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Diversity of Marine Fungi

Guest Editors:

Dr. Valeria Prigione

Mycotheca Universitatis Taurinensis, Department of Life Sciences and Systems Biology, University of Torino, Turin, Italy

Dr. Anna Poli

Mycotheca Universitatis Taurinensis, Department of Life Sciences and Systems Biology, University of Torino, Turin, Italy

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Message from the Guest Editors

The oceans host a huge variety of microorganisms, including fungi, active component of an these communities. Indeed, marine fungi live as mutualists, parasites, pathogens, and saprobes and play a key role in the cycling of nutrients. Furthermore, these widespread organisms have been recovered worldwide from a range of biotic and abiotic substrates such as algae, sediments, invertebrates, and drift- and submerged wood. The definition of "marine fungus" has been recently updated as "any fungus retrieved repeatedly from marine environment that herein reproduces". Although the total number of marine fungi has been estimated to exceed 10,000 taxa, fewer than 2000 species, belonging to 7 phyla, have been described. Consequently, most of the fungal diversity is yet to be discovered. The aim of this Special Issue is to provide an opportunity to improve the current knowledge of fungal marine biodiversity. Manuscripts dealing with fungal abundance, distribution, ecology, phylogeny, culturomics, metagenomics, and functional diversity in all marine environments and habitats are more than welcome.

Specialsue



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Editor-in-Chief

Prof. Dr. David S. Perlin

Hackensack Meridian Health Center for Discovery and Innovation, 111 Ideation Way, Nutley, NJ 07110, USA

Message from the Editor-in-Chief

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Journal of Fungi Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/jof jof@mdpi.com X@JoF_MDPI