

Special Issue

Current Advances in Plant Gene Regulatory Networks

Message from the Guest Editor

One of the principal features of living organisms is their ability to adapt to their ever-changing environment using an incredible variety of strategies. Plants are sessile organisms, so changing locations is not an option for adaptation for them. Instead, plants employ complex sensing and signaling systems to constantly monitor the parameters of the environment (e.g., light, temperature, availability of water, etc.) and respond to their alterations with an orchestrated modulation of gene expression. Reprograming of specific gene sets eventually leads to changes in metabolism, development, and growth to accommodate the actual conditions. The aim of this Special Issue is to collect research articles and review papers that illustrate the unparalleled diversity and complexity of plant signaling and regulatory systems, including, but not limited to, light- and circadian clock-regulated gene expression, temperature sensing and thermomorphogenesis, molecular responses to water/drought/osmotic/saline stress, sensing and responding to biotic stress, hormonal regulation of development, and flowering time determination.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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