

## Special Issue

# Physiology, Evolution and Biotechnology of Microalgae in Extreme Environments

### Message from the Guest Editors

Extremophilic microalgae can colonise and thrive in inhospitable environments (extremely low or high pH, temperature, salinity, pressure and radiation). Over the past few decades, extremophilic microalgae have been thoroughly studied, providing insights into the origin and evolution of life on Earth and the mechanisms of tolerance and adaptation to harsh environmental conditions. The adaptation to extreme life could be due to structural features and hidden genome information that might be transcribed in specialised molecules, depending on environmental conditions. Lately, powerful sequencing and bioinformatics methods have also been used to predict extremophilic proteins with great potential in biotechnological and pharmaceutical applications. This Special Issue on extremophilic microalgae aims to collect a wide range of research on physiology, evolution and biotechnological application of extremophilic microalgae to increase and deepen knowledge of life at the extremes.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 January 2024)



## Plants

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### Editor-in-Chief

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