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Sentinel-3 Satellites: A Three-Sensor Mission to Observe the Physical, Bio-Optical and Biogeochemical Properties of Marine/Water Bodies

Guest Editors:

Dr. Stefano Vignudelli

Dr. Jorge Vazquez

Dr. Emmanuel Devred

Dr. Cédric Jamet

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Deadline for manuscript submissions:
closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

The Sentinel-3 satellite, as part of the European Copernicus program, is primarily an ocean mission. Sentinel-3A and the twin Sentinel-3B satellites carry three main sensors, specifically an SAR radar altimeter, SST radiometer and ocean colour imager. In this Special Issue we invite contributions highlighting how Sentinel-3 data are improved (technologies, algorithms, etc.) and used (also in combination/synergy with in situ and other satellite missions and/or modelling tools) to contribute to the study/research/monitoring (also operationally) of the ocean from the global to the coastal scale. Of particular interest are also studies addressing synergies between the three Sentinel-3 sensors. Comparative studies made possible by the Sentinel-3A/B tandem phase are also encouraged. Work that seeks to build on the previous records of SST, Ocean Color, and altimetry are also encouraged (especially with ENVISAT). This includes improvements in quality and consistency with applications to interannual and climate scale variability.

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mdpi.com/si/23334

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Message from the Editorial Board

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