Special Issue

Mechanisms and Effects of Endocrine Disruptors and Environmental Contaminants on Human Health

Message from the Guest Editor

Human exposure to emerging contaminants with the action of endocrine-disrupting compounds (EDCs) is a major of concern. Despite efforts by the scientific community, their toxic effects on human cardiovascular health remain largely unknown. Their modes of action involve EATS modalities (estrogenic, androgenic, steroidogenic, and thyroid) as well as non-EATS modalities, capable of triggering adverse outcomes (AOs). Clarifying the mechanisms by which EDCs affect cardiovascular health is crucial for effective risk assessment. The adverse outcome pathway (AOP) framework helps identify key events leading to AOs, while New Approach Methodologies (NAMs) provide innovative tools for this assessment. According to the one health approach, the interconnectedness of human, animal and environmental health highlights the need for integrated strategies to mitigate the impact of these emerging contaminants. In this sense, in this Special Issue, we invite you to provide updated insights on this topic. Reviews and research articles that aim to clarify the molecular and cellular mechanisms underlying the cardiovascular toxicity effects induced by EDCs are welcome.

Guest Editor

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Deadline for manuscript submissions

20 March 2026



International Journal of Molecular Sciences

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Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/232609

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Message from the Editor-in-Chief

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