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Application of Computer Vision on Quality Monitoring of Agricultural Products

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

This Special Issue is part of the activities of the CIGR Working Group on Image Analysis for Agricultural Processes and Products. The implementation of advanced and competitive technology in machine vision and image processing applied to processes in agriculture allows a modern production and efficiency by increasing automation. Artificial vision systems allow the development of control and monitoring tools in regions of the electromagnetic spectrum that are invisible to the human eye, can penetrate into the tissues, and allow inspecting products at a high speed that would otherwise not be possible. There is a need to develop new methods, systems, and algorithms capable of dealing with the large amount of information provided by these systems, and to create innovative developments that can be transferred to the industry. The scope of this Special Issue includes innovative scientific contributions using imaging technologies sich as fluorescence, near infrared, color, real-time, multispectral, hyperspectral and thermal imaging, X-rays, and magnetic resonance imaging for automatic quality monitoring of agricultural products.

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Message from the Editor-in-Chief

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