



Understanding Biosphere-Atmosphere Interactions with Remote Sensing

Guest Editors:

Dr. Praveena Krishnan

NOAA ARL Atmospheric
Turbulence and Diffusion
Division, Oak Ridge, TN 37830,
USA

Dr. Shusen Wang

Canada Centre for Remote
Sensing, Natural Resources
Canada, Ottawa, ON K1A 0E4,
Canada

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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

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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
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