Special Issue

Bioremediation in the Marine Environment

Message from the Guest Editor

Organic and inorganic pollution and anthropogenic litter in marine environments are some of the most widespread and concerning problems. Marine biotechnology is a fundamental tool that can be used to combat marine pollution by remediating or mitigating its effects. Several marine organisms have the ability to degrade pollutants and transform them into substances with less toxicity, or even in some cases into nontoxic forms, a process known as bioremediation. Different strains of bacteria and fungi, as well as distinct species of algae and plants, are suitable bioremediators, capable of degrading or detoxifying pollutants such as crude oil components from oil spills and other organic compounds, heavy metals, and even plastic waste. Bioremediation is therefore a set of emerging and promising technologies with a large potential to fight marine pollutants that deserves immediate attention as the focus of research and development. I invite colleagues to contribute with their original research papers, short communications and review articles on all aspects of marine bioremediation and biodegradation to advance and disseminate the development of these environmental technologies.

Guest Editor

Dr. Sílvia C. Gonçalves

MARE – Marine and Environmental Sciences Centre, School of Tourism and Maritime Technology, Polytechnic of Leiria, 2411-901 Leiria, Portugal

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation, Richard N. Dixon Research Center, Morgan State University, Baltimore, MD 21251, USA

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