

Special Issue

Bioturbation in Marine Ecosystems: Current and Future Challenges

Message from the Guest Editor

With the growing pressure of climate change and the need for nature-based solutions and preservation of biodiversity, we still lack knowledge on important mechanisms governing the functioning of ecosystems, particularly when the benthic fauna component is considered. Therefore, we invite articles based on laboratory and field experiments and on the bioturbation of single, invasive, multiple species or whole benthic-fauna community. Topics relating to bioturbation and key ecosystem functions, such as influence on carbon degradation/burial, nutrient regeneration, microbial interactions, alkalinity/carbonate dissolution, and effects on post-depositional processes of blue carbon in saltmarshes, seagrasses, and mangroves, are welcome. New techniques are also required for understanding and upscaling single species or community bioturbation effects to whole ecosystem assessments. These contributions will pave the way for extended knowledge of complex and context dependent bioturbation processes and hopefully advance ecological, biogeochemical, and climate models as well as the development of restoration actions.

Guest Editor

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Deadline for manuscript submissions

closed (10 September 2021)



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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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