

Special Issue

Recent Advances in Synthetic Aperture Radar (SAR) Remote Sensing for Agricultural Applications

Message from the Guest Editors

Dear colleagues, Engineering advancements with respect to the breadth of SAR satellite capabilities, an increase in the number of SAR missions, and more open data policies, are shifting the role SARs are playing in agriculture applications. These advancements come at a time when researchers are developing novel methods which use SAR technology to quantify agricultural productivity, as well as the health of our soils and crops. This Special Issue is soliciting research papers that document novel and innovative methodologies to use SAR technologies for monitoring croplands including soil health characteristics, conservation land management practices, crop type, irrigation, and biophysical measures of crop productivity and growth. Researchers are encouraged to submit papers that exploit advanced SAR technologies including full and compact polarimetry, multi-frequency SAR integration, interferometry SAR, and coherent change detection. In addition, we welcome manuscripts that focus on scaling the application readiness level of SAR-driven decision support tools and the use of SAR in sustainability metrics.

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Deadline for manuscript submissions

closed (15 November 2020)



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