

A Brief Review on Medicinal Plants Shows Antidiabetic Activity

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Abstract: *Diabetes mellitus is one of the common metabolic disorders acquiring around 2.8% of the world's population and is anticipated to cross 5.4% by the year 2025. Since long back herbal medicines have been the highly esteemed source of medicine therefore, they have become a growing part of modern, high-tech medicine. In view of the above aspects the present review provides profiles of plants (65 species) with hypoglycaemic properties, available through literature source from various database with proper categorization according to the parts used, mode of reduction in blood glucose (insulinomimetic or insulin secretagogues activity) and active phytoconstituents having insulin mimetics activity. From the review it was suggested that, plant showing hypoglycemic potential mainly belongs to the family Leguminosae, Lamiaceae, Liliaceae, Cucurbitaceae, Asteraceae, Moraceae, Rosaceae and Araliaceae. The review describes some new bioactive drugs and isolated compounds from plants such asroside, epigallocatechin, epicatechin, mangiferin.⁽¹⁾*

Keywords: Diabetes mellitus, medicinal plants, antidiabetic, hypoglycemic, antihyperglycemic