

## Special Issue

# Marine Species Chemical Ecology

### Message from the Guest Editors

The use of chemical signals by animals is widespread in all environments, including marine habitats, where changes in behavior after the detection of waterborne compounds have been extensively documented for many species and in different behavioral contexts. Marine animals rely on chemical cues for spatial orientation, social communication, parental cares, larval settlement, avoidance of predators or injured conspecifics, identification of suitable habitats for reproduction, sex recognition and localization of food resources. Marine animals with external fertilization may also use chemicals in breeding aggregations and spawning synchrony strategies to enhance the probability of gamete encounters. Therefore, understanding the roles of marine chemicals and the sensory systems providing animals with information about them gives us insight into the chemical ecology of different species. This Special Issue provides a platform to highlight new research findings by further advancing the frontiers of knowledge regarding the chemical ecology of marine animals from a wide range of taxa. We will accept reviews as well as short and long research papers that cover these topics.

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### Guest Editors

Associate Professor Paolo Solari  
Dr. Addis Piero  
Dr. Viviana Pasquini

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### Deadline for manuscript submissions

31 October 2026



## Diversity

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## About the Journal

### Message from the Editor-in-Chief

*Diversity* (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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### Editor-in-Chief

Prof. Dr. Michael Wink

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