



Marine Biotic Changes and Future Challenges

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Deadline for manuscript
submissions:

closed (30 December 2023)

Message from the Guest Editors

The habitats of the world's oceans are under siege by alien invasive species, causing adverse, irreversible consequences for the native biodiversity, ecosystem services, economy, and human health. Climate change, increasing ship carrying capacities and speeds, the widening and deepening of man-made canals, and pollution favor the introduction of these species and their successful establishment. Habitat destruction is a major threat to the structure and functioning of marine biotic communities, exacerbating overfishing by limiting fishable areas or decreasing the productivity of marine environments. In this context, long-term monitoring studies have become critical to assess the dimension of these factors and to prepare effective management plans to cope with these challenging issues.

The topic focuses on marine biotic changes as a consequence of anthropogenic activities from any geographic region. Papers may include issues related to biotic changes and the monitoring of species and communities.

We are interested in the following research areas:

- Community shifts;
- Alien species;
- Monitoring of marine species and communities;
- Habitat mapping;
- Ecological Quality Status.





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