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Remote Sensing for Advancing Nature-Based Climate Solutions

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Deadline for manuscript submissions:
closed (15 December 2023)

Message from the Guest Editors

Dear Colleagues,

As one of the world's most urgent missions, the goal of carbon neutrality has been pledged by nations, public organizations, and private sectors in efforts to reduce greenhouse gas (GHG, e.g., CO_2, CH_4, and N_2O) emissions and increase carbon sequestration. Nature-based climate solutions target managing, conserving, or restoring natural or agricultural ecosystems, and can bring significant benefits for the removal of carbon from the atmosphere as well as improving ecosystem resilience. These solutions include reforestation, soil conservation, sustainable agriculture management, wetland restoration, and resource optimization.

With recent advances in remote sensing and big data analytics, a variety of sensing data from spaceborne, unmanned/manned airborne, and proximal sensors have been utilized to enhance our capabilities for ecosystem monitoring. These state-of-the-art remote sensing technologies provide great opportunities for advancing our understanding of GHG emissions, carbon sequestration and fluxes, and anthropogenic influences in natural and agricultural ecosystems across scales from single plants, landscapes, and regions to the entire globe.

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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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