

## International Journal of *Environmental Research and Public Health*



an Open Access Journal by MDPI

# Microbial Ecology and Health Risk in Human Activity Sites

Guest Editor:

#### Dr. Łukasz Kubera

Department of Microbiology and Immunobiology, Faculty of Biological Sciences, Kazimierz Wielki University, 85-090 Bydgoszcz, Poland

Deadline for manuscript submissions: closed (31 March 2023)

#### Message from the Guest Editor

Microorganisms fulfil many key functions responsible for ecological stability of ecosystems. However, the ecology of microorganisms is heavily determined by human activity witch may negatively affect environmental health, but it can also be seen in public spaces. This happens because anthropopressure an enormous impact on the epidemiological safety and microbiological quality of all types of environments (water, soil, air). Constantly developing industry and agriculture together with rapid urbanization lead to xenobiotic contamination, followed by the decline in microbiodiversity, emergence of sanitary risks, the acquisition of antibiotic resistance, and many other problems. Therefore, there is a need for constant updating of our knowledge of human impact on microbiological processes observed in the natural environment and possibilities of counteracting negative consequences of anthropopressure.

Keywords: microbial ecology; environmental microbiology; anthropogenic pressure; environmental sanitary threat; antimicrobial pollution; resistance; microbial microbial diversity; activity; pathogens; xenobiotics

**Special**sue



mdpi.com/si/105342



## International Journal of *Environmental Research and Public Health*



an Open Access Journal by MDPI

#### **Editor-in-Chief**

#### Message from the Editor-in-Chief

#### Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation, Richard Dixon Research Center, Morgan State University, 1700 E. Cold Spring Lane, Baltimore, MD 21251, USA Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

### Contact Us

International Journal of Environmental Research and Public Health Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/ijerph ijerph@mdpi.com X@IJERPH\_MDPI