Special Issue

Advancing Livestock Production: Management Strategies and New Technologies

Message from the Guest Editors

This Special Issue brings together cutting-edge research and innovative approaches aimed at transforming the livestock sector through improved management practices and the integration of emerging technologies. As global demand for animal products continues to rise, there is an urgent need to enhance productivity, sustainability, and animal welfare while minimizing environmental impacts. The articles collected in this Special Issue will cover a wide range of topics, including precision livestock farming, advances in nutrition and health management, and the application of digital technologies such as artificial intelligence, sensors, and big data analytics. This Special Issue will also explore strategies for improving resource efficiency and adapting livestock systems to climate change. By presenting interdisciplinary research and case studies on a diverse and global set of production systems, this Special Issue will offer valuable insights for researchers, practitioners, and policymakers dedicated to advancing the efficiency, resilience, and sustainability of livestock production in the 21st century.

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