

FUTURE SCOPE

Pharmaceutical market, since its inception, has always been inundated with numerous dosage forms for accurate definition of drug delivery with superior quality and in many cases, with enhanced concomitant production economics. The crux of the matter has always been to develop dosage forms with unique advantages that will help to position them amongst the existing ones in the pharmaceutical market.

The method used for the preparation of Novel Buccal Adhesive Tablets is first of its kind with cup and core design. The investigated natural mucoadhesive materials have been used by human beings as edible components since a long time. From the findings of this investigation, it is evident that the isolated materials possess excellent mucoadhesive properties. Further, the mucoadhesive layer also acts as impermeable backing layer.

This technique is unique and can also be used for the effective delivery of proteins, peptides and other molecules that need to be protected from the external environment to improve the bioavailability. Since these natural edible materials have been proved to possess mucoadhesive property, they can be used for other mucoadhesive drug delivery systems for administration through the other transmucosal routes such as sublingual, nasal, and rectal etc. These natural mucoadhesive materials appear to be biodegradable, biocompatible, and more importantly, economical when compare with the commercially used synthetic materials. This field is wide open for researchers to investigate similar materials for the aforesaid properties, offering a very promising area of research.