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Accuracy and Quality Control of Remote Sensing Data

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Deadline for manuscript submissions:
closed (15 April 2023)

Message from the Guest Editors

Dear Colleagues,

With increasing Earth observation sensors and platforms, reliable compliance information of quantitative remote sensing products is a prerequisite for future synergetic usages of remotely sensed data. Surface reflectance retrieved from remote sensing data is frequently contaminated by noise from atmospheric corrections to convert the top of atmospheric reflectance to surface reflectance, effects of cloud contamination, as well as using insufficient multiangular measurements in BRDF modeling. Additionally, the uncertainty of the reference should ideally be smaller than that of the candidate item, and their combined uncertainty should be lower than the width of the interval defining allowable variations.

This Special Issue aims (i) to report the up-to-date advancements and trends regarding the remote sensing data uncertainty measurements (ii) to report the quality and validation approaches for quantitative earth observation products over the land and water, and (iii) to communicate new sensors, methods, and algorithms for improving and validating the quality of remotely sensed data.

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Message from the Editorial Board

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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