

Special Issue

Phytochemicals of Crop Plants

Message from the Guest Editor

Over the past decades, the use of phytochemicals derived from crop plants have positive beneficial effects on human health. However, these bioactive phytochemicals are biosynthesized and accumulated in plants at a very low level in tissue-specific, organ-specific, and developmentally specific ways, involving highly complex and sophisticated biosynthetic pathways, such that the amounts of the desired phytochemical are very low. Moreover, a significant number of phytochemicals have been identified from the crop plants but, the biological functions of many phytochemicals still remain unknown, and the suggested functions lack underlying molecular mechanisms. Therefore, a comprehensive understanding of the molecular and cellular basis of bioactive molecules is needed. This SI aims to bring together a set of cutting-edge articles that shows some of the most significant advances in discoveries of phytochemicals from crop plants. We welcome original research papers and reviews related to biochemistry, metabolic engineering, gene editing, crop production, analytical methods, defense responses, as well as metabolic pathways for the biosynthesis of phytochemicals in crop plants.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2023)



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About the Journal

Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper to *Crops*, the international journal of crop science.

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