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Quantitative Remote Sensing of Vegetation and Its Applications

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Message from the Guest Editors

Dear Colleagues,

Quantitative remote sensing of vegetation can provide spatially and temporally continuous monitoring of Earth's system parameter data and deliver invaluable insights into diverse fields such as agriculture, forestry, and environment. Potential topics for this Special Issue may include, but are not limited to, the following:

- Satellite-based vegetation monitoring, estimation, and modeling: techniques (artificial intelligence, multi-sensor data fusion, etc.), evaluation, and future missions;
- Applications of new sensors/algorithms to biochemical/biophysical parameters, such as FVC, LAI, vegetation productivity, biomass, pigments;
- Novel data fusion of spectral, LiDAR, or Radar data obtained from different platforms;
- New product development or evaluation of uncertainty in current products;
- Vegetation degradation and structure variation monitoring using remote sensing;
- Evaluations of ecosystem vulnerability and resilience to climate change;
- Remote sensing applications in global environmental issues;
- Remote sensing applications in efforts to mitigate climate change, such as nature-based climate solutions.

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Message from the Editorial Board

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