# Special Issue

# The Influence of Light, Temperature and Irrigation on Crop Production and Quality

## Message from the Guest Editors

Light serves as the primary driver of photosynthesis, impacting carbohydrate synthesis and, consequently, crop growth and development. Temperature also plays a pivotal role. Efficient irrigation management is equally essential, influencing soil moisture and nutrient uptake. Modern farming practices often incorporate technological solutions, such as colored nets, precision agriculture and smart irrigation systems, to monitor and manage these environmental variables effectively. By understanding and manipulating these factors, farmers can enhance crop productivity, improve product functional properties, and promote overall crop resilience in the face of changing environmental conditions. The primary aim of this Special Issue is to delve into the nuanced understanding of how light, temperature, and irrigation, along with their interactions, impact the crop productivity, nutritional content, and sustainability of farm systems. Therefore, all types of articles, such as original research, short communications, opinions and reviews dealing with aspects of the prementioned factors are all welcome.

#### **Guest Editors**

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### Deadline for manuscript submissions

28 February 2025



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# Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. Agriculture is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

### Editor-in-Chief

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