



Spatial Analysis and Land Use Planning for Sustainable Ecosystem

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Message from the Guest Editors

Dear Colleagues,

The sustainability of an ecosystem is a key prerequisite for human survival and development. With the development of science and technology, the ability of human beings to transform the ecosystem is becoming stronger than ever, and the relationship between human beings and ecosystems has entered a new epoch. Human beings have conducted various disturbances and transformations on the ecosystem for various purposes, e.g., to obtain the necessary survival resources, develop the economy, develop industrialization and urbanization, improve the living environment, etc. The involved topics include (but are not be limited to) the following:

Terrestrial ecosystems and the net primary productivity of vegetation;

Land surface/vegetation phenology dynamic monitoring;

The impact of changing human activities on ecological ecosystems;

Land use/cover information extracting based on remote sensing;

Machine/deep learning algorithm for remote sensing applications;

Land degradation and rehabilitation based on intelligent geo-computing;

The cumulative impacts of human pressures on the land environment.





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