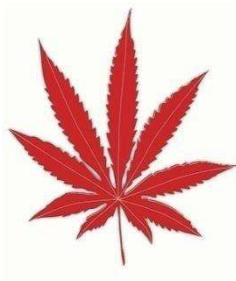




Conference Abstract

1st The Holy Quran & Science Conference and Exhibition - 2021

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Conference Abstract
HONEY BEE BEHAVIOUR AND DECISION – MAKING

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The authors declare no competing interests.

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Abstract

Allah is the Creator of Everything "كل شيء خلق الله" Holy Quran (39, 63), The Eusociality, the social life, the social behavior in the honeybee colony is a fascinating and an advanced highly social behavior comparable to the developed human being social life, but it is taking as superior for the grand Apidology scientists.

This highly social organized life is controlled by Hormones in the blood (hemolymph) and Pheromones circulated by contact (touch) or by the air (odor) through the hive space. In the honeybee colony there are three different individuals: the Queen, the Drones and the Workers, it means three castes or two real castes, because scientifically the drones aren't considered as a real caste because they aren't existing in the colony all around the year. All three categories are essential for the hive to thrive, and they are all very different, each contributing and playing a unique role, the queen bee is responsible essentially for laying eggs, and controlling the harmony and the sustainability of the colony, the Drones who are the male bees in the hive their only purpose to be alive is to mate with the queen. But the multi tasked individual is the worker.

We are now in this article focusing on the honeybee worker, his life, development, tasks, responsibilities and activities with the time while growing up and advancing in age from the egg till the end of life. It has a lifespan (8 weeks, 6-8 Months).

We will see the highly social comportment, activities and the moving from work to another like a sane trained expert.

Inside the hive (house-worker): When a worker bee is firstborn as adult, she cleans herself and her cell, it is now cleaner, undertaker, babysitter, nurse, queen's



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