



Unsaturated Fatty Acids, Cellular Metabolism and Metabolic Diseases

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Message from the Guest Editors

The aim of this Special Issue is to update knowledge on the effects of unsaturated fatty acids on cellular metabolism. Potential topics may include but are not limited to the role of monounsaturated or polyunsaturated fatty acids in the regulation of mitochondrial function, oxidative stress, endoplasmic reticulum stress, and inflammatory pathways. Comparative studies on the effects of saturated, monounsaturated, and polyunsaturated (omega-3 and omega-6) fatty acids on cellular metabolism, oxidative stress, and inflammatory pathway are also welcome. The submission is encouraged of studies aiming to evaluate the effect of unsaturated fatty acids using cellular culture as well as experimental animal models and human trials. Understanding cellular metabolism regulation by unsaturated fatty acids will be useful to generate new knowledge on their role in the etiopathogenesis and/or protection toward metabolic and chronic diseases.





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