Special Issue

Data-Mining Methods Applied to Livestock Management

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.

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Deadline for manuscript submissions

closed (20 May 2023)

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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