



Advanced Genetic Technology Application towards the Improvement of Agricultural and Food Product Quality

Guest Editor:

Prof. Dr. Robert Henry

1. Queensland Alliance for
Agriculture and Food Innovation,
University of Queensland,
Brisbane, QLD 4072, Australia
2. ARC Centre of Excellence for
Plant Success in Nature and
Agriculture, University of
Queensland, Brisbane, QLD 4072,
Australia

Deadline for manuscript
submissions:

closed (31 May 2019)

Message from the Guest Editor

Dear Colleagues,

Global nutritional security requires that we do more than produce the required quantity of food, and demands that we also ensure that food products meet the needs of human consumers and delivers nutrition that supports healthy human populations. Advances in genetic technology are enabling new approaches to the improvement of agricultural and food products. Rapid advances in DNA sequencing technology have delivered high quality genome sequences for crop plants. This has contributed to significant advances in knowledge of the molecular basis of food and agricultural product quality. This new knowledge base supports breeding selection for quality using molecular tools and genetic manipulation of quality using advancing gene editing tools.

This Special Issue will feature reports of advances in understanding of quality traits, development of molecular tools for quality selection and manipulation and development of food products with novel quality traits. Importantly, efficient selection for quality may remove this constraint to genetic gain in crop yield.

Prof. Robert Henry
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi