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Metal Contamination Biomonitoring with Marine Macroalgae

Guest Editors:

Dr. Rita García Seoane
Centro Oceanográfico de A Coruña, Instituto Español de Oceanografía (IEO-CSIC), A Coruña, Spain

Dr. Claude Fortin
Institut National de la Recherche Scientifique, Quebec, QC, Canada

Deadline for manuscript submissions:
closed (20 March 2024)

Message from the Guest Editors

Dear Colleagues,

Metal contamination in the marine environment has emerged as a major environmental concern globally. Metals (e.g., Cd, Cu, Hg, Ni, Pb, and Zn) and metalloids (As) have been discharged in large amounts into the marine environment without adequate environmental control as a result of human activities. These contaminants are toxic, persistent, and can be bioaccumulated and transferred through the marine food web, threatening the integrity of ecosystems and human health. Marine macroalgae have been widely used as biomonitors of marine contamination (including metals and organic pollutants, among others) since the middle of the 20th century.

This Special Issue welcomes the submission of studies which deal with the use of marine macroalgae as biomonitors of metallic contamination based on different approaches, namely local/regional biomonitoring surveys using native macroalgae or transplants, studies relating seasonal/temporal variability with environmental variability and climate change, methodological improvements in monitoring techniques, bioaccumulation and biosorption experiments, etc. The submission of long-term field studies is highly encouraged.

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Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. State Key Joint Laboratory of Environment Simulation and Pollution Control, School of Environment, Beijing Normal University, No. 19 Xinjiekouwai Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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Contact Us

Environments Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/environments
environments@mdpi.com
𝕏@Environ_MDPI