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Regulations by Light Quantity and Quality and Their Effects on Crops

Guest Editors:

Dr. Sabine Demotes-Mainard

INRAE (French National Research
Institute for Agriculture, Food and
Environment)

Dr. Didier Combes

INRAE (French National Research
Institute for Agriculture, Food and
Environment)

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/46501

Special Issue



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Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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