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Biological Invasions in a Changing World, from Biodiversity Assessment to Ecosystem Functions

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Message from the Guest Editors

In marine ecosystems, there are more and more reports of new alien species, especially in transitional environments where human activities are more intense, outlining routes and introduction pathways that often see fouling communities as a fertile ground for invasions. The vulnerability of the habitats, the ecological and biological drivers that favor the success of the newcomers, and the responses to the invasions of the native community represent the challenges to be faced. Novel environments offer novel opportunities, and plasticity may represent a significant advantage when dealing with new challenges. Invaders are a non-random subset of the source population, and individual differences have substantial ecological and evolutionary importance, also playing a key role in biological invasions.

In this Special Issue, we invite the submission of contributions that address the alien issue in aquatic ecosystems from multiple points of view, including specific interactions, adaptation, patterns of introduction and expansion, responses of biological communities, influence on ecosystem functions and services, etc.



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Special Issue



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Message from the Editor-in-Chief

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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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