Special Issue

Wheat Breeding and Agronomic Practices: Current Status and Future Prospects

Message from the Guest Editors

Generally, genotype–environment interaction (GEI) could be considered the differential response of genotypes to different cultivation environments. So, a genotype with superior performance to one environment could be inferior in another. GEI has contributed significantly to a significant yield increase (~10–50% in the last 50–80 years) for human consumption crops like maize, wheat, barley, etc., and could continue to contribute to increased productivity in the future. This Special Issue aims to exchange knowledge for the quantification, interpretation and detailed study of GEI using proper current tools and univariate/multivariate statistical models. This could: a) increase the genetic gain in plant breeding programs that become more international, b) make the selection of genotypes with wide adaptability less complicated and more effective, c) help in the recognition of the most relevant testing environments, d) contribute to the identification of erratic/special environments where genotypes with specific adaptability should be cultivated and e) help in the strategy that will be followed in the allocation of resources in a breeding program or farming system.

Guest Editors

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