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# Advancing Land Surface Phenological Analysis with High Spatial Resolution Imagery

Guest Editors:

**Dr. Chunyuan Diao**

**Dr. Xiaoyang Zhang**

**Dr. Liang Liang**

**Dr. Rasmus Houborg**

Deadline for manuscript submissions:
**closed (30 September 2022)**

## Message from the Guest Editors

Dear Colleagues,

Land surface phenology (LSP) plays a crucial role in characterizing ecosystem structures and functions, and is an integrative indicator of terrestrial ecosystems in response to climatic and anthropogenic changes. LSP regulates terrestrial gross primary productivity, water-energy-carbon fluxes, and ecological processes, as well as providing critical information for detecting vegetation types and land cover/land use changes. Time series of earth observation data from coarse resolution sensors set the stage for LSP operational monitoring at regional to global scales. The near-surface remote sensing has gained increasing popularity with its potential to connect satellite- and ground-based phenological measures, as well as to conduct more comprehensive phenological validation. The unprecedented wealth of information provided by higher temporal frequency, improved spatial resolution, and sheer data volume calls for innovative data analysis algorithms and monitoring strategies.

Dr. Chunyuan Diao
Dr. Xiaoyang Zhang
Dr. Liang Liang
Dr. Rasmus Houborg
*Guest Editors*

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## Message from the Editor-in-Chief

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