



Estimating the Ecological Services of Urban Green Infrastructures Using Remote Sensing

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to showcase studies exploring various aspects of using remote sensing to better understand the contribution of green infrastructures to urban sustainability and to estimate their ecological service capacity. Urban green infrastructures (UGIs) are defined as urban green ecosystems that include vegetation, soil, and built elements and can range from a single tree in the street to an urban forest. Contributions utilizing all remote sensing platforms (e.g., satellites, planes, and drones) and sensors (e.g., spectral, thermal, and LiDAR) are welcome. Articles may address, but are not limited to, the following topics in combination with remote sensing and UGIs:

- Preprocessing remote sensing imagery for the study of UGI, e.g., classification and downscaling;
- Carbon cycle of UGIs;
- UGIs evapotranspiration and urban heat island effect;
- Shading of UGI and walkability;
- UGI planning and management to increase urban sustainability;
- Biodiversity of UGIs and its impact on their ecological services;
- LULC change in vegetation and its impact on urban sustainability.





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Message from the Editor-in-Chief

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