

Special Issue

Unveiling the Hidden World: Diversity and Ecology of Cyanobacteria and Algae

Message from the Guest Editors

Phototrophic microorganisms, cyanobacteria and algae, are remarkable life forms that thrive in a wide range of habitats on Earth. They exhibit exceptional adaptability to diverse and often extreme environmental conditions, developing unique survival strategies that enable them to thrive in challenging ecosystems. Through their resilience and ecological versatility, they make a significant contribution to primary production, global nutrient cycling, and the maintenance of ecological balance. Research into the diversity and ecology of these phototrophs provides valuable insights for numerous scientific fields, including biodiversity, ecosystem functions, environmental monitoring, climate change, evolutionary biology, sustainable resource use, public health, and biotechnology. Despite their importance, cyanobacteria and algae remain relatively understudied, especially those inhabiting extreme or unique environments. This Special Issue aims to present high-quality research that enhances our understanding of the diversity, ecology, and roles of algae and cyanobacteria from various habitats, advancing both fundamental and practical scientific knowledge.

Guest Editors

Dr. Slađana S. Popović

Institute of Botany and Botanical Garden "Jevremovac", Faculty of Biology, University of Belgrade, Belgrade, Serbia

Dr. Olga S. Jakovljević

Institute of Botany and Botanical Garden "Jevremovac", Faculty of Biology, University of Belgrade, Belgrade, Serbia

Deadline for manuscript submissions

31 January 2026



Microbiology Research

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 2.8



mdpi.com/si/247001

Microbiology Research
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microbiolres@mdpi.com

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





Microbiology Research

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 2.8



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



About the Journal

Message from the Editor-in-Chief

Microbiology Research (ISSN 2026-7481) is an international, scientific, open access journal primarily focused on research examining the complex interplay among microorganisms and citizens, animals and the environment in a holistic one-health approach. The topics covered in the journal include, but are not limited to: Antibacterials and antimicrobials, Virology, Bacteriology, Microbiomes, Veterinary microbiology, Food microbiology, Agricultural microbiology, Yeast microbiology, Foodborne diseases, Infectious diseases, Fungal diseases. We would also like to include the topics from basic and translational medicine which aim to develop an understanding and treatment of major diseases in humans and animals.

Editor-in-Chief

Prof. Dr. Beniamino T. Cenci-Goga
Department of Veterinary Medicine, University of Perugia, 06121
Perugia, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), Embase, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.7 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).