Special Issue

Imaging Spectroscopy of Forest Ecosystems

Message from the Guest Editor

Hyperspectral remote sensing, also known as imaging spectroscopy, has been available since the 1980s and is still an expanding and vibrant field of study. Nowadays, the wavelength range of hyperspectral sensors has been extended into the thermal infrared, opening the pathway to numerous novel research questions.

Despite all that, studies about using Imaging Spectroscopy to better understand Forest Ecosystems are still scarce. This Special Issue therefore aims at collecting high-quality papers on applications of hyperspectral remote sensing for forest research. Studies about species distribution, forest health, growth conditions, photosynthesis, fluorescence, forest structure, and similar topics are welcome, as well as studies on sensor fusion and synergies between imaging spectroscopy and other techniques like Lidar, Radar, or multispectral imaging. Methodological papers on hyperspectral data-processing techniques like machine learning, deep learning, unmixing, feature reduction, and others are welcome if they have a clear application in forest science. Review papers, technical notes, and research contributions are suitable.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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