



Remote Sensing Information and Sustainable Urban Ecology

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Message from the Guest Editors

Today, our cities house more than 50% of the global population and are responsible for 70% of global energy consumption and 80% of global CO₂ emissions. Therefore, cities face major challenges and various environmental, societal, and economic problems that must be addressed in order to keep pace with the increasing sustainability requirements. Remote sensing information plays a significant role in developing advanced analytics solutions for sustainable urban ecology. Since advances in remote sensing technologies, cities have generated a huge number of data that offer richer services for citizens. Currently, a myriad of remote sensing sensors are deployed in cities throughout the world, generating various types of remote sensing information, such as optical data, multispectral data, hyperspectral data, lidar data, SAR data, etc. This Special Issue aims to survey state-of-the-art methods, technologies, and systems in remote sensing information, as well as algorithms and methods for the extraction of information from data by AI, computational, and statistical approaches.





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