

## Special Issue

# Signal Conversion and Auxin Transport in Plant Tropism

### Message from the Guest Editor

Plants control their growth to enable efficient uptake of environmental resources, such as water and nutrients. For a long time, scientists have made efforts to understand the basis of the signaling pathway transmitting inordinate environmental stimuli to a molecular mechanism regulating cellular responses. Plant hormones have been shown to play an important role in the signaling pathway as a master signaling substance. However, it remains unknown how plants transduce environmental signals into biochemical signal transduction. In recent years, it has been indicated that the membrane trafficking system plays key roles in the signaling pathway of environmental responses. The membrane trafficking system seems to regulate polar localization of membrane protein in response to directional and variable environmental stimuli. This Special Issue aims to discuss insights about the membrane trafficking in plants. Furthermore, we provide an overview of new advances in the development of polar localization of membrane proteins. This Special Issue will accept articles on membrane trafficking, localization of proteins, environmental signaling, and plant hormones.

### Guest Editor

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### Deadline for manuscript submissions

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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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