

Special Issue

Physiological, Biochemical, and Molecular Response in Plants under Light-Emitting Diode (LED) Treatment (Volume II)

Message from the Guest Editors

Plants have a wide variety of photoreceptors that selectively respond to radiations of the electromagnetic spectrum. Light-emitting diodes (LEDs) have proven to be useful for elucidating the molecular basis of these responses with their ability to independently control light wavelength and intensity. Understanding the physiological, biochemical, and molecular responses induced by LED lights on different plant species and even cultivars is a crucial step to optimize specific “light recipes” for optimal plant growth and health. This Special Issue aims to summarize the newest advances related to physiological aspects, and the key molecular mechanisms underlying plant responses under LED treatment. Original research papers and reviews focusing on plant growth and productivity, plant nutritional, nutraceutical and functional properties, and the safety and quality of plant products at harvest and postharvest under LED treatment, are welcome. We hope that multidisciplinary applications of knowledge will provide substantial benefits for future research in plant science.

Guest Editors

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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