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Anti diabetic activity of Indian plants with their phytoconstituents

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Diabetes Mellitus is characterized by elevated plasma glucose concentrations resulting from insufficient insulin. A comprehensive herbal drug therapeutic regimen offers time tested safe and effective support to conventional therapy in the management of diabetes. This is combination with adequate dietary management and physical activity would provide an integrated approach to the management of this deadly disease, particularly Type 2 diabetes for diabetes is not new. Plants and plant extracts were used to combat the disease as early as 1550 B.C., with as many as 400 “prescribed” before the development earlier. 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 this paper an attempt has been made to give an overview of certain Indian plants with their phytoconstituents and mechanism of action which have been studied for their anti diabetic activity.

Biography

Shashi Alok completed his MPharma from Institute of Pharmacy, Bundelkhand University, Jhansi (UP), India & MBA in Pharmaceutical Marketing from IIPM Lucknow (UP), India. His PhD degree in Pharmaceutical Sciences from Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad, UP, India. He served as an Assistant Professor in Institute of Pharmacy, Bundelkhand University Jhansi (UP), India. He has 40 publications in his credit and also contributed in 3 book series. He is an Editor-in-Chief, International Journal of Pharmaceutical Sciences & Research. He is also serving the international scientific community by extending expertise as reviewer in number of Journals.

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