



animals



an Open Access Journal by MDPI

Data-Mining Methods Applied to Livestock Management

Guest Editors:

Prof. Dr. Wilhelm Grzesiak

Department of Ruminants
Science, West Pomeranian
University of Technology,
Szczecin, Poland

Dr. Daniel Zaborski

Department of Ruminants
Science, West Pomeranian
University of Technology,
Szczecin, Poland

Deadline for manuscript
submissions:

closed (20 May 2023)

Message from the Guest Editors

I would like to cordially invite you to share your ideas, achievements, and discoveries, in which an important role was played by the application of data mining (DM) methods to widely understood livestock farming in a special issue of the *Animals* journal. The use of DM methods in this particular field is associated with the appearance of fast and capacious computers and the collection of large quantities of data on modern farms by different types of sensors. Many such methods have been developed to solve complex problems in animal breeding, e.g., artificial neural networks (ANN), decision trees, naïve Bayes classifier (NBC), support vector machines (SVM), *k*-means clustering, *k*-nearest neighbor algorithm, multivariate adaptive regression splines (MARS), etc. These methods, applied to large data sets, often produce better results than classical statistical approaches. With the use of these methods, which practically do not have serious limitations, various problems can be resolved, although the lack of solutions and exciting results also provides important information for researchers, involved in similar projects.



mdpi.com/si/139569

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia

2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)