



Dr Joseph Kanyugisha

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Abstract

Wheat (*Triticum* sp.) is one of the most important food crops worldwide. DI-, hexa- and hexaploid species are available, which along with the different subspecies of this genus have been used for food and feed. However, the genetic diversity of this crop has been seriously compromised, and only two main species; the durum and bread wheat, currently exist. The germplasm materials that were used in the past in Spain, have been regarded as ancient wheats, thus forming a group of neglected or unidentified crops that could be an interesting reservoir of variation for modern wheat breeding. In the last decade, our group has been evaluating and characterizing for the morphological and quality traits some of these Spanish ancient wheats. In these materials, using the SDS-PAGE technique and DNA sequencing, we detected an important

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in these ancient wheats, showing high protein content and resistance to diseases and pests. These results indicate that ancient wheats could be used with the aim of genetic improvement and breeding programs goal of TBRs (Trait Based Breeding) to modern wheat. •

Biography

Dr Joseph Kanyugisha M.D.,M.MED completed medical oncology residency training at the age of 34 years from Sorotzkin Oncology Institute, Hadassah Hebrew university teaching hospital-Jerusalem, Israel. He is currently carrying out a research study on how to detect and treat pre-active cancerous lesions. He has made massive cancer disease sensitization and awareness since 2013 with regular article publications about cancer challenges and management in the media newspapers. He is currently working out his final clinical study experiment.

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