

Special Issue

Biotechnology in Animals' Management, Health and Welfare 2019

Message from the Guest Editors

Synergy between the fields of engineering, medicine, and biology has led to the rapid development of extremely sophisticated and complex monitoring systems, with highly efficient algorithms for signals analysis. These new technological tools are becoming strongly useful in different fields of human clinical practice, with evident advantages in terms of comfort (non-invasiveness), efficiency, and ease of use. The main aim is to improve the monitoring of physiological and behavioral parameters in order to accurately assess the emotional and health state of subjects. Moreover, in this age of strong global competition, sustainable production carried out by farms needs to be strongly improved, both in terms of efficiency and animal welfare. In this context, real-time monitoring of physical, physiological, and mental health of animals using both “ready to use” technologies and ad-hoc dedicated systems, directly applicable to every day practice by farmers and technicians, is the most demanding and promising challenge to deal with.

Guest Editors

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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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