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Molecular Mechanism of Seed Germination under Different Environment Conditions

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Deadline for manuscript submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

Seeds are one of the basic resources for agricultural production, whose germination begins with imbibition and ends with radicle emergence. Successful germination with rapid and uniform seedling establishment is important for crop yield. Numerous studies have shed light on the molecular and physiological basis regulating seed germination in Arabidopsis and some crops. However, environments in the field are totally different from those in controlled lab conditions, as fields are coupled with multiple abiotic and biotic stresses. Knowledge about the molecular and physiological mechanisms underlying the environmental effects on germination has been lacking. The main purpose of this Special Issue, entitled “Molecular Mechanism of Seed Germination under Different Environmental Conditions”, is to compile the most recent discoveries on seed physiology, genetics, biochemistry and omics in response to biotic and abiotic stresses, with the aim of promoting research in the field of seed germination. We welcome original research papers, perspectives, opinions and reviews focused on this domain area.

Dr. Riliang Gu
Dr. Zhoufei Wang
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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