



Effective Methods for Improving Seed Germination and Seed Quality

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Deadline for manuscript submissions:

closed (30 June 2022)

Message from the Guest Editors

For this Special Issue, excellent review and original research articles dealing with various fundamental research aspects of seed germination and vigor as well as their implications on the agricultural and seed production sectors are welcomed. Manuscripts should address, but are not restricted to, the following topics:

- Genetic and epigenetic mechanisms controlling dormancy breaking and germination.
- Breeding approaches for enhancing seed germination and vigor.
- Ecological aspects of seed germination.
- Molecular, physiological, and metabolic mechanisms governing seed germination and response to invigoration treatments.
- Chemical, green, and biological-based seed treatments (priming, coatings, pelleting, biostimulants) to enhance seed quality.
- Effect of biotic and abiotic stresses on seed germination: prospects for the quest of new molecular targets for enhancing crop productivity under climate change.
- Maintenance of genome integrity: implications for seed vigor and longevity
- Developing new methodologies to assess seed quality and seedling establishment.
- Seed genetic and genomic resources.





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