

A Bio-herbal Medicinal Remedies: M charantia Linn. A Scope of Characterization of Medicinally Evaluating Antidiabetic Compound

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Abstract

The study of diabetes is not only limited to particular symptoms, but it is consequently affects the pathological and functional changes in the metabolic pathways of human body system. The prolonged symptoms of diabetes also causes the complications of retinopathy, blindness, renal failure, ulcers, autonomic dysfunction including sexual dysfunction, it also causes the high risk of cardiovascular, peripheral and cerebrovascular diseases.

As there are different classes of antidiabetic drugs and their selection depends upon the type of diabetes, age of patient, symptoms, and other factor. Diabetes is characterized by the hyperglycaemia with disturbance of carbohydrates, fat and protein metabolism resulting in the defects in insulin secretion and insulin action. With these points of view various drugs are used to treat the diabetes such as biosimilar therapy including use of insulin and insulin analogues, oral hypoglycaemic agents and various other complimentary medicines.

As Bioherbal remedies i.e. M charantia Linn. (Bitter Gourd) is commonly known as fruit vegetable. The Leaves, Seeds, Roots, Fruits and the stem part of the plants are medicinally used in different diseases. Traditionally the Juice of M.charantia Linn. is used to reduce the cough, to maintain the body's osmotic balance etc. It is most effectively used to treat the acidic condition of gastrointestinal tract. M.charantia is also called the oxygen radical scavenger, which takes part into body's metabolic pathway.

The present investigation was carried out to study the characterization of present antidiabetic compound having different solvent extract of M.charantia Linn. in various solvent system. Thus it shows the total unknown protein concentration was 21.01 µg/mL and the slope consists of 0.0314 with the line of intercept 0.081.

Biography:

Mr. Umesh Wahul has completing his PhD at the age of 29 years from School of Life Sciences, Swami Ramanand Teerth Marathwada University, Nanded 431 606 (MS), India. He is the workin as Executive at IPCA Laboratories Ltd, an MN Pharmaceutical organization. He has published more than 10 papers in reputed journals and has been serving as an editorial board member of reputed journal

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