

Special Issue

Recent Advances in the Diagnosis, Pathogenesis, and Control of Metabolic and Immunological Diseases in Cattle

Message from the Guest Editors

Metabolic and immunological disorders represent major health and productivity constraints in cattle production, posing significant challenges to animal welfare, farm profitability, and the long-term sustainability of livestock systems. In recent years, the adoption of advanced technologies, including precision agriculture and smart farming approaches, has greatly enhanced our capacity for the disease monitoring, early diagnosis, and effective health management of livestock. Emerging tools, including omics technologies, data-driven decision-making, and, to a limited extent, artificial intelligence (AI), offer new possibilities for enhancing the prevention and control of cattle diseases. This Special Issue invites high-quality research contributions that address the diagnosis, pathogenesis, epidemiology, and control of metabolic and immunological disorders in cattle, including, but not limited to, ketosis, fatty liver, hypocalcemia, mastitis, and immune dysfunctions. By advancing knowledge in these areas, and by encouraging innovative yet practical solutions, this Special Issue aims to contribute towards healthier, more resilient, and sustainable cattle production systems.

Guest Editors

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Deadline for manuscript submissions

31 January 2026



Veterinary Sciences

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 3.5
Indexed in PubMed



mdpi.com/si/247625

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About the Journal

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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