

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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Deadline for manuscript submissions

closed (30 November 2021)



Agriculture

an Open Access Journal
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Impact Factor 3.3
CiteScore 4.9



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Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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