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## Genomics and Proteomics in Animal Science: Development of Comprehensive Biomarkers as Indicators of Biological Processes and Physiological Health Status

Guest Editor:

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Deadline for manuscript submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

High-throughput omics technologies are powerful technologies that are often implemented in domestic animal species, allowing them to uncover regulatory genes and gene networks related to complex phenotypes, including livestock performance traits. Genomics and proteomic studies may also have an economic impact and prevent adverse health changes. Furthermore, particular biomarkers applied in diagnosing and treating disease can also be the comprehensive indicators for current animal health status.

The Special Issue aims to present the latest work results on basic and applied research that can directly impact animal health and welfare, the economy of animal production, and what is lastly rising as the most crucial matter, the production of safe, healthy food for the consumer. Especially desirable are articles describing the implementation of modern molecular technologies in animal sciences to identify markers and biomarkers for monitoring biological processes and animal health status.

We invite contributions of original research papers and review articles on domestic animals, especially in fields such as genomics, transcriptomics, proteomics, and epigenomics.



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# Special Issue



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## Message from the Editor-in-Chief

*Animals* is an online open access journal that was first published in 2011. *Animals* adheres to rigorous peer review 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 welfare, animal ethics and animal science. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science and received the latest Impact Factor of 3.231. The journal ranks 16/144 (Q1) 'Veterinary Sciences' and 13 /62 (Q1) in 'Agriculture, Dairy & Animal Science'.

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