

Special Issue

Marine Biogeochemical Modeling

Message from the Guest Editors

Marine biogeochemistry studies the interactions of physical, chemical, biological, and geological variables and processes that take place in the water body and sediments underneath. The complexity of such interactions, including their simultaneous occurrence on multiple scales, requires the implementation of a system approach involving mathematical modelling as its major tool. Depending on the objectives, the useful models can be analytical or numerical and be used for the exploration of new interactions or the simulation of specific sites and events according to well-established designs. This Special Issue calls for works that both introduce new methods and apply simulation modelling for specific tasks related to marine biogeochemistry.

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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