Special Issue

Innovative Technology in Livestock Production

Message from the Guest Editors

Recent livestock production technology has guaranteed that large datasets can be retrieved from the individual or grouped animals' movement, behavioral interactions, vocalizations, and physiological responses. The present Special Issue's aim is to encourage progress towards using new technologies in farm animal production. The main objectives are the application of new technologies in livestock production; the use of automation in animal management and monitoring; the use of simulation, optimization, and modeling; decision support systems applied to livestock farming; computer vision and image processing; precision animal production; the use of the internet of things (IoT) and cloud computing in animal monitoring; development and applications of artificial intelligence (AI) in livestock management; and the use of machine learning in animal production and management. We encourage the use of new concepts and ideas to drive engineering solutions to optimize ongoing and future farm livestock operations. For further reading, please visit the Special Issue website.

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Deadline for manuscript submissions

closed (1 July 2022)

AgriEngineering

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.7

mdpi.com/si/72516

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