





an Open Access Journal by MDPI

# **Omics Approaches in Plants Metabolism**

Guest Editor:

#### Dr. Georgia Tanou

Institute of Soil Science and Water Resources, Hellenic Agricultural Organization-Demeter, Thermi, GR-57001 Thessaloniki, Greece

Deadline for manuscript submissions:

closed (31 December 2021)

# Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to elucidate how plants coordinate their metabolic pathways under various environmental and developmental conditions, combining information produced by various omics-based approaches (genomics, epigenomics, transcriptomics, proteomics, metabolom metagenomics, and beyond) along with the aid of bioinformatics.

The integrated network of gene expression, proteins and metabolite accumulation is disclosed by high-throughput experimenting, providing the essential data, which, following meta-omics data analysis and an integrative approach at systems level, helps us to characterize plant phenotype and behavior.

This Special Issue aims to publish high-quality discoveries in plants using integrated omics technologies.

Dr. Georgia Tanou Guest Editor













an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

### **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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

### **Contact Us**