



Rice Ecophysiology and Production: Yield, Quality and Sustainability

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Deadline for manuscript
submissions:

25 September 2024

Message from the Guest Editors

Dear Colleagues,

Rice serves as a staple food for approximately half of the global population. In light of a growing population and evolving consumer preferences, the rice industry faces the challenge of increasing grain production while ensuring better quality. Additionally, sustainable rice production necessitates efforts to enhance soil fertility and minimize environmental impact, including nutrient losses and greenhouse gas emissions.

Therefore, the objective of this Special Issue is to gather the most recent research studies that explore the synergies and trade-offs among yield, quality, and sustainability in rice production. We cordially invite original research, reviews, and opinion articles for submission. The papers may encompass a wide range of topics, including (but not limited to) those that are committed to the following: Investigating the physiological mechanisms that drive high yield, improve grain quality, and ensure high resource use efficiency; Advancing crop and soil management techniques that simultaneously enhance yield, quality, and sustainability; Exploring carbon and nutrient cycling in rice ecosystems to minimize environmental impacts.





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Message from the Editor-in-Chief

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