Special Issue

Machine Vision Solutions and AI-Driven Systems in Agriculture

Message from the Guest Editors

This Special Issue, "Machine Vision Solutions and AI-Driven Systems in Agriculture", focuses on the transformative synergy between machine vision and artificial intelligence (AI) in advancing agricultural practices. This includes employing machine vision to identify animal behaviours for enhanced livestock monitoring. Additionally, it investigates the integration of AI-driven systems in the creation of, e.g., early-warning mechanisms for livestock health, thus demonstrating the potential to predict and prevent diseases or problems. Authors contributing to this Special Issue will illuminate the profound impact of these technologies on agriculture, showcasing innovative approaches that utilize machine vision and AI for improved efficiency, sustainable practices, and proactive disease management.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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