



Crop Nutrition Metabolism and Cultivation Physiology

Guest Editors:

Dr. Guanghao Li

Prof. Dr. Dalei Lu

Dr. Jian Guo

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

The journal *Metabolites* will be publishing a Special Issue, titled “Maize Nutrition Metabolism and Cultivation Physiology”. In facing the dual pressures from the changing environment and the increasing demand of the growing global population, maize plays an essential role in food security and safety due to its strong adaptability. With improvements in germplasm and cultivation techniques, it is of utmost importance to highlight that there is still much potential for increasing maize yield and efficiency. Thus, in this Special Issue, we encourage the submissions of papers on any advancements in the physiology of maize metabolites, growth and development regulations, yield and quality formation, and nutrient absorption and utilization in response to environment and cultivation measures. Crosstalk between disciplines to serve the topic is also encouraged. This Special Issue will cover a wide variety of areas with the aim of contributing to the overall knowledge on the nutrition metabolism and cultivation physiology of maize from several aspects.

Keywords:

- nutrition metabolism
- cultivation physiology
- yield and quality formation
- growth and development





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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*)

Contact Us

Metabolites Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
[X@MetabolitesMDPI](https://twitter.com/MetabolitesMDPI)