

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

Dr. Longshen Liu

College of Artificial Intelligence, Nanjing Agricultural University, Nanjing 210031, China

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Message from the Editor-in-Chief

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Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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