

Special Issue

Thyroid Dysfunction and Metabolic Disorders

Message from the Guest Editor

The thyroid gland, through its secretion of thyroid hormones, is a master regulator of metabolism, impacting energy expenditure, thermogenesis, and the homeostasis of lipids, glucose, and proteins.

We invite contributions that investigate the molecular and cellular mechanisms underpinning this crosstalk, such as the role of thyroid hormones in insulin signaling, adipocyte biology, and hepatic gluconeogenesis. Clinical and translational studies are particularly welcome, especially those that focus on the impact of thyroid dysfunction on the development and progression of obesity, metabolic syndrome, metabolic associated ateatotic liver disease (MASLD), and diabetes mellitus. Furthermore, we encourage submissions examining the metabolic effects of thyroid hormone analogs, the interplay between thyroid function and gut microbiota, and the potential of novel therapeutic strategies targeting the thyroid–metabolism axis. By providing a platform for this multidisciplinary dialog, we seek to enhance our understanding and improve the clinical management of patients with concurrent thyroid and metabolic disorders.

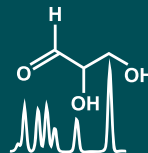
Guest Editor

Dr. Dayami Lopez

Department of Pharmaceutical Sciences, North Carolina Central University, Durham, NC 27707, USA

Deadline for manuscript submissions

20 July 2026



Metabolites

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/261722

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

[mdpi.com/journal/
metabolites](https://mdpi.com/journal/metabolites)





Metabolites

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 8.1
Indexed in PubMed



[mdpi.com/journal/
metabolites](https://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 - Q1 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.6 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2026).