



life



an Open Access Journal by MDPI

Cellular and Molecular Strategies in Cyanobacterial Survival

Guest Editors:

Dr. Iris Maldener

Interfaculty Institute of
Microbiology and Infection
Medicine, University of Tübingen,
72074 Tübingen, Germany

Dr. Khaled Selim

Interfaculty Institute of
Microbiology and Infection
Medicine, Eberhard Karls
Universität Tübingen, 72074
Tübingen, Germany

Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editors

Cyanobacteria occupy almost all illuminated aquatic and terrestrial habitats and developed sophisticated cellular strategies of survival under fluctuating conditions. In recent years, our knowledge on cyanobacterial survival strategies has increased tremendously by applying global studies like transcriptomics and proteomics, advanced microscopic techniques, as well as protein structure and function analysis.

In this Special Issue of *Life*, we invite researchers from all over the world to share with us the advances in our understanding of ecological, cellular, and molecular mechanisms of cyanobacterial survival. This includes original work and review articles dealing with signaling pathways, strategies of gene and protein regulation, global studies, and new discoveries related to differentiation of spore like akinetes, motile hormogonia, and nitrogen-fixing heterocysts.



mdpi.com/si/35075

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)