

## Special Issue

# Photomorphogenesis and Stress Response Mechanisms Involving Light in Plants

### Message from the Guest Editor

Light can both impair and alleviate the environmental stress responses that plants constantly face. Over time, plants have evolved complicated mechanisms to cope with these stresses, often integrating light signals into their responses. Photomorphogenesis plays a crucial role in plant adaptation, influencing growth and stress responses based on the quality, quantity, and duration of light exposure. This process highlights the importance of light in plant development and survival. Both photomorphogenesis and stress response mechanisms in plants are complex and intricately connected. Understanding these mechanisms is vital for developing better agricultural practices and crop management strategies, especially as environmental stresses become more prevalent due to climate change. By exploiting knowledge of how plants respond to light, researchers and farmers can optimize growth conditions and enhance crop resilience.

### Guest Editor

Dr. Ilektra Sperdouli

Institute of Plant Breeding and Genetic Resources, Hellenic Agricultural Organisation–Demeter (ELGO–Dimitra), 57001 Thermi, Greece

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## Biology

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*Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biology@mdpi.com](mailto:biology@mdpi.com)

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