

Special Issue

Genetic Analysis of Important Traits in Domestic Animals

Message from the Guest Editor

The genetic analysis of the desirable traits of domestic animals plays a crucial role in understanding the underlying genetic mechanisms and developing targeted breeding strategies to improve animal health, welfare, and performance. We invite researchers to contribute their works to this Special Issue. Topics of interest include, but are not limited to, the following:

- Identification and characterization of genetic variants associated with important traits in domestic animals, including livestock, companion animals, and agricultural species
- Genomic selection and marker-assisted breeding strategies for improving important traits in domestic animal populations
- Functional genomics approaches to elucidate the molecular mechanisms underlying important traits
- Integration of multi-omics data to gain a comprehensive understanding of the genetic architecture of important traits
- Genomic technologies and bioinformatics tools for efficient analysis of large-scale genomic data in domestic animals
- Ethical considerations and societal implications of genetic analyses in domestic animals

Guest Editor

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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.

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