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Understanding Biosphere-Atmosphere Interactions with Remote Sensing

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Deadline for manuscript submissions:
closed (30 September 2022)

Message from the Guest Editors

Remote sensing observations are critical to elucidate the fundamental physical, chemical, and biological processes needed to quantify biosphere–atmospheric interactions from local to global scales. Significant progress in the development and advances in remote sensing techniques, such as, light detection and ranging (LiDAR), thermal infrared (TIR), multispectral, hyperspectral and solar-induced chlorophyll fluorescence (SIF) sensors capable of unprecedented spectral and spatiotemporal resolution, offer new insights into the quantitative remote sensing of the biosphere. We invite manuscripts from original research that synthesizes and advances our understanding of the energy, water, carbon, and trace gas exchange processes, drivers, coupling, interactions, teleconnections, and feedbacks in the biosphere-atmosphere interface across all spatial and temporal scales. Contributions dealing with remote sensing technologies and applications of passive or active sensors onboard any platforms including ground/airborne/UAV/satellite or its combinations with modeling efforts or reanalysis are welcome.

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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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