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Advanced Machine Learning Approaches for Hyperspectral Data Analysis

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Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

In this Special Issue, we welcome methodological contributions in terms of novel machine learning algorithms as well as the application of innovative techniques to relevant scenarios from hyperspectral data. We invite you to submit the most recent advancements in the following, and related, topics:

- Spectral data pre-processing
- Feature extraction and selection from high-dimensional data
- Machine learning and data mining methodologies for hyperspectral data analysis
- Deep, transfer, manifold, metric, and active learning
- Large-scale hyperspectral data analysis
- Methods for image segmentation and classification, change and target detection, multi-temporal analysis, hyperspectral unmixing
- Real-time processing
- Multi-modal data fusion between hyperspectral imagery with other data sources
- Advanced techniques for characterization of natural ecosystems, coastal systems, agricultural, or urban areas

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Message from the Editorial Board

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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