

Special Issue

Companion Animal Genetics

Message from the Guest Editors

The small number of foundation breeding stocks, strict selection of males and females at each generation, popular sire effect and effects of linebreeding and inbreeding have led not only to the development of homogenous domestic breeds, but also to an increasing number of animals affected by inherited diseases, especially recessive diseases. For this Special Issue, we invite original research papers on companion animal (e.g., dogs, cats, ferrets, rabbits, guinea pigs, birds, horses) genetics, including molecular characterization of morbid or interest traits, association or linkage studies, whole-genome or exome sequencing assays and genotype–phenotype correlation studies that address the genetic or biological mechanisms underlying Mendelian or complex (quantitative) traits, to give insight into the etiology and impact of genetic disorder or interest traits so as to explore opportunities for health and welfare improvement in companion animals.

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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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