

### **39. Study on the Use of Different Types of Artificial Honeycombs in Bee Exploitation**

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**Abstract:**

The purpose of the research is to study the use and evaluation of the growth of different types of artificial honeycombs. Following the assessment of the intensity of acceptance and cell formation by bees of different types of artificial honeycombs: coloured, simple, ecological and traditional ones, it was revealed that newly built honeycombs have a light-yellow colour and worker bees give priority to the construction of cells from wax capping and to the simple ones compared to the traditional ones. Worker bees gave priority to the coloured artificial honeycomb, and it was accepted for cell growth, keeping the red colour compared to the simple and traditional honeycombs. Artificial combs made of wax capping (ecological) are the most accepted for cell formation by bees and honeycomb construction.

**Keywords:** bees, artificial, capping, traditional, coloured.