

## Special Issue

# The Genetic Basis for Seed Quality Traits in Legumes

### Message from the Guest Editors

The genetic basis for variation in legume seed components has been investigated over many years, but, with the increasing availability of genomic sequences, the overall control of seed storage product accumulation and the genes underlying many quantitative trait loci associated with variation might be deciphered. Genetic improvement in seed quality traits is being explored, including through modification of starch and protein type and amino acid profile, and through elimination or diminution of antinutrients, such as protease inhibitors, phytate, and vicine/convicine. The exploration of germplasm resources and the discovery and generation of novel allelic variation in candidate genes is underpinning these advances. In this Special Issue, articles (which may be original research papers, hypotheses, perspectives, reviews, or opinions) are invited on the genetics and genomics of seed quality traits in legume/pulse crops, related to nutrition and market preference; health promotion; the control of seed product accumulation, including amino acids and sugars; and the exploration and use of novel germplasm.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2020)



## Plants

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### Editor-in-Chief

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