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Environmental Optical Detection

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Message from the Guest Editors

Dear Colleagues,

Environmental optics detection mainly reports the latest progress and achievements in basic and applied fundamental research in the field of atmospheric optics and environmental optics. This Special Issue focuses on atmospheric optics, environmental optics and environmental spectroscopy, and remote sensing. Many researchers have carried out environmental optics detection based mainly on the differential optical absorption spectroscopy (DOAS) technique, Fourier transform infrared spectroscopy (FTIR) technique, tunable semiconductor laser spectroscopy (TDLAS) technique, laser-induced fluorescence spectroscopy (LIF) technique, and laser radar (LIDAR) technique and developed unique hardware and software instruments. The topics of this Special Issue include but are not limited to novel and advanced optical systems, novel environmental monitoring techniques, information processing methods, and interesting applications of optical and spectral monitoring of trace gases.