

Special Issue

Diabetes and Metabolic Dysfunction

Message from the Guest Editor

Type 2 diabetes mellitus is a complex metabolic disorder that affects nearly every organ in the human body. In addition to impaired glucose metabolism, the hallmark of the disease, numerous other metabolic abnormalities have been identified in patients with diabetes. Some of these abnormalities appear before a clinical diagnosis, while others emerge as the disease progresses, signaling its severity. Certain biomolecular markers indicate advanced disease and impending vascular complications. Identifying and understanding the molecular pathways and mechanisms underlying these metabolic disturbances can enhance our knowledge of type 2 diabetes pathophysiology and pathogenesis, facilitate earlier diagnoses, and predict complications. Moreover, targeting these abnormalities may offer new therapeutic avenues, potentially improving both the lifespan and quality of life of individuals with diabetes.

This Special Issue focuses on the molecular advances in diabetes and its complications. Original research and reviews on characteristic metabolic disorders, molecular therapies of diabetes, and its complications are welcome.

Guest Editor

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