

## Special Issue

# The Bioavailability and Bioactivity of Flavonoids

### Message from the Guest Editor

Flavonoids are a large group of secondary metabolites that occur ubiquitously in natural foods such as vegetables, tea and fruits. It is well known that the abundant dietary flavonoids have a broad spectrum of health-promoting benefits, including the reduction of the risk of chronic diseases via inhibiting the occurrence of oxidative stress, inflammatory response, and cellular degeneration. Despite a huge number of studies focusing on the biological activity of dietary flavonoids, the following aspects still need further investigation: the effects of gut microbiota on the bioactivity of dietary flavonoids; the effects of other dietary components such as dietary fiber on the bioactivity and metabolism of flavonoids; and the influence of the chemical structure of flavonoids on their metabolism and bioactivity. We invite you to submit manuscripts focusing on the bioactivity (anti-inflammation, antioxidant, alleviation of chronic diseases, etc.), absorption, and metabolism of dietary flavonoids. The nutritional aspects of flavonoids intake (from absorption and metabolism to functional foods/nutraceuticals) are also welcomed.

### Guest Editor

Prof. Dr. Ruifeng Zhang

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### Deadline for manuscript submissions

closed (28 February 2023)



## Molecules

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Indexed in PubMed



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### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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### Editor-in-Chief

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