Special Issue

Unmanned Aerial Vehicle Applications in Cryospheric Sciences

Message from the Guest Editors

The large diffusion, in civilian uses, of Unmanned Aerial Vehicles (UAVs), also known as drones, represent the latest revolution in the survey of the earth and new opportunities in high-resolution mapping. From a technological point of view, UAVs may have different configurations with different designs, settings, payloads, and sensors. UAVs constitute a cheap source of high-resolution aerial images, which, processed with photogrammetric methods, allow one to produce digital surface models and orthophotos. Thus, UAVs provide incredible opportunities for developing geophysical applications and improving our knowledge of phenomena under investigation. We focus on UAVs applications in cryospheric sciences, related to the following:

- The assessment of snow and ice dynamics;
- The investigation of glacier changes and modifications in terms of both mass and shape;
- The development of new UAV settings for reducing the number GCPs in field campaigns;
- The comparison between surveys operated with UAVs and other sensors and instruments available in the literature.

Guest Editors

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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 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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