

# Phytoconstituents as Potential Therapeutics in Endocrine Disorders: A Comprehensive Review

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**Abstract:** *The endocrine system is composed of various glands that produce and release hormones directly into the bloodstream. These hormones regulate vital functions such as metabolism, growth, reproduction, and other physiological processes. When this system is disrupted, it can lead to endocrine disorders that are associated with health problems including obesity, diabetes, cardiovascular diseases, and metabolic syndromes. Diseases such as Diabetes Mellitus, Obesity, cardiovascular diseases, are major contributors to global mortality and morbidity, having a significant impact on public health worldwide.*

*Diabetes mellitus is a complex metabolic disorder caused by either a lack of insulin production or impaired insulin function. It affects a large proportion of the population in both developed and developing countries. Treatment with synthetic drugs can be expensive and often carries a significant risk of side effects.*

*Cardiovascular disease is a major and growing health concern in the United Kingdom, accounting for nearly one-third of all deaths and causing significant illness.*

*Obesity is a complex, multifaceted disease characterized by the accumulation of excess body fat, which negatively impacts overall health.*

**Keywords:** Endocrine system , Diabetes Mellitus, Cardiovascular Disease, Obesity, Phytoconstituents, Disorder, Medicinal plants, Harmonal imbalance

