Special Issue

Ocean Numerical Forecast Modelling of Oil Spill

Message from the Guest Editor

The Deepwater Horizon oil spill was a turning point in oil spill preparedness and response. The scientific, governmental, and industry R&D communities have been working hard in the decade since. This Special Issue highlights key developments from these three sectors. Oil spill modeling developments from the Gulf of Mexico Research Initiative are summarized to show the breadth of the research and how this can improve oil spill response and planning. The U.S. Bureau of Ocean Energy Management highlights research to improve oil spill preparedness in the Pacific and Arctic Oceans, in tandem with the GoMRI program. Industry has funded detailed work in areas of changes in dissolved oxygen levels from subsurface oil to improvements in response and analysis. **keywords:**

- Oil spill
- Modeling
- Lagrangian
- Oil weathering
- Oil fate
- Toxicity
- Fate and effects
- Gulf of Mexico
- Deepwater Horizon oil spill
- Statistics

Guest Editor

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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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