Special Issue

Remote Sensing for Soil Organic Carbon Mapping and Monitoring

Message from the Guest Editors

Recently, the availability and quality of optical satellite remote sensing data have dramatically changed the paradigm for soil mapping and monitoring. Remote sensing of soil organic carbon (SOC) becomes feasible in a coherent manner from regional to global scales. The change of SOC over time is an important indicator of CO2 sequestration in soils and is often cited as a natural climate solution (NCS). A new generation of space-based hyperspectral missions is under implementation, giving rise to an additional advancement to the already promising results obtained using the Sentinel-2 multispectral instrument.

Promising results based on spaceborne sensors have been obtained by merging two types of techniques in order to map SOC from both permanently vegetated areas and exposed soils. We welcome original manuscripts on the use of optical and thermal multi- or hyperspectral imagery for SOC mapping, as well as on the challenges involved in producing coherent SOC maps.

Guest Editors

Prof. Dr. Bas van Wesemael

Prof. Dr. Sabine Chabrillat

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Dr. Michael Berger

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Deadline for manuscript submissions

closed (31 December 2022)

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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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