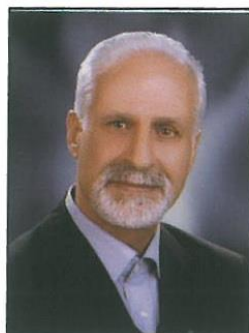


## Project Title

**Using Renewable Synthetic Substances in Designing and Improving Beehives**

## First Winner

## Invention



**Inventor:  
J. Poorasghar**

## Abstract

This 12-year research has been done with 200 synthetic beehives in 5 different colours and in various weather conditions and by using anti-UV at the out parts of beehive. In addition to study of physical and chemical resistance. 5 types of substances were investigated against natural effects from group of Styrenics (ASA) (ABS+PA)(PC+ABS)(SAN)(ABS). Furthermore, the effects of substances have been tested on human (and beehive`s residents: queen, newborns and bess) and mixture or combination of substances with the bees productions.

The method used in the structure of this beehive designed in a way that in spite of local and foreign beehives, we can use it for different applications such as education, research, production and apiculture of virgin queens and their productivity and controlling diseases, especially because there was no need to wire and install leaves of beeswax at the frameworks, and also there was no need to paint and cover with galvanized sheet.

Based on the existing statistics there is about 100 millions of wooden beehives in different parts of the world. If we consider lifetime of wooden beehives normally 15 years, about 3 millions of huge trees must be hewed in the various parts of the world annually to replace the old beehives. On the other hand, in the all wooden beehives the leaves of beeswax have been used in order to prevent production of male bees. This not only will cause collision in the system of natural life of bees, but it is also the major hinderance in producing male bees with new genetical combinations. Therefore, it seems necessary to make major changes in current system of keeping bees regarding substance used in the structure of beehives genetically and technically.