

Special Issue

Study on Processing and Biological Activity of Functional Foods

Message from the Guest Editors

The science of food is at the confluence of two major factors in our society—food and health. Numerous epidemiological studies suggest that diets rich in phytochemicals and antioxidants have protective roles in health and disease. These natural antioxidants might play an essential role in combating the oxidative stress associated with degenerative diseases and ageing. The phytochemicals found in functional foods have received increasing attention for their potential role in the prevention of human diseases. The processes of food technology have a significant impact on the biological activity of functional foods; therefore, the choices of processing techniques need to be balanced against the retention of the quality of functional foods. In this Special Issue, the impact of different processing factors, such as heat treatment, separation, size reduction, mixing, chemical and enzymatic treatments, and fermentation, etc., on the biological activity of functional foods, either purified or in extracts, will be addressed.

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