



Bioactives and Nutraceuticals in Metabolic Syndrome 2021

Guest Editors:

Dr. Enrique Barrajon

e.barrajon@umh.es

Prof. Dr. David Arráez-Román

darraez@ugr.es

Prof. María Herranz-López

mherranz@umh.es

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Message from the Guest Editors

Metabolic syndrome is a group of metabolic abnormalities, such as insulin resistance, hypertension, dyslipidemia, and excess body fat around the waist that may occur in the same individual. Adults with metabolic syndrome present obesity-associated metabolic, oxidative and inflammatory disturbances. A better understanding of disease-associated metabolic pathway alterations may lead to the identification of new drugs and to the development of new therapies against metabolic abnormalities.

Natural products are a source of anti-inflammatory, antihypertensive, antioxidant, antithrombotic and antihyperglycaemic molecules, possibly useful in the treatment or prevention of metabolic disorders. These compounds could interact in humans with pleiotropic effects in a variety of tissues involved in stress response pathways, thus increasing the ingestion of dietary natural products could be helpful in the management of obesity-related diseases.

This Special Issue is a collection of research and review articles on the benefits of bioactives and nutraceuticals with a special interest in the “New Insights in Natural Compounds in the Management of the Metabolic Syndrome”.





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*International Journal of Molecular
Sciences*
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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