

Special Issue

Modeling of Livestock Breeding Environment and Animal Behavior

Message from the Guest Editor

With the rapid development of precision livestock farming and continuous advancements in technology, livestock production faces an ongoing need for optimization, particularly in intelligent management and environmental modeling. From a technical standpoint, this involves the development of animal behavior detection systems, disease warning systems, and the application of farming robots and deep neural network algorithms. These technological solutions significantly enhance production efficiency, optimize resource allocation, and reduce costs. Therefore, accurately assessing environmental stressors through intelligent systems is crucial to ensure that animals live in optimal conditions. By leveraging smart solutions, we can not only maximize production efficiency, but also ensure that animals enjoy healthy and comfortable living environments.

This Special Issue will feature interdisciplinary research from the disciplines of animal science, veterinary science, and agricultural engineering. Any type of article, including original research, opinion pieces, and reviews, is welcome.

Guest Editor

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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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