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# Molecular Mechanism of Lipid Metabolism in Periparturient Animal Liver

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Deadline for manuscript submissions:
**31 August 2024**

## Message from the Guest Editors

Physiological events in gestation, parturition, and lactation, together with the changes in environment and feeding practice, commonly place animals into negative energy balance and metabolic stress in the periparturient period, causing suboptimal health status and a series of diseases. Due to the imbalance between excessive fat mobilization and insufficient ability to remove fat, the occurrence of fatty liver is a prominent metabolic disorder in many periparturient animals, seriously affecting the normal functions of liver and other organs. Therefore, clarifying the mechanisms of fat synthesis, transport, metabolism and other related processes in periparturient animals is of great significance for improving animal health and production performance.

This Special Issue of *Metabolites*, "Molecular Mechanism of Lipid Metabolism in Periparturient Animal Liver", will be dedicated to collecting original research articles and reviews on recent basic and applied research focused on the regulation and molecular mechanisms of lipid metabolism in periparturient animal liver.

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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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