



Hyperspectral Imaging for Fine to Medium Scale Applications in Environmental Sciences

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closed (31 October 2019)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to focus on all applications of remote and proximal hyperspectral imaging at very fine (microscopic) to medium scales. This includes lab and out-of-lab studies; the latter ranging from on-ground to near-ground observations up to typical flight heights of UAVs (usually about 50 m). Researchers from all disciplines in the environmental and earth sciences using hyperspectral imaging in their research are welcome, including e.g. vegetation and soil science, water spectroscopy (inland, ocean and coastal waters), geology, mineralogy and sedimentology, agriculture, crop science, precision farming, biology and biodiversity, climate change, geoarchaeology, palaeoenvironmental sciences and related fields.

Contributions may cover new applications making specific use of image data, but also instrumental settings, sensor integration in multi-sensor approaches, spectral databases, processing workflows, product validation, statistical and computational methods for image analysis, data mining and machine learning methods, etc.

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