

Special Issue

Obesity, Hormones and Reproductive Health

Message from the Guest Editor

Obesity is a complex multi-factorial chronic medical condition. It is considered a significant risk factor when it comes to the development of numerous serious diseases, such as cardiovascular disease. Hormonal imbalance as a cause and consequence of obesity plays a role in the adverse health effects of obesity. Several hormones, including insulin, leptin, and sex hormones, have been studied extensively and play a role in appetite, metabolism, body fat distribution and increased storage of excess energy as fat. In addition to these metabolic effects, obesity and hormonal imbalances have profound impacts on sexual and reproductive health. Hormones such as estrogen, progesterone, testosterone and others are intricately involved in regulating reproductive functions, and their dysregulation due to obesity can lead to conditions such as reproductive dysfunction in both sexes together with polycystic ovary syndrome (PCOS), menstrual irregularities and complications during pregnancy in females. We invite researchers to contribute original research articles and reviews covering studies on the interplay between obesity, hormonal imbalances, and sexual and reproductive health.

Guest Editor

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Deadline for manuscript submissions

31 October 2025



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/236718

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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