Special Issue

Gene Regulation of Chlorophyll Biosynthesis

Message from the Guest Editor

Light-dependent and light-independent Pchlide reductases haven been identified in nature, and their characterization has provided important insights into the evolution of chlorophyll biosynthesis. Because both linear and cyclic tetrapyrroles are highly reactive and can trigger the formation of reactive oxygen species (ROS), the biosynthesis of chlorophyll must be tightly regulated in time and space such that no damage occurs to cellular and subcellular structures. It is the aim of this Special Issue to summarize our current knowledge of the genes and enzymes involved in chlorophyll biosynthesis and what strategies living organisms have evolved to cope with the undesired, potentially harmful effects of these tetrapyrrole compounds.

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.

Editor-in-Chief

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