# 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

closed (30 April 2022)

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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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