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Plant Mitochondria

Guest Editor:

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Deadline for manuscript submissions:
closed (11 June 2018)

Message from the Guest Editor

Dear Colleagues,

The primary function of mitochondria is respiration, where catabolism of substrates is coupled to ATP synthesis via oxidative phosphorylation. In plants, mitochondrial composition is relatively complex and flexible and has specific pathways to support photosynthetic processes in illuminated leaves. Plant mitochondria also play important roles in a variety of cellular processes associated with carbon, nitrogen, phosphorus and sulfur metabolism. Research on plant mitochondria has rapidly developed in the last few decades with the availability of the genome sequences for a wide range of model and crop plants. Recent prominent themes in the plant mitochondrial research include linking mitochondrial composition to environmental stress responses, and how this oxidative stress impacts upon the plant mitochondrial function.

This Special Issue, Plant Mitochondria, will cover a selection of recent research topics and timely review articles in the field of plant mitochondrial research. Experimental papers, up-to-date review articles, and commentaries are all welcome.

Assoc. Prof. Dr. Nicolas L. Taylor
Guest Editor&a

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Special Issue

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Message from the Editor-in-Chief

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