



## Earth Observation Technology Applied to Coral Reefs

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Deadline for manuscript  
submissions:  
**closed (31 August 2019)**

### Message from the Guest Editor

Papers in this Special Issue will move on from the starting point of reef mapping and focus on the use of time series or specific field and image data and processing models to estimate and understand biological and physical processes acting on coral and biogenic reefs. This will include applications from a range of sensors and scales, spectrometry and fluorometry in laboratory and field; hydro-optical measurements; multi- and hyper-spectral imaging. Papers on Earth-Observation-derived Essential Ocean Variables are also encouraged. These may cover a range of environmental variables, including photosynthetic efficiency and concentrations of pigments in corals and algae; benthic community types; primary production, concentrations of organic in inorganic material in coral reef waters, along with bathymetry, hydrodynamics and geomorphic zones. Selected papers will cover integration of variables across scales, as these are essential to enable larger scale measurement and monitoring of processes on coral reefs and their surrounding environments. Papers that cover the use of Earth Observation technology in supporting management decisions on coral reefs are also encouraged.





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