

Special Issue

Advances in Genetic Variability and Selection of Equines

Message from the Guest Editor

Advances in genetics have enabled new insights into genetic variability, gene conservation, and evaluations of selection responses in horses. Applications of new methods and software to maintain genetic variability of native and commercial breeds could provide new insights. The inclusion of new technology during the selection of livestock species could also support breeders in improving their breeding programs and give relevant information during the selection process. Important topics of study in this field include population genetics, molecular genetics, biodiversity, selection against genetic disorders, and understanding the inheritance of complex traits. The application of precision livestock farming in selection may also enhance genetic progress. The aim of this Special Issue of *Animals* is to collate the latest advances and insights from the fields of population genetics and selection methods of horses. We strive for this Special Issue to contribute to a better understanding of the genetic variability of endangered populations and commercial breeds, as well as provide new approaches to maintaining genetic variability and selection progress in horses.

Guest Editor

Dr. János Posta

Department of Animal Husbandry, Institute of Animal Science, Biotechnology and Nature Conservation, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, H-4032 Debrecen, Hungary

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

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About the Journal

Message from the Editor-in-Chief

Animals is an international, peer-reviewed, open-access journal established in 2011 and published semimonthly online by MDPI. The journal is dedicated to high-quality research across a broad range of animal-related disciplines, including zoology and veterinary sciences, and upholds rigorous peer-review and editorial standards to ensure the publication of impactful work. Indexed in the Science Citation Index Expanded (SCIE) within Web of Science, *Animals* has a 2025 Impact Factor of 3.2 (ranks 13/87 (Q1) in 'Agriculture, Dairy & Animal Science'; 15/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.5.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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