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Monitoring Crops and Rangelands Using Remote Sensing

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Deadline for manuscript submissions:
closed (10 April 2023)

Message from the Guest Editors

Remote sensing has emerged as an invaluable resource and technology for supporting agricultural decisions. Imagery captured by sensors mounted on satellites, aircraft, and unmanned aerial vehicles (UAVs) is routinely used by governments, agribusinesses, and producers to monitor crops and rangelands. Remote sensing derived data has become part of the day-to-day operations of many farmers and consultants. This special edition aims to explore and expose the latest innovations in remote sensing for agricultural applications, with a strong emphasis on how they can be operationalized to support agricultural decision making.

Some initial themes:

- The value of RS in crop and rangeland management.
- Crop water and/or nutrition status quantification and monitoring.
- Monitoring irrigated fields and quantifying the volume of irrigation applied.
- Grazing management (e.g., monitoring the carrying capacity, overgrazing, status, and degradation).
- Monitoring salt accumulation and waterlogging in irrigated fields.
- The integration (fusion) and comparison of different data sources/types, platforms and spatial, spectral, and temporal resolutions for crop and rangeland monitoring.

mdpi.com/si/91372

Special Issue

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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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Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

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