



## From Allelic Diversity to $G \times E \times M$ Breeding Synergies in Cereals

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Deadline for manuscript submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Dear colleagues,

Agriculture faces daunting challenges in coming decades: growing population, loss of lands, diminishing resource availability, and climate change. Concurrently, there is growing recognition of the urgency to modify or adapt current cropping systems to ensure long-term sustainability. Cereal breeders thus face the complex challenge of increasing productivity, while reducing the environmental footprint of production.

Relatively few studies in cereals investigate the impact of crop management (M), including agronomy and cropping systems, on environment interactions ( $G \times E$ ). We argue that largely unexplored breeding opportunities to influence  $G \times E \times M$  lay ahead, complementing the current core-set of breeding targets in cereals.

We are looking for innovative research studies in major crops that explore  $G \times E \times M$  synergies. Relevant studies will integrate both breeding and management components and might describe novel features of varieties for sustainable cropping systems of the future.

Dr. Roi Ben-David

Dr. Kevin Pixley

*Guest Editors*





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## Message from the Editor-in-Chief

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