



## Physiological and Ecological Characteristics and Sustainable Production of High-Yield Maize—Volume II

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

As the global population increases, the world may face continuous food shortages in the coming decades. Maize (*Zea mays* L.) is one of the main staple crops and has the highest grain yield per unit area in the world. The grain yield of maize has increased considerably in many countries of the world such as China and the U.S. However, the actual maize yield is far lower than the potential yield. Therefore, obtaining a high maize yield is the constant target of agriculture production, which can ensure food security. To achieve a high yield of maize, it is necessary to clarify the cultivars, key field management practices (irrigation, fertilizer, etc.), plant patterns, and the related physiological and ecological characteristics. All these will be useful for designing strategies for sustainable production of high-yield maize across the world.

This Special Issue focuses on the key cultivation measures and the physiological and ecological characteristics of maize with a high grain yield. Original research articles about these topics will be accepted.





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## Message from the Editor-in-Chief

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