Special Issue

Metabolic Responses of Seeds Development and Germination

Message from the Guest Editors

Seed development and seed germination are complex and highly coordinated developmental processes. Research on seed development and formation and seedling development (i.e., seed germination) can help us to better understand plant life activities and a provide theoretical basis to guide agricultural production. We plan on publishing a collection of papers to review the current understanding of metabolism in the seed life cycle, using metabolomics for basic research and practical applications.

This Special Issue is devoted to “Metabolic responses of seeds development”, and topics will include (but are not restricted to) the following:

(1) Biological and abiotic stress resistance;
(2) Crop seed metabolism;
(3) Metabolic Responses during seeds formation including flowering organ of anther, tassel, ear and silk etc.
(4) Hormone regulation in seed or seedling;
(5) Secondary metabolis

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Deadline for manuscript submissions

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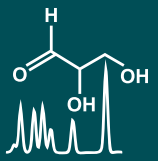

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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