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Remote Sensing of Urban Forests

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closed (22 June 2019)

Message from the Guest Editor

Dear Colleagues,

Through the provision of ecosystem services (ESS), urban forests and green infrastructures provide multiple benefits for urban dwellers making cities more resilient to climate change by enhancing, for example, the degree of shading, evaporative cooling, rainwater interception and storage and filtration functions. To date, most of the available studies have considered one or more ESS provided by specific urban forest areas in cities and proposed remote sensing methods to quantify the amount of services in relation to their beneficiaries (i.e., citizens). Recent studies have attempted to assess the ESS provided by urban green spaces through the integration of social data with remotely sensed data, such as high- resolution satellite images and Laser Imaging Detection and Ranging (LiDAR) point-cloud. Given the mounting availability of satellite images from different sensors, there is a need to develop new research focusing on remote sensing applications for monitoring and assessing urban forest areas and associated ESS.

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Guest Editor

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