

# Special Issue

## Tidal Turbine

### Message from the Guest Editor

In 2019 we witnessed the final decommissioning of the tidal turbine SeaGen in Strangford Lough, Northern Ireland. Over its 11 years in the water, it produced nearly 12 GWh of electricity to the grid. This is major achievement in comparison with early wind turbine and photovoltaic installations, which are now a major industry and source of energy. At the same time, several tidal turbines, varying in scale, have been deployed around the world—a reason for celebration? Much work still needs to be done to make tidal energy a major industry. This Special Issue will present the recent developments in tidal energy research, from pure numerical modeling to laboratory and field testing and from hydrodynamics to operability, materials, and installation. Furthermore, all aspects from installation to operation will be presented by some of the leading researchers in this field, bringing this energy resource closer to large scale exploitation.

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### Guest Editor

Dr. Björn Elsäßer

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### Deadline for manuscript submissions

closed (31 July 2020)



## Journal of Marine Science and Engineering

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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