microorganisms

IMPACT FACTOR 4.1 | Indexed in: PubMed | CITESCORE 7.4

an Open Access Journal by MDPI

Airborne Microbes and Their Potential Influence

Guest Editors:

Prof. Dr. Daisuke Tanaka
Faculty of Science, Academic Assembly, University of Toyama, 3190 Gofuku, Toyama 930-8555, Japan

Prof. Dr. Fumito Maruyama
Center for the Planetary Health and Innovation Science (PHIS), The IDEC Institute, Hiroshima University, 1-3-2 Kagamiyama, Higashi-Hiroshima City 739-8511, Hiroshima, Japan

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Airborne microbes are ubiquitous in the atmosphere, being present at a density of 103 to 107 cells per cubic meter. These microbes are emitted from both natural and anthropogenic sources such as terrestrial, soil, forest, desert, composting, and agricultural activities, as well as city, wetland, and marine environments. These organisms are exposed to hostile conditions, including scarcity of nutrients, UV radiation, desiccation, temperature and pH shifts, and the presence of reactive oxygen species. Airborne microbes are known to play an important role in agriculture, public health, cloud formation, global climate, pollutant degradation, and atmospheric dynamics. Moreover, these microbes provide a medium for the spread of diseases.<false,>As the Guest Editor of the Special Issue, it is my pleasure to invite you to submit research articles, reviews, and short communications related to the biology of airborne microbes and their role in human health and climate, with the hope that this issue represents a suitable good platform to support the improvement of research related to airborne microbes.

Prof. Dr. Tanaka Daisuke
Prof. Dr. Fumito Maruyama
Guest Editors

microorganisms

IMPACT FACTOR 4.1 | Indexed in: PubMed | CITESCORE 7.4

an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
𝕏@Micro_MDPI