



Advanced Research of Perennial Grasses: Resilient Crops in a Multifunctional Agriculture

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Message from the Guest Editors

Dear Colleagues,

Agriculture is facing a wide range of challenges due mainly to climate change, rapid population growth and dietary habits, and emerging markets. In this context, the concept of multifunctional agriculture has emerged, as integrative strategies to increase the overall productivity of cropping systems. Perennial grasses (*Poaceae* or *Gramineae* family) have been identified as the most resilient crops to various abiotic stresses and the candidate feedstock for a number of different end-use applications.

This Special Issue addresses advanced progress on perennial grasses as a source of food, feed, fiber, fuel and ecosystem services, with the main emphasis on cultural practices to improve production under varying stress conditions. Replicated experiments, whether in open field or in controlled environments should be performed at least twice (at least two years or two locations) to account for environmental variations and/or genotype × environment interactions.

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Message from the Editor-in-Chief

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