

Special Issue

Genetics and Breeding in Dogs: From Biodiversity to Pathology

Message from the Guest Editors

The last few decades have seen incredible advances in the field of genomics, with the development and enhancement of genomic technologies and an increasing interest of the research in this area. The first dog genome sequence assembly was released only three years after the human one, in 2004, and since then, researchers have had the opportunity to shed light on their evolution, domestication, biodiversity, and health. Therefore, we are pleased to invite you to submit original research in the field of dog genetics, aimed at the investigation of the heritability and/or the genomic regions associated to pathologies, behavior, or other interest traits (coat colors, morphological traits, breed specialization, etc.); the evaluation of the genetic diversity of populations, either local or internationally diffused; and the study of domestication and breed development and history. This will increase knowledge about the genetic mechanisms underlying morbid and interest traits, thus contributing to dog welfare. Moreover, studying the history and the genetic diversity of the breeds and populations would be of help in their management and conservation.

Guest Editors

Prof. Dr. Luigi Liotta

Prof. Dr. Paola Crepaldi

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Deadline for manuscript submissions

closed (15 August 2023)



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About the Journal

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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