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Dubai, UAE**Plants as antidiabetic agents: Traditional knowledge to pharmacological validation****Manzoor Ullah¹, Madiha Zaynab², Mahpara Fatima², Safdar Abbas³, Yasir Sharif², Taimoor Hassan Farooq², Muhammad Hammad Zaffar⁴, Razi Ullah⁵, Saad Ullah Khan¹, Wahid Hussain⁶, Ihsan Ullah¹, Shabnam Shaheen⁷ and Maroof Ali⁸**¹University of Science and Technology, Pakistan²Fujian Agriculture and Forestry University, China³Quid e Azam University, Pakistan⁴University of Agriculture Faisalabad, Pakistan⁵Gomal University, Pakistan⁶University of Peshawar, Pakistan⁷Higher Education Department Khyber Pakhtunkhwa, Pakistan⁸University of Nizwa, Sultanate of Oman

Diabetes is the most devastating and serious of all metabolic diseases. The available natural remedies are considered as a valuable source of therapeutic agents. A scientific validation of the reported antidiabetic plants on the basis of their traditional use may pave the way for the development of novel and effective antidiabetic drugs. Such approaches are the necessity of the day because the available medicines are insufficient to manage all the consequences of diabetes, and the economic problems

and a shortage of current therapies in most developing countries. This review comprises information about antidiabetic medicinal plants of Pakistan with respect to traditional knowledge. The article also includes the in-vitro or in-vivo potential, toxicity, mode of action, and perspective for future research. This effort may serve as a leading point for the formulation of novel herbal mixtures, development of antidiabetic drugs or their precursors.

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