



## Prediction of Ocean Circulation and Its Variability – Expanding the Horizons

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### Message from the Guest Editor

Progress in ocean modeling, remote sensing, and development of new computers has made it possible to develop real-time simulation systems for the prediction of both large-scale general ocean circulation and regional mesoscale and submesoscale ocean phenomena or “ocean weather”. The reliability of such systems strongly depends on model validation, calibration of model parameters, and on the utilization of all kinds of available observations data. Assimilation of such data substantially helps to improve prediction skills.

In turn, different types of remote sensing data could require special processing to be turned to unbiased data easily utilized by ocean modelers.

These and other issues related to ocean modeling with remotely sensed data assimilation, data and modeling results processing and analysis methods, etc. could be a topics of invited papers. Development and applications of “ocean weather” prediction systems are in scope of interest as well."

We welcome all researchers working on related topics to discuss problems you face and share results you have achieved in *Remote Sensing*, an Open Access Journal.





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