

Special Issue

Current Topics in Macroalgal Research

Message from the Guest Editor

Macroalgae are photosynthetic multicellular organisms living in aquatic habitats. Due to harsh changes in environmental conditions in living places, macroalgae seem to acquire high-level tolerance to these environmental stresses for enabling normal growth and correct development in the hydrosphere. However, an integrated understanding of the relationship between stress response and morphogenesis under unfavorable stressful conditions has not yet been established in macroalgae. Rather, studies on stress response, growth, and morphogenesis have progressed independently and are much behind those in terrestrial plants. Therefore, it is important to recognize the current progress of these studies to form a vision for the further development of macroalgal research.

This Special Issue highlights novel findings that significantly contribute to understanding the regulation of growth, morphogenesis, and stress response at physiological, biochemical, and molecular levels including omics approaches. Thus, we intend to collect research articles, communications, and review articles that address significant research questions in the biology and ecology of freshwater and marine macroalgae.

Guest Editor

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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.

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