

## Special Issue

# Applications of Remote Sensing in Land–Atmosphere Interactions

### Message from the Guest Editor

New sensors and new applications are combining with advanced techniques to transform our understanding of land–atmosphere interactions. The abundance of data and new machine learning tools are transforming our understanding of coupled processes at a rapid scale. At the same time, the land surface is changing more rapidly than ever before, posing new challenges in capturing and explaining the impacts of a changing land surface on atmospheric processes.

This Special Issue is intended for the presentation of new ideas and applied results driven by remote sensing on all scales. Of particular interest are applications using newer imagery sources such as PlanetScope, ECOSTRESS, and similar sources. Research on a variety of topics including urban heat islands, agriculture, hydrologic changes, forest cover, and the changing Arctic are all welcome.

### Keywords

land–atmosphere interactions; hydroclimatology; water cycling; drought; machine learning and hydrology; remote sensing; coupling strength

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 November 2023)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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