Special Issue

CO_2 Fixation Technologies through Algae and Plants

Message from the Guest Editors

In recent years, the effects of global warming have become increasingly severe year by year, as reported in many parts of the world by extreme weather events, which are thought to be the result of global warming. Carbon dioxide, which is thought to be one of the main causes of global warming, can be used as a carbon source for algae and plants, and thus can convert carbon dioxide in the air into organic carbon. Improving their organic carbon content can reduce the amount of carbon dioxide in the atmosphere, which could provide a solution to global warming. This Special Issue focuses on research that enhances carbon fixation using algae and plants. We welcome research articles, short communications, and review articles on a wide range of topics, including the enhancement of carbon dioxide fixation itself, the production of biomass and valuable products from carbon dioxide (such as pigments, PUFAs, etc.), and the effects on the growth of algae and plants under increased carbon dioxide levels.

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About the Journal

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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