



## Effects of Polyphenols on Cardiac Mitochondrial Function: Possible Implications in the Diabetic Heart

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### Message from the Guest Editors

Cardiomyopathies are primary diseases of the myocardium, commonly genetically transmitted. The most common forms are hypertrophic (HCM), dilated (DCM), and arrhythmogenic cardiomyopathy (ACM).

Cardiomyopathies are leading causes of sudden cardiac death (SCD), particularly in the young. However, early diagnosis of affected individuals remains challenging and a resolute therapy is still lacking, as current treatments can only control the symptoms but not prevent or rescue the phenotype. Genetics, genomics and basic science studies in cellular and animal models allow delineating the genetic bases and the molecular mechanisms implicated in the pathogenesis of cardiomyopathies in order to develop novel diagnostic tools and more specific therapies.

The purpose of this Issue is to review the scientific bases of non-ischemic cardiomyopathies. We will focus on the progresses in current understanding of onset and natural history of these conditions. Furthermore, we will discuss the recent advancements in genetics, genomics, and molecular biology studies and novel prospects on biomarkers and target gene-therapy development.





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## Message from the Editor-in-Chief

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