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Application of Remote Sensing for Sustainable Development of Urban and Rural Areas

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Message from the Guest Editors

Urbanization has been an irreversible and accelerating process over the last several decades, and is highly associated with population growth, air pollution, profound changes in landscape patterns and processes, higher temperatures in urban areas than in rural areas, etc. From many perspectives, such anthropic activities give rise to differences between urban and rural areas. Urban and rural areas have attracted many researchers to study their potential sustainable development, including ecological, cultural, political, institutional, social and economic components, among others.

However, sustainable development should be addressed in detail in the context of its theoretical concepts and practical application. Due to large-scale and dynamic observation characteristics, remote sensing technology has been an indispensable tool for the environmental monitoring of sustainable development. New urban and rural sustainable development strategies have to be elaborated and ecologically friendly to improve landscape design and infrastructure planning with a more comprehensive design, leading to a more enjoyable living environment and higher quality of life.

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Message from the Editor-in-Chief

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