Special Issue

Estimating the Ecological Services of Urban Green Infrastructures Using Remote Sensing

Message from the Guest Editors

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.

Guest Editors

Dr. Oz Kira

The Environmental Sensing Laboratory, Department of Civil and Environmental Engineering, Ben-Gurion University of the Negev, Beer-Sheva 8410501, Israel

Prof. Dr. Arnon Karnieli

The Remote Sensing Laboratory, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede Boker 8499000, Israel

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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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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

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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