

Special Issue

Metabolic and Endocrine Responses to Stress and Disease in Animal Production

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2024)



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Impact Factor 3.7
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About the Journal

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.

Editor-in-Chief

Dr. Amedeo Lonardo

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JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).