

Special Issue

Bioproducts from Cyanobacteria and Microalgae: Current Trends and Future Perspectives

Message from the Guest Editors

We welcome original research, reviews and communications on topics including:

- **Bioproducts and their applications:** such as pigments, proteins, lipids, polysaccharides, and nutraceuticals with pharmaceutical, cosmetic, food, and agricultural applications.
- **Process optimisation and engineering for enhanced productivity:** innovations in cultivation, harvesting, genetic and metabolic engineering, and biorefinery processes to improve biomass and bioproducts yield.
- **Cultivation systems:** design, optimisation, and scaling of open ponds and photobioreactors.
- **Omics-driven insights:** Genomic, transcriptomic, proteomic, and metabolomic studies elucidating microbiome interaction and bioproduct production.
- **New promising strains:** identification and classification of new cyanobacterial and microalgae strains with interesting properties for bioproducts production.
- **Wastewater treatment:** cyanobacteria and microalgae for treating industrial, agricultural, and municipal wastewater.
- **Environmental and economic sustainability of biorefineries:** explores the techno-economic feasibility and life-cycle assessment of converting algal biomass into a range of high-value products

Guest Editors

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About the Journal

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.

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).