

# Special Issue

## RNA-Sequencing Technique in Animals Research

### Message from the Guest Editor

The goal of this Special Issue is to highlight holistic and in-depth analyses on different molecular layers between genotype and phenotype for farm animals. Potential topics should be limited to the areas of genomics (coding and non-RNA), functional genomics, transcriptomics, proteomics, genome-wide association studies and epigenetics.

With this Special Issue, we welcome original research and review articles promoting discussion on:

Screening of candidate genes and genetic variations for important economic traits in livestock and special animals.

Epigenetic variation and trait-associated expression of mRNA and miRNA for the characterization of regulatory networks in animals.

Molecular genetic basics of interaction of performance and stress response in livestock.

Molecular mechanisms regulating skeletal muscle and adipose tissue development.

Sequencing of exosome-derived ncRNA and proteome.

Besides investigations on farm animals and special animals, model organisms and cell cultures are suggested.

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### Guest Editor

Prof. Dr. Runjun Yang  
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### Deadline for manuscript submissions

closed (31 July 2022)



## Animals

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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

Prof. Dr. Clive J. C. Phillips  
Curtin University Sustainable Policy (CUSP) Institute, Curtin University,  
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