

Licensing and Technology Transfer Opportunity: Manipal University

Title of Technology Available:

A formulation of dietary supplement for glycemic control in pre-diabetics and patients with type 2 diabetes

Brief Description of Invention:

A formulation of natural household ingredients manufactured using a dry blended and packed in a single dose formulation of powder. The powder can be added to warm water rendering it into a form of a soup to be taken by prediabetic patients.

Brief Background of Invention:

The invention is a dry powder to be mixed with warm water to make a soup that can be consumed twice daily by prediabetic patients for their blood glucose control. The suspension is a rich source of soluble fibers, essential amino-acids, tocopherols, Vitamin B Complex, Vitamin E, galactose mannoses, flavonoids, minerals and proteins. The diet supplement is safe, stable and is considered as food supplement rather than as a medicine in patients with type 2 diabetes or in prediabetics

Describe the final product:

The diet supplement in the sachet of 6g is diluted with 100-150 ml of hot water along with required quantity of salt during consumption. The supplement is recommended at 2 doses per day to reduce the blood sugar level. The intake of the first dose in the morning in fasting condition and the second dose at night before intake of food.

Technological Domain (Keywords):

Dietary supplement, nutraceutical food

Proof of Concept:

Preliminary study involving volunteers after IEC clearance showed significant statistical difference in controlling PPBS and HbA1C. No significant difference was found in FBS.

Stage of Development:

~~Ideation/Prototype/Advanced Prototype/~~Ready to Market technology (was licensed to a Bangalore based firm for 2 years; licensing tenure is over)

Provide Information on Competitors who manufacture and/or sell similar products: NA

What are the unique advantages your innovation has compared to the competition: Dietary / Nutritional supplement helping borderline diabetics control their diabetes with natural ingredients (household food products) without unnecessary medications.

Intellectual Property Status: Indian Patent Filed in 2016 (Response to FER submitted)