

Special Issue

Plant Specialized Metabolism

Message from the Guest Editors

Plant metabolism encompasses the dynamic and complex arrays of chemical reactions occurring in plant cells and is vital for sustaining their life. It is divided into two categories: (i) the primary or central metabolism and the (ii) specialized, or traditionally known as secondary, metabolism. Primary metabolism is vital for the survival of the plants, while specialized metabolism serves a multitude of functions including reproduction, defense, and the interaction of plants with their environment. Depending on the chemical structure and biosynthetic origins, plant specialized metabolites are divided into three major groups: (i) phenolics (ii) terpenoids and (iii) nitrogen-containing alkaloids and sulphur-containing compounds. This Special Issue focus on the comprehensive understanding of this important class of biomolecules, covering the topics of their biosynthetic pathways, functional characterization, metabolic engineering, and evolutionary studies.

Guest Editors

Dr. Aparajita Banerjee

Department of Plant and Soil Sciences, University of Delaware, Newark, DE 19713, USA

Dr. Wajid Waheed Bhat

Department of Biochemistry and Molecular Biology, Michigan State University, 603 Wilson Road, East Lansing, MI 48840, USA

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

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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