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Interactions and Effects of Different Climate Change Scenarios with Emergent Pollutants

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Deadline for manuscript submissions:
closed (1 June 2020)

Message from the Guest Editors

Dear Colleagues,

At present, a vast variety of substances arrives to the aquatic environment, including newly developed chemicals, usually called contaminants of emerging concern (CECs), posing a risk to a wide diversity of endogenous marine biological resources with ecological and economical relevance. For decades, classical pollutants (as trace metals) have been monitored worldwide, but regarding CEC studies, information on their environmental concentrations is still limited. Plastic pollution constitutes an additional stressor to the marine systems already under other sources of anthropogenic pressure. Understanding the real risks of micro(nano)plastics to marine wildlife requires knowledge on environmental levels and pathways of exposure, which is still in its infancy, especially in what concerns marine invertebrates.

Alongside the impacts caused by classical and emerging pollutants, organisms in coastal ecosystems are exposed to environmental changes. Recent studies have demonstrated that CC-related factors modulate the biochemical and physiological sensitivity of aquatic organisms to different pollutants, with responses being pollutant- and species-specific.

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Message from the Editor-in-Chief

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