

International Journal of *Environmental Research and Public Health*



an Open Access Journal by MDPI

Removal of Organics, Nutrients, Emerging Contaminants and Health Related Viruses in Biological Treatment of Wastewater

Guest Editor:

Dr. Benqin Yang

Faculty of Environmental Science and Engineering, Kunming University of Science and Technology, Kunming 650500, China

Deadline for manuscript submissions: closed (31 January 2024)

Message from the Guest Editor

Dear Colleagues,

Biological removal of organics and nutrients is a traditional issue for organic wastewater pollution control and management, which not only meets economic requirements but also achieves carbon emission reduction and carbon neutrality. Cost-effectively recovering resources from wastewater and generated sludge, as well as reclaiming wastewater can completely offset wastewater treatment costs or even generate a profit. Biofilm-based treatment technologies have emerged as a promising alternative in biological processes such as anaerobic ammonium oxidation (ANAMMOX), while emerging contaminants and the coronavirus pandemic are emphasizing the relevance of pollutants and viruses to human health. To mitigate and prevent the impacts of emerging contaminants, COVID-19 and other relevant viruses on human and ecosystem health, research on risk assessment, and control measures are immediate priorities. This Special Issue calls for contributions on the topics related to organic wastewater management based on biological treatments.



mdpi.com/si/157241





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, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/ijerph ijerph@mdpi.com X@IJERPH_MDPI