

Special Issue

Image Analysis Techniques in Agriculture

Message from the Guest Editors

In modern agriculture, the main emphasis is placed on the development of precise tools supporting all activities related to food production. Increasing attention is now being paid not only to the quantity but also, and above all, to the quality of agricultural products, as well as to waste and its characteristics. Computer image analysis, which in many respects supports precision farming, is becoming a widely used tool. It should be mentioned that the quality of individual products, such as cereals, vegetables, and fruits, should be assessed, but it is also possible to assess the condition of a field and plantation. These tools have an advisory function and in many cases are able to prevent losses to the agricultural producer. The 21st century is a century of information, including information encoded in graphic form, most often in the form of a digital image. Appropriate acquisition of material, and then determination of characteristics and production of methods that will directly or indirectly support the agricultural production, e.g., in the aspect of plant protection, etc. belongs among the broad interests of modern Agriculture 4.0.

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