Sustainable Future: Genetics and Breeding of Indigenous Breeds of Livestock

Guest Editor:

Prof. Dr. Shanyuan Chen
School of Ecology and Environmental Science, Yunnan University, Kunming 650500, China

Deadline for manuscript submissions:
closed (31 January 2024)

Message from the Guest Editor

Despite extensive efforts that have been made to protect indigenous breeds of livestock species worldwide, the loss of indigenous livestock breeds around the world remains ongoing, as demonstrated by the UN's Food and Agriculture Organization. For the sustainable use of these local livestock genetic resources, it is urgently needed to explore and identify their genetic characteristics using cutting-edge methods including high-throughput phenotyping and genotyping technologies.

Unsurprisingly, there are a few successful examples of the sustainable use of indigenous livestock breeds. One way out of such awkward situations is to use indigenous livestock breeds as one parent for developing composite new breeds. This is the case for Yunnan native cattle and goats, which were used to crossbreed with other commercial breeds, and final, new composite breeds were developed: Yunling cattle and Yunshang Black goats. Although further studies are needed to identify and quantify the advantageous combinations of mosaic genomes in such composite breeds, this method highlights one of the most important ways to protect and maintain indigenous livestock breeds.

Special Issue

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips
1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.
Journal Rank: JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q1 (*General Veterinary*)

Contact Us