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(57) Abstract :

The Herbal Edible Coating developed from corn starch by incorporating aqueous Tulsi (Ocimum sanctum) leaves extract. The corn starch is a polysaccharide derived from Maize (Corn-Zea mays) and beeswax is lipid based material, have the ability to prevent the gases and moisture loss. Tulsi is useful and sacred herb which is used in medicinal purpose from many years. Tulsi leaves extract have many health beneficial properties such as antimicrobial, antioxidant, anticancer, antidiabetic, many others as well as it is act as natural preservative. Tulsi (O. sanctum), corn starch and beeswax are natural components of Herbal edible coating which is fit for human consumption and beneficial for human health, it is the unique or novel character of this invention. The main purpose of this invention is to increase the shelf life of fresh fruits and vegetables by application of herbal non poisonous coating on fresh produce. The corn starch and beeswax herbal edible coating is applied as a thin layer on fresh produces which act as a protective covering against microbes, moisture, gases (CO₂ and O₂) and physical damages. The corn starch and beeswax herbal edible coating is environment friendly product So, it is a good option to replace the polymer packaging.

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