



Numerical Modelling of Oil and Chemical (HNS) Spills in the Marine Environment

Guest Editor:

Dr. Ana J. Abascal

IHCantabria - Instituto de
Hidráulica Ambiental de la
Universidad de Cantabria,
Santander, Spain

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Message from the Guest Editor

The growth of maritime traffic and the variety of possible pollutants transported has led to a growing concern regarding accidental spills, especially oil and hazardous and noxious substances (HNS) spills. Over many years, operational and planning tools based on numerical models to simulate the transport and fate of marine pollutants have been developed and successfully applied to prevent and respond to accidental spills. Noticeable advances have been achieved especially for modelling oil spills at a regional scale. However, more research is needed to improve and develop new models, methodologies and tools for oil and HNS spills at sea and at local environments (e.g., estuaries, bays and ports).

This Special Issue will publish the most recent research with respect to the numerical modelling of oil and HNS spills, both for operational and risk assessment applications at a regional and local scale. Novel methods and high-quality papers focused on the numerical modelling of accidental spills, risk assessment of HNS and oil spills and validation with field or laboratory experiments and uncertainty analysis in the prediction of spill trajectories are welcome.





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Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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