Special Issue

Physiology and Evolution of Microalgae under Extreme Environments

Message from the Guest Editors

Extremophilic microalgae can colonize 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 specialized molecules, depending on environmental conditions. This Special Issue on extremophilic microalgae aims to spotlight studies that incorporate a combination of physiology, genomic, metagenomic, post-genomic, bioinformatic, and experimental analyses. As the of this Special Issue, it is our pleasure to invite you to submit your cutting-edge interdisciplinary research articles and reviews related to extremophilic algae.

Guest Editors

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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