Special Issue

Applications of Remote Sensing and Artificial Intelligence in Land Cover Mapping and Ecosystem Monitoring

Message from the Guest Editors

Remote sensing has changed the way we view and study the Earth's surface in a very cost- and time-effective manner. The synergistic application of remote sensing techniques with artificial intelligence (AI) and machine learning (ML) amplifies its effectiveness, allowing for automated and precise analysis of satellite and aerial imagery. This improves the detection of land cover changes, water quality, and other ecosystem changes, as well as the prediction of environmental trends, thus offering invaluable insights for the sustainable management of natural resources and transforming the way we map land cover and evaluate ecosystem health. This Special Issue considers remote sensing techniques in combination with AI and machine learning in detecting and monitoring landcover and land use changes, as well as ecosystem dynamics, especially in the context of climate change and anthropogenic activities.

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Editor-in-Chief

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