



Artificial Intelligence Pathway for Environmental Sustainability: Monitoring, Modeling, and Decision Making

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Message from the Guest Editors

Geo-environmental modeling, an approach for simultaneously managing and learning about natural processes on the landscape scale, has been widely applied for efficient environmental management for several decades. AI technology, such as algorithms, data-mining, and statistical models, can provide vital information about the relationships between natural resources, natural disasters (flood, ground subsidence, landslide, debris flow, wildfire, etc.), geo-environmental factors, and human activities, and thus can support adaptive decision making. AI technology allows for the inclusion of knowledge processing (decision support systems) for sustainable natural resource management.

This Special Issue will benefit natural, environmental, social, and sustainability scientists, engineers, managers, and other stakeholders with an interest in the GIS-based machine learning modeling of natural disasters and environmental planning. This open access Special Issue welcomes high-quality and innovative scientific papers describing cutting-edge research related to the application of artificial intelligence approaches, GIS, and remote sensing techniques in the study of sustainability-related issues.





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