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Advances in Omics to Enhance Livestock Production

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Deadline for manuscript submissions:

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Message from the Guest Editors

With the growing human population expected to reach 9.7 billion by 2050, we are facing increasing pressure on global food supply chains. Economic growth in developing countries is further increasing the demand for higherquality and more diverse food products, including animalbased products. To address this challenge, innovative technologies are essential to help improve livestock productivity and quality. Omics technologies, including transcriptomics. genomics. proteomics. metabolomics, have been used and continue to show their potential in understanding the genetics and molecular pathways driving economically important traits such as animal growth, fertility and product quality. Additionally, with the help of advancements in bioinformatics and machine learning technologies, the integration of large omics datasets will become more efficient for precise breeding strategies, optimising animal growth rate and meat quality. We kindly invite researchers to contribute their original research papers, reviews, and short communications to this Special Issue.







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Editor-in-Chief

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Message from the Editor-in-Chief

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