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# Application of Remote Sensing in Vegetation Dynamic and Ecology

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## Message from the Guest Editors

Vegetation is a crucial part of most terrestrial ecosystems, under the impacts of global warming, vegetation is exhibiting clear and diverse responses, such as greening and browning, which have been reported by many remote sensing studies.

The recent development of satellite remote sensing and its derived products provide excellent opportunities to study vegetation dynamics and their relationships to regional and global climate systems. Moreover, cloud computing (Google Earth Engine) combined with machine learning algorithms has become the most advanced tool for studying vegetation changes.

Potential topics include but are not limited to:

Vegetation changes from various remote sensing data sources;
Response of vegetation to climate change;
Ecological effect of vegetation change;
Response of vegetation to human activity;
Relationship of vegetation change to climate.

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