# Special Issue

# Friction Models for Flood and Pipe Flow Simulations

### Message from the Guest Editors

Methods based on artificial intelligence, such as symbolic regression, are useful tools to find simple algebraic but accurate relations to simulate data from experiments that simulate flow through pipes during floods. In addition, special functions such as the Lambert W-function or its cognate the Wright ⬚-function can be used to develop powerful flow friction approximations. Thus, we can see that flow friction estimation includes interdisciplinary research, which includes not only mechanical, civil or petroleum engineering but also artificial intelligence, mathematics (asymptotic expansion of special functions, Padé approximants, Lagrange theorem, etc.) and statistics. We welcome articles, review papers and short notes from academia and from practitioners from all scientific branches where fluid flow can occur.

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### Deadline for manuscript submissions

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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.

### Editor-in-Chief

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