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Metabolic and Endocrine Responses to Stress and Disease in Animal Production

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Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editors

Dear Colleagues,

We are delighted to announce a Special Issue of the high-ranking journal *Metabolites* that is focused on metabolic and endocrine changes as responses to stress and diseases during animal production.

Stress and diseases during animal production trigger numerous metabolic and endocrine responses influencing animal growth and performance, the quality of products of animal origin, and animal welfare as well. In addition, these changes could have a great impact on public health, giving further importance to a One Health approach.

You are warmly welcome to submit a research article or a review paper relevant to the scopes of this Special Issue, which will highly contribute to improving the knowledge on an intrigued metabolic network during stress and diseases in animal production. Different novel techniques, including proteomics and metabolomics, could offer better understanding of complex metabolic pathways in different organs the including liver, adipose tissue, and mammary glands; host–pathogen interactions; the environmental impacts on animal production; and the influence of animal production on human health.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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