Special Issue

Application of Remote Sensing in Arctic Ecosystem Monitoring

Message from the Guest Editors

Arctic ecosystems play an exceptionally important role in regulating the global climate and supporting global biodiversity, and are highly responsive to climate variations, yet they are located in a region unusually remote from global infrastructure, which is physically challenging to reach and to work in, and is, at the same time, experiencing climate change at a greatly accelerated rate compared to the global average. Arctic ecosystems range from marine/sea ice and coastal ecosystems to polar desert, tundra and boreal forest ecosystems, and include high-latitude freshwater ecosystems. All are particularly well suited to study using remote sensing methods, from satellites, conventional aircraft, and uncrewed UAV systems. This Special Issue aims to bring together recent research using and developing new remote sensing tools for the study of terrestrial and marine Arctic ecosystems. Applications could include, but are not limited to, the monitoring of ice and snow, marine and coastal ecosystems, vegetation cover and dynamics, permafrost, Arctic wildlife, hydrology, meteorology, and atmospheric studies.

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Message from the Editor-in-Chief

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 peerreview 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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