

Special Issue

Precision Livestock Farming: New Techniques for Monitoring the Behaviour and Welfare of Farm Animal—Second Edition

Message from the Guest Editors

Welfare is an inherent quality of animals that is difficult to understand. If animals are well, they will be in good health, and will express natural behaviors and their full genetic potential in production. Over the years, industrial production systems have guaranteed adequate food, shelter, safety, and health for animals; however, they have neglected important conditions for well-being, such as space to express natural behaviors. Monitoring animal behavior is an arduous task for humans. By monitoring behavior, we can obtain important information about the welfare of animals. The increased capacity and processing speed of modern computers has made it possible to analyze large volumes of varied and disorganized data, develop complex multivariable models, and implement autonomous monitoring systems that record and analyze signals from sensors installed on a farm. This expanded capacity to study animals in the production environment has made it possible to expand our knowledge about the behavior and well-being of production animals.

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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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