

Special Issue

Horse Breeding and Genetics

Message from the Guest Editors

Dear Colleague, Little attention is generally paid to topics as horse genetic improvement and genomics, despite worldwide many horses breeds have been selected over time for traits like speed, gaits, jumping performances, strength, or for more conventional traits like morphology or temperament. Most breeds are small populations with high levels of inbreeding and homozygosis, requiring appropriate breeding management. Breeding decisions should include novel traits as fertility, longevity and health, as well as the implementation of genomic selection. New approaches including gene networking and “omics-science” could be of interest for analyzing breeds genetic diversity, or for a deep knowledge on gene functionality. We hereby are glad to invite authors to submit original manuscripts addressing any topic of interest on horse breeding and genetics, including: genetic improvement of novel and traditional traits, genetic correlations and response to selection; genomic selection, genome wide association studies, pathway analyses on traits; genetic diversity, optimal contribution selection, characterization of horse genome variation, gene functionality.

Guest Editors

Dr. Cristina Sartori

Department of Agronomy, Food, Natural Resources, Animals & Environment, Università di Padova, Legnaro, PD, Italy

Prof. Dr. Roberto Mantovani

Department of Agronomy, Food, Natural Resources, Animals and Environment (DAFNAE), University of Padova, Viale dell'Università 16, 35020 Legnaro, Padova, Italy

Deadline for manuscript submissions

closed (15 May 2020)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/32182

Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



About the Journal

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.

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

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)