

## Special Issue

# Molecular Regulation of Cell Decision Making: Lessons from Marine Organisms

### Message from the Guest Editors

One of the most fascinating phenomena in biology is the ability of cells to decide about their fate in response to external stimuli. Understanding how cells perceive and integrate environmental cues to regulate their activity can be critical to both predict the effects of climate change on living organisms and to engineer new strategies to treat human diseases.

Marine organisms offer a rich source of diversity. The aim of this SI is to provide an overview of the current research exploiting marine organisms to study the complexity of cell decision making using approaches ranging from molecular, cellular, and physiological analyses to functional genomics, transcriptomics, and epigenetics.

Both original research articles and reviews are welcome. The areas may include but are not limited: (1) cell cycle and life cycle regulation in marine unicellular and multicellular organisms; (2) cellular responses to environmental stimuli in marine organisms; (3) cell fate acquisition in embryonic development.

We encourage submissions that are the outcome of projects that come from undergraduate teaching classes.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 December 2022)



## Journal of Marine Science and Engineering

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## About the Journal

### 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

Prof. Dr. Charitha Pattiaratchi

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).