Special Issue

Molecular Mechanism of Lipid Metabolism in Periparturient Animal Liver

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.

Guest Editors

Prof. Dr. Yangchun Cao

Dr. Libo Tan

Prof. Dr. Chuang Xu

Prof. Dr. Haitao Wu

Dr. Lamei Wang

Deadline for manuscript submissions

closed (31 August 2024)

Metabolites

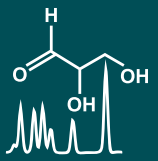
an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/si/135814

Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

mdpi.com/journal/metabolites



Metabolites

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/journal/metabolites

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
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).

MDPI