Special Issue

Mechanisms of Algae Adapting to Environmental Changes

Message from the Guest Editor

Algae play a crucial role in aquatic ecosystems and are essential for global carbon cycling and oxygen production. Their ability to adapt to environmental changes is increasingly relevant, especially in the context of climate change, pollution, and habitat alteration. Mechanisms such as phenotypic plasticity, genetic adaptation, and symbiotic relationships enable algae to thrive under varying conditions, including fluctuations in light, temperature, salinity, and nutrient availability. Research in this field enhances our understanding of algal biology and informs conservation strategies and the development of sustainable practises in aquaculture and biofuel production. Exploring the intricate ways algae respond to environmental stressors provides key insights that could lead to innovative approaches for ecosystem management and restoration. This Special Issue of *Plants* will highlight mechanisms of algae adapting to environmental changes.

Guest Editor

Dr. Maksymilian Zienkiewicz

Department of Molecular Plant Physiology, Institute of Environmental Biology, Faculty of Biology, University of Warsaw, Warsaw, Poland

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

mdpi.com/journal/plants

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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

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

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