Special Issue

Resveratrol News & Views: From the Molecular Mechanism to Nutritional and Biomedical Applications

Message from the Guest Editors

Natural products have been used by mankind since ancient times, and the interest in natural bioactive compounds has recently been on the rise because medicinal plants still represent a good potential source of novel bioactive compounds. One of the most interesting polyphenols is Resveratrol, a phytoalexin present in plants such as grapes, peanuts, blueberries, and the Japanese knotweed. This Special Issue aims to attract papers reporting recent evidence and views on resveratrol, and which describe new potential mechanisms of action and the use of this compound in food supplements, nutraceuticals and medical devices. The main topics for discussion are:

- Molecular mechanisms of Resveratrol action;
- Bioavailability of Resveratrol;
- Use of Resveratrol as food supplement, cosmetic or medical device;
- Innovative products to improve Resveratrol activity (in cosmetics, medical devices, nanoformulations, nutraceuticals, and food supplements);
- New strategies to enhance Resveratrol level in foods or crops.

Guest Editors

Prof. Dr. Luciana Mosca

Dr. Roberto Mattioli

Dr. Antonio Francioso

Deadline for manuscript submissions

closed (30 November 2022)

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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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