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Genetic Mechanisms Related to Maize Seed Development

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Message from the Guest Editors

Dear Colleagues,

Maize (*Zea mays* L.), an important food crop, has rich genetic diversity that contributes to its adaptability and productivity. Understanding the genetic basis of seed development in maize is crucial for enhancing yield and nutritional value. The aim of this Special Issue is to promote joint discussion on the frontiers of research dynamics and find opportunities for collaboration in this field. We encourage you to submit research articles and comprehensive reviews exploring the complex genetic networks and processes that drive the development of maize seeds.

The scope of the research area for this Special Issue mainly includes:

1. Genetic and biological aspects of maize seed development;
2. Dehydration physiology of maize seeds during seed production;
3. Hormone regulation in seed development or seedling development;
4. Secondary metabolism during maize seed development;
5. Seed germination and seedling establishment;
6. Stress response during seed or seedling development.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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