



animals



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Rethinking Animal Production through Precision Livestock Farming

Guest Editor:

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Deadline for manuscript submissions:

closed (31 March 2024)

Message from the Guest Editor

In the last decade, engineering advances and decreasing costs of the new electronic technologies have allowed the development of many sensor-based solutions for the livestock industry. These sensors are able to collect data automatically and in real time, enabling the early detection of specific problems: measuring variables, modelling the data to select information, and then using these models in real-time for monitoring and controlling the animals. There is general agreement that PLF systems are an opportunity to improve the profitability and sustainability of livestock farms. It is necessary to record a dramatic change in the approach of the animal supply chain caused by the climate emergency and the ecological transition that is happening very rapidly simultaneously with the pandemic emergency. This new perspective changes the needs and demands in the animal supply chain, with further effort in the fields of environmental sustainability, animal welfare, and consumer acceptance. Original manuscripts that address developments of this new perspective bring out new problems or themes and propose new solutions in the application of the PLF in the animal supply chain are welcome.



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Special Issue



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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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