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Application of Ocean Colour Remote Sensing in Turbidity Monitoring

Guest Editors:

Prof. Dr. Yuanzhi Zhang

Prof. Dr. Lin Li

Prof. Dr. Shuanggen Jin

Prof. Dr. Zhongfeng Qiu

Deadline for manuscript
submissions:

closed (31 October 2022)

Message from the Guest Editors

Ocean colour remote sensing includes the mapping of surface temperature and chlorophyll-a, deriving the inherent optical properties (IOPs) of in-water constituents, and establishing relationships between the IOPs and apparent optical properties (AOPs). It has a wide range of applications in studying phytoplankton, detrital and sediment particles, turbidity, and other properties of oceanic, coastal, and inland water ecosystems.

To date, the application of ocean colour remote sensing in turbidity monitoring still faces challenges with in the determination of water components. This Special Issue on “Application of ocean colour remote sensing in turbidity monitoring” invites original research and review articles that focus on the monitoring and mapping of turbidity and the quantification of suspended solids concentration with remote sensing. The suggested topics are those relevant but not limited to the study of turbidity monitoring; data modelling; new algorithms; and the biogeochemical change of inland waters, river estuaries or across estuary–coastal water boundaries.



mdpi.com/si/106975

Special Issue



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Dr. Jean-Luc PROBST

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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