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Hyperspectral Remote Sensing of the Earth

Guest Editor:

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editor

Hyperspectral remote sensing (HRS), or imaging spectroscopy (IS), has become a very popular technology since NASA's first HRS sensor (AIS) in 1983 proved its remarkable capability to distinguish between several minerals from airborne domains. The aim of this Special Issue is to gather all types of papers dealing with HRS technology dedicated to Earth sensing from any distance, platform, or spectral region, while covering new, original, and innovative topics. Topics include, but are not limited to, the following:

- Orbital HRS sensors
- Performance of ground HRS sensors
- Atmosphere applications, including new techniques for atmospheric correction
- Soil spectral analyses and spatial mapping
- Vegetation and forest applications: phenology and chemical monitoring
- Raw material mapping based on spectral information
- Use of spectral libraries to refine HRS data
- UAV platforms and sensors
- HRS data simulation
- Novel sensing materials and principles
- Inland water monitoring
- Applications for sustainable agriculture: indoor and outdoor sensors
- Longwave and midwave infrared HRS sensors and applications
- CubeSat and HRS sensors

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Message from the Editor-in-Chief

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