



Synergy of Optical and Radar Remote Sensing for Environmental Monitoring

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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.

