Special Issue

Synergy of Optical and Radar Remote Sensing for Environmental Monitoring

Message from the Guest Editor

The remote sensing community has mainly used optical and, more recently, radar satellite images, as they offer a large range of spatial, spectral, radiometric, and temporal resolutions which are useful for environmental research, focused, for example, on deforestation, land use characterization, ice melting, water management, etc. The synergy of optical and radar remote sensing images for environmental monitoring appears very promising, as they provide different information of the surface (e.g., biophysics variables for optical data and polarimetric variables for SAR data). Nevertheless, and irrespective of the remote sensing community's research, relatively few studies have combined optical and radar data for environmental purposes.
In this context, this Special Issue presents several studies which evaluate the synergy of radar and optical data for environmental monitoring. It provides, through different applications, indicators and knowledge for a better understanding of the potentialities, limitations, and perspectives of this specific domain of remote sensing for environmental purposes.

Guest Editor

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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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