

Special Issue

Chloroplast and Stress Signaling 2.0

Message from the Guest Editor

Photosynthesis is inarguably the most important biological process on earth, and chloroplast is the plant organelle that carries it out. However, recent studies have indicated that chloroplasts suffering from stress conditions (e.g., high light, drought, low/high temperature, nutrient limitation, pathogen infection) produce specific signals and regulate the expression of nucleus genes. Meanwhile, stressed chloroplast also elicits post-translational modifications including autophagy, budding or even degradation. Thus, chloroplasts are not only the centers of plant metabolism, but also sensors of environmental stresses. This Special Issue focuses on the role of chloroplast in sensing and transmitting stress signals as well as its responses to environmental stresses.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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