Special Issue

Surveillance of Health-Relevant Pathogens Employing Wastewater

Message from the Guest Editors

We are pleased to introduce the second edition of our Special Issue “Surveillance of SARS-CoV-2 Employing Wastewater” (https://www.mdpi.com/journal/microorganisms/special_issues/EZWTO53D8J), now entitled "Surveillance of Health-Relevant Pathogens Employing Wastewater". Building on the success of the initial edition focused on SARS-CoV-2, this edition broadens the scope to capture the evolving landscape of Wastewater and Environmental Surveillance (WES), particularly its application in monitoring emerging pathogens and antimicrobial resistance (AMR) as we move into 2025 and beyond.

This Special Issue delves into the advancements in WES that have enabled such comprehensive applications. By covering key aspects such as sampling, storage, laboratory analysis, and data normalization, this edition underscores the vital role WES plays in enhancing global health security.

By synthesizing the various applications and opportunities offered by wastewater surveillance, this edition aims to illustrate its expanding influence on health preparedness and its potential to safeguard economically relevant sectors against emerging health threats. We look forward to exploring these dimensions with you.

Guest Editors

Dr. Bernd Manfred Gawlik
European Commission, Joint Research Centre (JRC), 21027 Ispra, Italy

Prof. Dr. Gernot Marx
Department of Intensive Care Medicine, University Hospital RWTH Aachen, 52074 Aachen, Germany

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

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About the Journal

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.

Editor-in-Chief

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

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