

Reactive Oxygen, Nitrogen and Sulfur Species in Plants

Production, Metabolism, Signaling and Defense Mechanisms

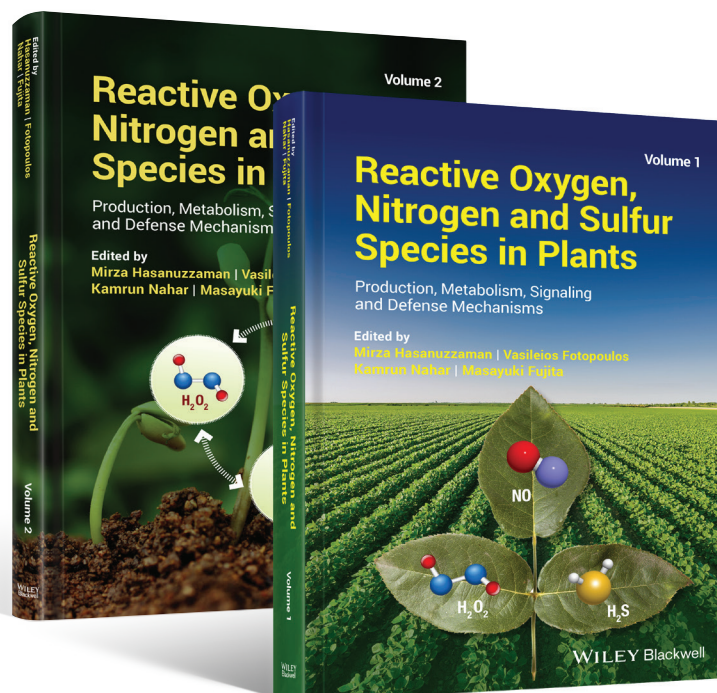
Plant Physiology/Crops

A multidisciplinary analysis of the integration among reactive oxygen species (ROS), reactive nitrogen species (RNS), and reactive sulfur species (RSS).

Since plants are the main source of our food, the improvement of their productivity is the most important task for plant biologists. In *Reactive Oxygen, Nitrogen and Sulfur Species in Plants: Production, Metabolism, Signaling and Defense Mechanisms*, 140 leading experts in the field of plant stress physiology, crop improvement, and genetic engineering present the recent development in the research on oxidative stress and approaches to enhance antioxidant defense system in crop plants. They discuss both the plant responses to oxidative stress and mechanisms of abiotic stress tolerance and cover all the recent approaches towards understanding oxidative stress in plants, providing comprehensive information about the topics. It also discusses how reactive nitrogen species and reactive sulfur species regulate plant physiology and plant tolerance to environmental stresses.

Readership:

Plant breeders, molecular biologists, plant physiologists, and students in the field of Plant Science.



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Reactive Oxygen, Nitrogen and Sulfur Species in Plants

Edited by *Mirza Hasanuzzaman, Vasileios Fotopoulos, Kamrun Nahar & Masayuki Fujita*

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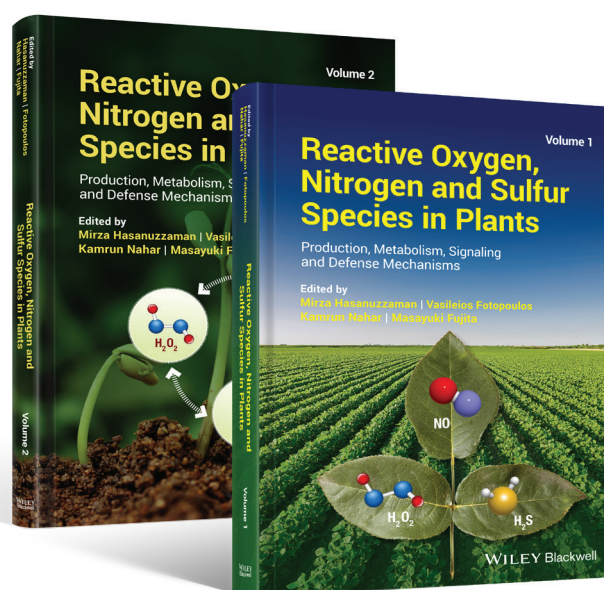
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