



Phaseresolving Surface Wave Modeling

Guest Editor:

Prof. Dr. Dmitry Chalikov

P.P.Shirshov Institute of
Oceanology, Russian Academy of
Sciences, Moscow, Russia

Deadline for manuscript
submissions:

closed (10 August 2021)

Message from the Guest Editor

Dear Colleagues,

In contrast to the numerous attempts to describe the wave motion with different substitute equations, the numerical modeling is based on the initial equations of fluid dynamics with free surface. A phaseresolving technique allows considering waves as they are. It is the phaseresolving modeling that provides the opportunities for investigation and parameterization of physical processes in waves. This modeling can be used for development of spectral modeling, interpretation of wave spectrum in terms of real waves and for direct modeling of waves in small basins.

The high quality papers directly related to various aspects of wave modelling are encouraged for publication, including:

- Numerical schemes for solution of the full 2-D and 3-D equation of potential motion with free surface;
- Parameterization schemes for input and dissipation of energy.
- Examples of simulations.

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Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
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Perth, WA 6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
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MDPI, Grosspeteranlage 5
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