



Diurnal to Decadal Observation of the Ocean with Geostationary Satellite Sensors

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Message from the Guest Editors

The next Korean geostationary ocean color sensor (GOCI-II) with more bands (13 bands from UV to NIR) and higher spatial resolution (250 m at nadir) launched in February 2020. GOCI-II will continue to provide short-term to decadal monitoring in the marine ecosystems of the marginal seas of the Northwestern Pacific Ocean. Moreover, recent advancements in meteorological imagers, such as Advance Himawari Imager onboard the Himawary-8 and -9 satellites and Advanced Meteorological Imager onboard Geo-KOMSAT-2A, provide three visible bands in addition to infrared bands, which will open new opportunities to study fast varying processes in coastal and in-land waters.

We encourage authors to contribute papers on all ocean color applications with GOCI and other geostationary satellite sensors, including diurnal to decadal variabilities in water quality, phytoplankton productivity, biological/biogeochemical properties, and fisheries in the marine and coastal ecosystem. We also welcome papers on all relevant subjects, such as sensor calibration, atmospheric correction, validation/evaluation of the oceanic color products, and development of optical/biogeochemical algorithms.





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