

Special Issue

Anthocyanins in Molecular Biology

Message from the Guest Editor

Due to their influence on the various colors found in flowers, fruits, and vegetables, as well as their strong antioxidant effects, plant biologists have been interested in the biosynthetic mechanisms of anthocyanins. Anthocyanin accumulation is determined by the balance between biosynthesis and degradation. Therefore, the understanding of the anthocyanin biosynthesis–degradation pathway and the regulation of anthocyanins will allow the development of novel horticultural crops enriched in these compounds, resulting in enhanced aesthetic properties and nutritional value. This Special Issue covers various aspects of biosynthetic and degradative mechanisms in anthocyanins, such as the identification of biosynthetic and degradation-related genes in anthocyanins via molecular biology, the investigation of anthocyanin degradation mechanisms, as well as metabolic engineering of anthocyanins in plants.

Guest Editor

Dr. Sun-Hyung Lim

School of Biotechnology, Division of Horticultural Biotechnology,
Hankyong National University, Anseong 17579, Korea

Deadline for manuscript submissions

closed (30 June 2022)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

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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

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