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Bio-Optical Oceanic Remote Sensing

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Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editors

Optical remote sensing of ocean has made significant advancements in recent years with the emergence of new sensors and platforms. However, algorithms that utilize the new remotely sensed data, and provide ocean color-derived products for scientific, regulatory, and commercial uses need to be continuously calibrated and validated with commensurate in situ bio-optical datasets. In situ bio-optical data sets that cover multiple spatial and temporal scales are critical for reliable global extrapolations.

Consequently, we encourage the submission of manuscripts focusing on the development and validation of new bio-optical remote sensing algorithms for oceanic and coastal waters. Authors are encouraged to submit articles concerning, but not limited to, the following topics:

- In situ validation of ocean color products
- Vicarious validation of ocean color sensors
- Hyperspectral remote sensing algorithm development
- Ocean color products related to:
  Harmful algal bloom (HAB) detection and tracking
  Phytoplankton functional types (PFT)
  Higher trophic levels
  Optical water mass classification
  Biogeochemical cycles
- New and future applications of remote sensing ocean color sensors

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Special Issue

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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