Special Issue

Urban Ecophysiology: A Remote Sensing Perspective

Message from the Guest Editors

While plants are an integral part of most nature-based solutions to environmental and societal challenges, studies in eco-physiological functions are limited to individual plants. As remotely sensed images at both high spatial and temporal resolutions are available, there is a chance to scale up our understanding from leaf to individual plants and to the landscape level. Thus, in this Special Issue, we seek contributions leveraging remote sensing and/or other types of datasets and techniques that can help elucidate changes in the plant eco-physiological functions associated with various environmental alterations in cities. These topics can include, but are not limited to:

- Urban green space and its function;
- Urban plant phenology and productivity;
- Light pollution/impacts on vegetation;
- Urban extreme climates such as drought and heat waves on plants;
- Plant evapotranspiration;
- Plant diversity and invasive species in cities;
- The relationship between building environment and vegetation structure;
- Carbon, nutrient, and water fluxes using eddy covariance and remote sensing;
- Airborne/satellite solar-induced fluorescence for characterizing urban vegetation.

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Deadline for manuscript submissions

closed (30 June 2023)

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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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