



## Genotype× Environment Interactions in Crop Breeding

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Deadline for manuscript submissions:

**closed (30 April 2021)**

### Message from the Guest Editors

Dear Colleagues,

The History of Agriculture and, therefore, that of plant breeding, is the history of continuous adaptation. Genotype x environment interactions (GEI), leading to inconsistency of best-yielding material across environments, challenges plant breeders and complicates cultivar recommendation. The GEI occurs when, in a manner analogous to any other factorial experiment, the differences between genotypes depend on the environment in which they are tested. The presence of GEI represents an important challenge for the breeder as, it reduces the genetic advance of the programs by reducing the genotype-phenotype correspondence, and it also allows the identification of ecological niches for which certain genotypes can present specific adaptation. However, it may also offer opportunities, e.g. raising yields through material specifically adapted to a given area or crop management practice, or limiting yield reduction in unfavourable years through the cultivation of stable-yielding material.

For this Special Issue, we welcome original research articles on GEI that targets any agronomic trait of interest in crops with the aim of reaching a more sustainable agriculture.





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## **Message from the Editor-in-Chief**

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