

Special Issue on
Abiotic Stress Biology of Economically Important Crops

CALL FOR PAPERS

Worldwide, abiotic or biotic stress changes the yield pattern of crop plants. Being subjected to comparatively homogenous selection conditions in field, the crop plants increasingly become more susceptible to natural stresses and their response towards stress changes. Plant breeding programs play a major role in modelling the stress phenotype of economic crops, which is performed against natural courses of selection and hence it is important to understand the stress biology of crop plants in isolation with their wild or natural varietal relatives or landraces. In recent years, several studies on the abiotic stress response of crops have been put forward. However, it has not been stressed upon enough how such responses are unique or tailored to the genetic background of crop domestication.

Our aim for this issue will be to attract submissions (original articles) that highlight the stress responses of economically important crops in isolation, especially in the field. Preference will be given to articles that consider geographical spread of crop wild species and varieties and comparison of stress responses between different field conditions. Root and shoot architecture, and phenotypic response parameter studies will be especially welcome. One-third of the issue will be covered by expert reviews that analyze current state of such research.

Potential topics include but are not limited to the following:

- ▶ Root and shoot architecture in field stress
- ▶ Yield characteristic as stress measurement
- ▶ Soil nutrient status change and its effect on yield
- ▶ Adaptation to heat, salinity, and water stress.
- ▶ Geographic spread of species
- ▶ Genetic background of crop domestication in relation to abiotic stress

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/ija/sbep/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Sonali Sengupta, Louisiana State University, Baton Rouge, USA
sonalisengupta2000@yahoo.co.in

Guest Editors

Arun Lahiri Majumder, Bose Institute, Kolkata, India
lahiri@jcbose.ac.in

Sudipta Ray, University of Calcutta, Kolkata, India
essar75@yahoo.co.in

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