Special Issue

Improving Remote Sensing Crop Mapping and Yield Estimation by New Techniques

Message from the Guest Editors

Remote sensing plays two main roles in supporting global food security. First, remote sensing-based crop mapping and classification can quickly determine the spatial distribution of different crops, providing strong support for field crop management. Second, remote sensing technology enables the rapid and accurate estimation of crop yield, laying the foundation for government macro-level decision-making. The recent continuous launch of multiple high-resolution satellites has further enhanced the capability of classifying crops and estimating yield using remote sensing technology. Fortunately, recent breakthroughs in artificial intelligence (AI) have also provided new opportunities to address the challenges of crop mapping and yield estimation. Therefore, this Special Issue is dedicated to outlining new technologies and methods for crop classification/mapping and yield estimation. We welcome the submission of research that applies new technologies and methods (including, but not limited to, AI) to the fields of crop mapping and yield estimation. Additionally, we also welcome work that applies new technologies and methods to land cover/land use mapping.

Guest Editors

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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.

Editor-in-Chief

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