

Special Issue

Evolution of Genetic Diversity in Domestic Animals

Message from the Guest Editor

Genetic diversity within breeds, plays a key role in the sustainability of animal breeding through the conservation of breeds. It acts at three time scales: i) short-term, through the expression of inbreeding depression with potential strong deleterious effects on both performance and fitness traits, ii) middle-term, through the maintenance of additive genetic variance and subsequent genetic gain toward selection goals, and iii) long-term, allowing adaptation to new, potentially harsh, environments (climate change, pathogens, free-range agriculture...). We invite original research papers that address the question of genetic diversity in domestic animal populations. This could involve the fine characterization of genetic diversity and its evolution in response to breeding conditions or the environment. We are also interested in papers helping to refine our knowledge on the management and use of genetic diversity through real data or simulation studies. Additional topics include opinion papers about the use of genetic resources not only from a genetic perspective but also from a policy perspective, with particular emphasis on stakeholders.

Guest Editor

Dr. Gwendal Restoux

Université Paris-Saclay, INRAE, AgroParisTech, GABI, 78350, Jouy-en-Josas, France

Deadline for manuscript submissions

closed (31 December 2021)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.5
Indexed in PubMed



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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 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. 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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