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Topsoil Characterization by Means of Remote Sensing

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Message from the Guest Editors

Soil resources of the Earth are vital for preserving life on this planet due to their unique ecosystem services. Soils are now threatened, as evidenced in the fact that in recent years, the Technosphere (i.e., all material production generated by human activities) has begun to exceed the Biosphere at an accelerated rate, both in weight and diversity. Operational sensors can now provide valuable information about the properties and the state of the uppermost layer of the soil, which is called “topsoil”. This layer, ranging from 5 to 30 cm, is usually the first affected by threats such as organic matter decline, erosion, compaction, salinization, contamination, sealing, landslides, or land subsidence. Additionally, climate change can have serious effects on the water and energy budgets of the topsoil affecting the Earth Critical Zone.

This Special Issue invites you to highlight significant achievements so far, as well as the challenges and limits of current remote sensing technologies to provide useful information on topsoil.

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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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