

# Special Issue

## Livestock and Poultry Metabolomics

### Message from the Guest Editors

From the 2000s, metabolomics approaches have been useful for identifying and quantifying a large number of small endogenous and exogenous metabolites from biological samples in the animal production and veterinary medicine fields. Metabolomics is a tool that can be applied to a wider range of disciplines for livestock and poultry research as well as for husbandry and medical practices, helping scientists, veterinarians, farmers, and other animal industry players. In this Special Issue, we intent to aggregate new scientific information related to the following (non-exclusive) key topics in livestock and poultry: biomarkers (in general); food and nutritional analysis/assessment; breeding traits and animal fertility; disease mechanisms; disease propensity; disease diagnosis; diagnostic laboratory testing; animal health assessment; toxicology, including xenobiotics; drug pharmacokinetics and pharmacodynamics; environmental factors or impacts; bioproduct characterization; milk quality; meat quality; and carcass merit assessment. We invite the global scientific community to contribute with basic and applied research, reviews, and meta-analyses in order to reach this goal.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2023)



## Animals

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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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### Editor-in-Chief

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