Special Issue

New Frontiers into Environmental Microbiology

Message from the Guest Editors

Alterations of the aquatic environment have an impact on human health, economy, and the environment itself. Impacts are apparent when considering the risks of polymer presence, and the consequence of polluted water discharges, among others. In this context, microorganism significance lies in understanding on how they behave as potential drivers of biodegradation of polymers, as bioindicators of quality of water and sediments, and in the comprehension of interactions of foreign and resistant microorganisms, from discharged water, on receiving water bodies, sediments, and existing microbial communities. Microbiological effects on water bodies and sediments are valued through different approaches such as in vitro studies, (meta) genomic analysis, and fecal pollution source tracking methods. We encourage studies based on genome and other disciplinary studies focused on both basic and applied research.

- bacteria
- biofilms
- colonization
- marine and freshwater ecosystems
- microorganism communities
- phylogenesis
- water quality

Guest Editors

Dr. Pilar Garcia-Jimenez

Department of Biology, Universidad de Las Palmas de Gran Canaria, 35001 Las Palmas, Spain

Dr. Marina Carrasco-Acosta

Department of Biology, Universidad de Las Palmas de Gran Canaria, 35001 Las Palmas, Spain

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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