

Special Issue

Increasing Prevalence of Cardiovascular Disease in 21st Century: Current Status and Future Challenges

Message from the Guest Editors

Since the time of the first open heart procedure in 1954, several medical innovations and public health interventions have consistently led to increasingly effective ways to treat cardiovascular diseases (CVDs) and improve cardiovascular health. This has resulted in a significant and unprecedented reduction in age-adjusted mortality rates from CVD in the past 50 years. Despite this progress, CVD remains the leading cause of deaths globally, accounting for roughly 17 million deaths per year, and is estimated to reach over 23.6 million deaths per year by 2030. The current status of increased prevalence of CVD reflects multiple missed opportunities to improve cardiovascular care and avoid unnecessary costs. Future CVD care challenges include risk factor modifications, improving patient engagement and involvement, diagnostic accuracy, adherence, and proper use of the first-line treatments, and a better utilization of supportive services. In this Special Issue, we would like to address new findings that address the status of CVDs in different demographics, shed light on factors impacting the increasing prevalence and challenges that lie ahead.

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

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