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Machine Learning and Automation in Remote Sensing Applied in Hydrological Processes

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Deadline for manuscript submissions:
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Message from the Guest Editors

The aim of this Special Issue is to provide state-of-the-art knowledge in the field of remote sensing for hydrological processes through the means of machine learning, neural networks, deep learning, artificial intelligence, automation techniques, etc., and promote new approaches and techniques in the field.

This Special Issue addresses (but is not limited to) the following topics:

- Machine learning for hydrological processes;
- Neural networks applied in water-related topics;
- Methodological studies;
- Remote sensing applied in hydrology;
- Automation techniques;
- Tools developed in GIS software (such as ArcGIS, QGIS, Snap, etc.);
- Google Earth Engine;
- Drought analyses;
- Flood risk analyses;
- Automated and semi-automated classifications;
- Artificial intelligence in water studies;
- Water budget analyses;
- Deep learning applications in hydrology;
- Morphometric studies;
- WebGIS platforms for online automation, etc.

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Message from the Editor-in-Chief

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