**Abstract**

The state of anxiety in rodents can be measured through the two-compartment box test, where the time the mouse remains immobile in the white compartment and the time it remains in the dark side indicate its anxiety. The hippocampus is an important site in the CNS that is involved in the formation of memories, and also plays a general role in information processing and subsequent behaviour regulation.

**Kew words :** physiology, electromagnetic fields (EMF),central nervous system (CNS)