

Special Issue

Bioactive Compounds from Food Waste and By-Products

Message from the Guest Editors

We live in an era where continued economic growth and energy consumption are accelerating climate change. The waste management and the disposal in industry processes have a severe impact on the environment and human health, further compounding the challenges presented by climate change. Environmentally friendly processes that take into account the holistic welfare of human, animal and plant ecosystems are crucial in reforms of production. In this context, waste products could be used again. In particular, agrofood by-products, due to their chemical composition, could be potential components of fertilizers and animal feed, but also used as sources of nutraceuticals and for biofuel production. This Special Issue would like to focus on recent developments in analytical techniques such as mass chromatography and NMR spectroscopy that allow the metabolomic analysis (targeted or untargeted) and identification of value-added products from waste, including food, industrial, agricultural and other by-products, that can be used as sources of anthocyanins, phenols, fibers, bioactive compounds, etc.

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