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Molecular and Physiological Basis of Abiotic Stress Tolerance II

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

During the last six decades, research has shown that abiotic stresses can negatively impact plant growth and development and reduce crop production by up to 70%. Global climate changes have compounded the effect of these stresses on crop productivity. Some plants are more tolerant to ‘stress’ while others are susceptible. Understanding the complexity of both molecular and physiological factors that contribute to stress tolerance in crops is essential for maintaining productivity for food, fibre, and fuel. The Special Issue, “Molecular and Physiological Basis of Abiotic Stress Tolerance,” will focus on the recent advancements in the role of ion channels, transporters, and signaling molecules and their contribution to tolerance to stresses such as salinity, drought, extreme heat and acid soils. We invite research articles and communications providing insights into different abiotic stresses.

Dr. Sunita A. Ramesh

Guest Editor



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

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