### 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.

#### **Guest Editors**

Dr. Peng Fu

School of Plant, Environmental and Soil Sciences, Louisiana State University, Baton Rouge, LA, USA

Dr. Xiaonan Tai

New Jersey Institute of Technology, Newark, NJ 07102, USA

Prof. Dr. Xiang Zhang

National Engineering Research Center of Geographic Information System, School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan 430070, China

#### Deadline for manuscript submissions

closed (30 June 2023)



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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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#### About the Journal

#### 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 peerreview 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

#### Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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