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Mapping Marine Biodiversity Knowledge Gaps Using Open Data

Guest Editors:

Dr. Hanieh Saeedi

Dr. James Davis Reimer

Prof. Dr. Angelika Brandt

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Message from the Guest Editors

Dear Colleagues,

Data digitization and the mobilization of marine species have greatly expanded over the last few decades via the establishment of biodiversity open access databases such as the Ocean Biodiversity Information System (OBIS) and Global Biodiversity Information Facility (GBIF). Despite these great efforts, in some areas more than 50% of the ocean lacks digital data, restricting accurate biodiversity assessments. The challenge at hand is first to determine the existing knowledge gaps and identify their drivers, such as a lack of sampling, data digitization or taxonomy efforts. Open data can help to determine areas requiring attention.

In this Special Issue, we aim to compile papers using open portals in addition to their own sampling methods to uncover knowledge gaps and biodiversity patterns in marine species at both regional and global scales. This Special Issue hopes to contribute to these fields and to establish recommendations for marine conservations strategies and the way forward.

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Special Issue



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Editor-in-Chief

Prof. Dr. Michael Wink

Institute of Pharmacy and
Molecular Biotechnology,
Heidelberg University, Im
Neuenheimer Feld 329, D-69120
Heidelberg, Germany

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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Contact Us

Diversity Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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