



Thermal and Hypoxia Vulnerability in Tropical Marine Systems: Advances in Physiology, Ecology and Evolution

Guest Editors:

Dr. Carolina Madeira

UCIBIO - Applied Molecular Biosciences Unit, Life Sciences Department, School of Science and Technology, NOVA University of Lisbon, 2829-516 Caparica, Portugal

Dr. Noelle Lucey

STRI – Smithsonian Tropical Research Institute, Apartado Postal 0843-03092, Balboa, Ancon, Panama

Dr. Piero Calosi

Département de Biologie, Chimie et Géographie, Université du Québec à Rimouski, 300 Allée des Ursulines, Rimouski, QC G5L 3A1, Canada

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Message from the Guest Editors

In the tropics, oceans are rapidly warming (OW) and marine heat waves (MHW), as well as hypoxia, are becoming more frequent, more severe, and longer-lasting. The impact these phenomena have on marine life depends on i) the multilevel hierarchical nature of physiological responses, ii) the complexity of genotype–phenotype–environment interactions, iii) organisms’ ability to buffer changes through behavior, iv) the plastic, epigenetic, and evolutionary trajectories of species and their ability to rapidly adapt to changes, and v) indirect impacts mediated by changes in species interactions and community structures and dynamics. In this Special Issue, we aim to investigate these processes in depth and create a useful critical synthesis, by bringing together cutting-edge original studies that assess the emerging risks of chronic and extreme warming and hypoxic events for tropical biotic systems.





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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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