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Animal Domestication and Breeding

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Domesticated animals differ from their wild ancestors in many ways, genome biology has started to unveil domestication-related signals in their genomes. The most common livestock and companion species, associated with living in close proximity to humans, their genomes also harbor more recent changes linked to selective breeding and breed formation. Continuous selection for traits of interest, in combination with modern breeding techniques, have produced animals which better serve human needs but not without tradeoffs.

A growing number of urban populations of wild species are currently adapting to living in human dominated environments. These populations, together with populations of species which have been domesticated experimentally, provide an opportunity to give insight into the genetics of domestication-related traits. This Special Issue welcomes papers related to genetics of animal domestication, animal breeding, selection, and adaptation to novel environments.



mdpi.com/si/81811

Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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