

Special Issue

Microbial Biotechnology Products for a Sustainable Bioeconomy

Message from the Guest Editors

This Special Issue on “Microbial Biotechnology Products for a Sustainable Bioeconomy” aims to promote the potential of microbial biotechnology products for a sustainable bioeconomy. The discovery of new products has been addressed by multidisciplinary teams, for example, combining knowledge on microbiology, biotechnology, and chemistry. Therefore, this Special issue should focus on screenings and characterization of new bio-based products, new microbial producers, and optimization of biotechnological processes by reducing production waste and cost, leading to more sustainable processes and enhancing the circular economy. Known microorganisms such as bacteria, fungi, yeasts, and microalgae that have been explored are comparatively few but with an incredible level of diversity available. They have been isolated from multienvironments such as soils, plants, water, humans, and animals, and several of their bio-based products aim to minimize the health and environmental risks. Understanding the metabolic pathways can help toward the design of microbial cell factories to produce novel biopolymers.

Guest Editors

Dr. Diogo Neves Proença

Dr. Paula Maria Vasconcelos Morais

Prof. Dr. Dirk Tischler

Deadline for manuscript submissions

closed (30 June 2023)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/54889

*International Journal of
Environmental Research and
Public Health*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)





International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)



About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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)