



Special Issue on Plants in Extreme Environment

Call for Papers

Our planet has about 260,000 species or types of **plants**, which could be found every where on earth. Nowadays, some plants even go to space by Space Shuttle for further research. As environment presents lots of problems for plants, they have species-specific adaptation mechanisms to protect themselves from extreme environment conditions such as drought, salinity, high temperatures and so on. In response to these stresses, stress proteins, chaperones, specific metabolites and many other adaptation mechanisms play a significant role in survival. As great importance to plants growth, study on **plants in extreme environment** shows great value and interest to researchers.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **plants in extreme environment**. Potential topics include, but are not limited to:

- Extreme environment conditions
- Abiotic and biotic stress
- Adaptation mechanisms of plants
- Simultaneous adaptation
- Genome characteristics
- Stress proteins (LEA proteins, HSP, SP1, etc.)
- Model plants in extreme environment
- Space plants research
- Differences between plants and animals in extreme environment

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue - Plants in Extreme Environment**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	September 10th, 2014
Publication Date	November 2014



Guest Editor:

For further questions or inquiries
Please contact Editorial Assistant at
ajps@scirp.org