

## Special Issue

# Omics Analysis in Veterinary Medicine and Animal Science

### Message from the Guest Editors

Omics methodologies (genomics, transcriptomics, metabolomics, and proteomics) have become important tools in veterinary medicine and animal sciences. These experimental approaches have the potential to lead to new basic and applied understandings of biological processes in animals to improve animal health, welfare and the quality of food animal products either directly or by generating new hypotheses and ideas for hypothesis-driven research. Genomics, for instance, has revolutionized how we make genetic associations with phenotypes of interest, from production traits to animal health, host–pathogen interactions and disease resistance, while proteomics in veterinary and animal science is an evolving field which holds a great promise not only for fundamental and applied discoveries regarding the biology and pathology of animals, with particular emphasis on (but not limited to) domestic species, but also in all aspects related to zoonoses, with an ever growing impact on human health.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2022)



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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