Special Issue

Machine Learning Methods for Environmental Monitoring

Message from the Guest Editor

Today, environmental monitoring is becoming an increasingly important issue when considering climate and land cover change and its consequences for the environment. Current earth observation satellites provide information with advanced spatial and temporal details that increases the potential of remote sensing to reveal spatial and temporal patterns and trends. In this context, machine learning algorithms have shown to be a powerful method to link remote sensing information to relevant environmental variables by accounting for the complexity and nonlinearity found in nature. This Special Issue aims to advance the application of machine learning algorithms for remote sensing-based environmental monitoring. We welcome methodological contributions in terms of novel machine learning strategies and innovative developments towards the reliability and robustness of the results. We further welcome applied contributions that demonstrate the potential and the challenges of machine learning applied to remote sensing in the context of environmental monitoring.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/40565

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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