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Gut Microorganisms of Aquatic Animals 2.0

Guest Editor:

Prof. Dr. Konstantinos A. Kormas
(MiCHAEL)Department of Ichthyology & Aquatic Environment, University of Thessaly, Volos, Greece

Deadline for manuscript submissions:
closed (15 January 2022)

Message from the Guest Editor

The last decade has seen rapid and spectacular ongoing progress in the multiple roles of gut microorganisms in humans. This knowledge and its concomitant technological progress are attracting increasing scientific interest for the investigation of animal gut microbiota and microbiomes. Aquatic animals are no exception for various reasons are related to, e.g., eco-evolutionary history and the economic significance and ecological vulnerability of these animals and their habitats in marine and fresh waters. The Special Issue entitled “Gut Microorganisms of Aquatic Animals” aims to present recent research on any aspect of aquatic animal gut microbiology. Some of its focal points include but are not limited to the following:

- Gut microbes of animals living in extreme aquatic environments;
- Aquatic animal ontogeny and microbial succession;
- Gut microbiology of farmed aquatic animals;
- Gut Archaea and microscopic eukaryotes of aquatic animals;
- Novel methodologies for investigating gut microbes of aquatic animals;
- Pollution and other environmental stress factors on gut microbes of aquatic animals;
- Insights into the hologenome theory of evolution of aquatic animals.

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Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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