

# Special Issue

## Biomarkers Involved in Meat and Milk Yield, Composition and Technological Properties in Livestock Species

### Message from the Guest Editor

Sustainable livestock production requires high efficiency, respecting the environment and animal welfare, to offer the consumer a quality product. Many advancements have been made in recent decades, but these have not always been tracked by the same results in all the different species. To optimize production, it is fundamental to use all the available knowledge in order to set up the most appropriate management strategies.

This Special Issue will gather information about biomarkers involved in meat and milk yield, composition (including protein and lipid contents and fatty acid composition), and technological properties (including meat processing and milk transformation into cheese or any other dairy processing). Livestock species of interest in this context are cattle, goat, sheep, buffalo, donkey, camel, etc. Biomarkers include genomic elements such as SNPs, indels, CNVs and any genomic regions associated with the mentioned milk traits, and transcriptomic and proteomic elements, such as transcription factors involved in signaling pathways coordinating milk protein synthesis, as well as microRNAs; metabolomic elements indicators of meat and milk quality are also accepted.

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### Guest Editor

Dr. Maria Luisa Dettori

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### Deadline for manuscript submissions

closed (30 November 2019)



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## About the Journal

### 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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### Editor-in-Chief

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2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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