

Special Issue

GLP-1 and GIP Receptor Agonists, Cardiometabolic Disease, Oxidative Stress and Dementia: Novel Insights and Challenges

Message from the Guest Editor

Cardiometabolic disease, namely metabolic disorders such as obesity and type 2 diabetes coupled with hypertension, atherosclerotic cardiovascular disease, heart failure, chronic kidney disease, and metabolic dysfunction-associated steatotic liver disease, has been linked to increased dementia risk. This association is mediated by shared metabolic, inflammatory, and several other neurobiological processes that contribute to cognitive decline. Glucagon-like peptide-1 (GLP-1) and glucose-dependent insulintropic polypeptide (GIP) receptor agonists show significant promise as a novel therapeutic approach for neurodegenerative diseases, including Alzheimer's disease, Parkinson's disease, and other cognitive disorders, by targeting cardiometabolic dysfunction, reducing oxidative stress and neuroinflammation, and improving cognitive function.

This Special Issue aims to highlight the latest pharmacological advancements and evidence-based clinical strategies for the optimal management of cardiometabolic disease and dementia syndromes.

Guest Editor

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