Special Issue

Trends and Prospects in Pathophysiology of Diet-Related Diseases

Message from the Guest Editor

The objective of this Special Issue is to present the current trends and future perspectives on the mechanisms of chronic diet-related diseases. Chronic diet-related diseases—such as obesity, diabetes, cardiovascular disease, cancer, osteoporosis and dental disease—are the most common cause of death in the world. We need to better understand the interrelationships between the physiological and psychological determinants of food intake, and the ecological, economic, and socio-cultural risk factors that lead to diet-related diseases. All of these diet-related conditions have not responded well to the pharmaceutical model that characterizes today's health care paradigm. We need knowledge based on etiology that identifies the molecular basis of dysfunctions, and allows for the development of therapeutic and preventive strategies that take into account the biochemical individuality of each person. Interventions in diet and other life-style conditions can help reduce the risk of these chronic diseases.

Guest Editor

Prof. Dr. Veronica Mocanu

Department of Morpho-functional sciences, Discipline Pathophysiology, “Grigore T. Popa” University of Medicine and Pharmacy, 700115 Iasi, Romania

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Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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