



animals



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Ancient and Modern DNA for Diversity and Domestication of Animals

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Message from the Guest Editor

Over the past millennia, farmers have managed their livestock in a sustainable way; however, over the last two centuries, selective pressures have increased to produce hundreds of well-defined breeds with desirable traits, leading to the loss of highly valuable farm animal genetic resources. The maintenance of genomic diversity is vital for selection and genetic improvement strategies, adaptation to environmental changes and pathogens, and population conservation. Therefore, comparative genomic studies on ancient and modern specimens are particularly important to reconstruct the process by which animals entered domestic relationships with humans and were subjected to novel selection pressures. With such genomic information, we can recognize and restore marginal and rare breeds and improve the genetic diversity in industrial breeds. The main goal of this Special Issue is to cover studies investigating past and present genomic diversities and biological consequences of domestication, particularly, but not only, in major farmed species and companion animals.



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Special Issue



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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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