Special Issue

Marine Snow and Elemental Cycles in the Ocean

Message from the Guest Editor

Marine aggregates of phytoplankton detritus and inorganic matter, known as marine snow, play a crucial role in elemental cycles in the ocean. Marine snow aggregates represent fast sinking vehicles of particulate organic matter, accelerating the vertical downward flux of photosynthetically-fixed carbon to the deep ocean. Sinking aggregates are often densely colonized by highly active heterotrophic microbial communities, making them hotspots for elemental cycles in the water column. In addition marine snow also plays an important role in the fate of contaminants, such as spilled oil, as they incorporate oil compounds during formation and sinking through the water column. This special issue welcomes submissions of state-of-the-art marine snow research focusing on:

- Formation, sinking, and fragmentation processes of marine snow;
- Biogeochemical cycling of marine snow-associated organic matter;
- Marine oil snow processes;
- Laboratory, field, and modelling processes to the above aspects of marine snow

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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