Special Issue

Application of In Vitro Technology to Improving the Yield and Quality of Common and Alternative Crops

Message from the Guest Editor

In vitro culture-based techniques became valuable tools in basic and applied research and found practical applications. In vitro cultures are also expensive and laborious. Therefore, further research on in vitro technology is still needed as it is essential not only in the case of common crops but also in alternative crops. The latter can be beneficial for small farms in the context of climate change and in sustainable agriculture.Papers on various aspects of in vitro cultures for common and alternative crops will be warmly welcomed:
Optimization of long-term storage and micropropagation of common and alternative crops;
Micropropagated plants as a source of propagules in conventional propagation;
Early detection of and prevention of the formation of somaclonal variants;
Improvements to the health status and quality of micropropagated plants (in vitro therapy, biotization);
Genetic improvement of crops with the application of in vitro techniques combined with other conventional and biotechnological tools;
Detection of the relationship between in vitro technologhies and the field performance of crops to improve in vitro selection.

Guest Editor

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