Special Issue

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

Message from the Guest Editor

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.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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