

## Special Issue

# Advances in Terrestrial Remote Sensing of Arctic Environments

### Message from the Guest Editors

The Arctic is experiencing warming at a rate two to three times that of the global average. As a result, there is strong evidence of environmental change occurring in the High Arctic that can be attributed to this warming. Such changes might occur, for example, in vegetation composition, productivity, nutrient cycling, and ecosystem functioning. The Arctic is also extremely remote and inaccessible. Hence, remote sensing provides a very effective method of examining Arctic environments across scales and for large areas.

Advances in remote sensing, such as multi-resolution and multi-source data from UAV to LiDAR to satellite, machine/deep-learning algorithms, and extended time series data are providing new approaches to studying the Arctic environment. This Special Issue is intended to provide a forum for researchers (i) conducting remote sensing to assess Arctic vegetation at local, landscape, and regional scales; (ii) analyzing biogeophysical processes impacting vegetation greening and browning (productivity, permafrost degradation, snow cover and properties, moisture regime, etc.); and (iii) modelling vegetation dynamics under various climate change scenarios.

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 June 2022)



## Remote Sensing

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### Message from the Editorial Board

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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