, methodologies, and applications from a single-or cross-country perspective are welcome. Case histories and review articles on this topic are also welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)