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

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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*







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Message from the Editor-in-Chief

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