



Biological and Psychological Aspects of Diabetes and Obesity

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Message from the Guest Editors

Type 2 diabetes mellitus (T2D) increases the risk of cardiovascular disease (CVD). Globally, an estimated 17.8 million and 1.4 million deaths were caused by CVD and diabetes, respectively, in 2017—an increase of 21% in CVD and 34% in diabetes from 2007. In Europe, 19.9 million people are anticipated to be living with CVD and 60 million are living with diabetes. CVD costs the UK economy £7.4 billion annually, and the global economic burden of CVD is projected to reach USD 1044 billion by the year 2030—nearly a USD 200 billion rise from 2010. Similarly, the current global cost of diabetes is estimated to be USD 760 billion, and is projected to cost USD 825 billion by 2030. Obesity, especially visceral adipose tissue (VAT), is associated with T2D. The prevalence of obesity and overweight is approximately 25% in the UK, 40% in the US, and 13% worldwide. Obesity is linked to various metabolic abnormalities such as high triglycerides, low high-density lipoprotein cholesterol (HDL-C), elevated blood glucose, and hypertension, referred to as metabolic syndrome.

Deadline for manuscript
submissions:

closed (30 September 2022)





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Message from the Editor-in-Chief

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