

Special Issue

Regulations by Light Quantity and Quality and Their Effects on Crops

Message from the Guest Editors

Changes in light quantity and quality induce regulations of a number of processes that contribute to the acclimatization of crops to their environment.

Historically, fluctuation in light quantity has been shown to regulate photosynthesis, and changes in light quality to play an essential role in regulating morphogenesis.

We now know that both light components regulate photosynthesis and morphogenesis, as well as many other processes crucial for crop yield and quality, such as dry matter partitioning, secondary metabolite production and regulation of plant defense. However, many questions still deserve to be addressed. This Special Issue will highlight original research papers and reviews on recent advances on the regulations by light quantity and quality on a range of traits of importance for crops and on the underlying processes. The development of experimental and modelling approaches to facilitate the exploration of light regulations and their effects is also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)



Plants

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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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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, and 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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