



## Microbial Biotechnology Products for a Sustainable Bioeconomy

Guest Editors:

**Dr. Diogo Neves Proença**

Department of Life Sciences,  
University of Coimbra, 3000-456  
Coimbra, Portugal

**Dr. Paula Maria Vasconcelos  
Morais**

Department of Life Sciences,  
Faculty of Science and  
Technology, University of  
Coimbra, 3000-456 Coimbra,  
Portugal

**Prof. Dr. Dirk Tischler**

Microbial Biotechnology, Faculty  
of Biology and Biotechnology,  
Ruhr-Universität Bochum, 44780  
Bochum, Germany

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### 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.





an Open Access Journal by MDPI

## 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

## Message from the Editor-in-Chief

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