



animals



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Genetics and Genomics of Livestock Health, Fertility and Product Quality

Guest Editor:

Prof. Dr. Michael E. Davis

Department of Animal Sciences,
The Ohio State University,
Columbus, OH 43210, USA

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Message from the Guest Editor

Dear Colleagues,

The global population is expected to approach 10 billion by the year 2050, while the economic status of people in developing countries will continue to improve. As a result, it is anticipated that the worldwide demand for animal products will increase by 70% by 2050. Increasing animal production will require a deep understanding of animal biology through genetics and genomics to feed the world's growing population. Furthermore, consumers desire high quality products for consumption. At the same time, farmers need to combat diseases in the face of increased antimicrobial resistance and pressure from consumers and regulators to minimize the use of antibiotics. Genetics and genomics will play key roles in increasing the efficiency of production systems. Genetic selection and innovations must target animal production, product quality, reproduction, health, and welfare such that a high-quality, safe, healthful, and affordable food supply is available to everyone around the world. Genetics and genomics papers that address these important topics are welcome in this Special Issue.

Prof. Dr. Michael E. Davis

Guest Editor



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Special Issue



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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.

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Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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