



## Crop Adaptation to Elevated CO<sub>2</sub> and Temperature

Guest Editor:

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

The rising concentration of CO<sub>2</sub> in the atmosphere is resulting in global warming. Higher CO<sub>2</sub> and temperatures can have large and often opposing effects on crop yield. Earlier expectations that elevated CO<sub>2</sub> would protect plants from high temperature stress seem to be mostly unfulfilled. In order to feed the increasing global human population, we need to identify crop germplasm better adapted to these global changes. Because of the many interactions between CO<sub>2</sub> and high temperature on plant responses, independent study of plant response or adaptation to CO<sub>2</sub> or to high temperature is likely less productive than examining adaptation to the combination of these two factors. However, such research poses technological challenges, as well as biological.

Dr. James Bunce  
*Guest Editor*





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## Message from the Editor-in-Chief

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