



Metabolic Syndrome and Its Association with Biomarkers

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Message from the Guest Editors

Metabolic syndrome is today's top global public health challenge. Metabolic syndrome is a cluster of the greatest risk factors for developing atherosclerotic cardiovascular disease. Although abdominal adiposity and insulin resistance appear to be central to the metabolic syndrome, the pathophysiological mechanisms of metabolic syndrome still remain to be fully elucidated. In order to better understand the pathophysiology as well as to detect metabolic syndrome early, numerous biomarkers have been discovered, some of which are being used in clinical practice.

This special issue of International Journal of Environmental Research and Public Health (IJERPH) focuses on the search for novel biomarkers to diagnose, prediction, progression, and severity of the metabolic syndrome and metabolic syndrome-related disorders, as well as evaluation of the relative contributions of multiple biomarkers to identifying metabolic syndrome. New research papers and brief reports are welcome to this issue.

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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