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Crosstalk between Metabolic Syndrome and Voiding Dysfunction

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Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

Metabolic syndrome and its associated diseases—hypertension, diabetes, and dyslipidemia, among others—have been a matter of public health for decades. Similarly, voiding dysfunction and lower urinary tract symptoms (LUTS) increase in prevalence with aging and affect a significant share of the population. Clinical studies have clearly established a link between both conditions, but so far, shared biological and cellular mechanisms are lacking. Nevertheless, significant progress has been made thanks to several cutting-edge techniques relying on metabolomics, proteomics, new biomarker identification in body fluids, as well as gene knockout mice, laser microdissection, and analyses of gene expression.

This Special Issue of *Metabolites*, "Crosstalk between Metabolic Syndrome and Voiding Dysfunction", will be dedicated to the most recent discoveries unraveling the relationship between bladder dysfunction and systemic metabolic parameters. These encompass gene expression, urinary and plasma metabolites, hormones and biomarkers, and non-invasive discovery of new clinical biomarkers.

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Editor-in-Chief

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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Journal Rank: JCR - Q2 (*Biochemistry and Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

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