Special Issue

Proximal/Remote Sensing Coupled with Chemometrics in Vegetation and Soil Sciences

Message from the Guest Editors

With the development of large spectral libraries, we need to seize more possibilities to utilize big data analytics to process the spectral data. More advanced machine learning methods might be a solution that supports more sophisticated modeling and permits the easy use of large amounts of computational resources for training such models. The proximal/remote sensing data coupled with chemometrics offer tremendous but not fully exploited opportunities to monitor and map vegetation and soil variables across various disciplines and on vast spatial scales. This Special Issue aims i) to report the up-to-date advancements and trends regarding the combination of chemometrics and proximal/remote sensing information by data fusion techniques and ii) to advance the application of chemometrics techniques for proximal/remote sensing-based vegetation and soil monitoring. We welcome **contributions** in terms of chemometrics methods, including but not limited to novel machine learning and deep learning technique application, potential, and challenges in proximal/remote sensing of vegetation and soil.

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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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