



Animal Nutrition and Dairy Science: In Search of Precision Farming and Sustainable Agriculture

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, we have witnessed the intense promotion of precision livestock farming (PLF) technologies, which hold the promise of revolutionizing the way we breed dairy cattle and sheep. “Agriculture 4.0” describes both the inside and outside communication of farm operations, which implies the presence of digital information in virtually all farm activities. Agriculture 4.0 facilitates this digital transformation of primary production by handling a massive amount of data via Internet-based interfaces. In fact, Agriculture 4.0 is laying the groundwork for the following stage of agricultural development, which will include automated decision-making systems and operations. A central computer controls machinery connected to the internet as part of smart farming, which uses cloud computing and the Internet of Things (IoT) to improve productivity and the quality of products. These days, there are affordable, effective, and powerful tools available thanks to recent technical advancements. These include devices and services such as cameras, microphones, sensors, wireless networking gear, web access, and cloud storage.





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Message from the Editor-in-Chief

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