

Special Issue

Engineering Solutions in Domestic Animals Ethology Monitoring

Message from the Guest Editors

Engineering solutions for monitoring domestic animal ethology are transforming animal husbandry by enabling fast, reliable, and sustainable production of high-quality products while ensuring economic viability. Integrating animal science with advanced engineering supports welfare, optimizes production, minimizes environmental impacts, and maximizes profitability. Today, breeders face growing challenges from climate change, rising costs, and demanding markets, making innovative solutions more critical than ever. Cutting-edge technologies—including artificial intelligence, sensor and image processing, thermal imaging, automated housing systems, and breeding automation—are driving the next generation of animal management. This Special Issue showcases high-quality research and reviews on practical applications of ethology monitoring, promoting deeper understanding, faster implementation, and real-world impact in modern animal husbandry.

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Message from the Editor-in-Chief

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