Previously habitat and niche were considered synonyms but later on it was proved that they have different concepts

# Habitat and Niche Concept Habitat:

It is living place or house of an organism in relation to its environment

# Types:

- Microhabitat
- Macrohabitat

# Types of habitat:

Microhabitat

It is short living place within the macrohabitat e.g. A honey bee comb or aphid living and feeding on a leaf

# Types of habitat:

Macrohabitat

It is general or main living place of an organism in which it lives e.g. A water pond, a forest, a desert.

#### Niche:

There are two different concepts about niche.

- Grinnel (1717) used the word niche for the first time to describe the role of an insect species in its community/ environment.
- Role means whether it is usefull or harmfull to its community, whether it takes or gives something to its community.
- Role also describes the act played by the organism (predator/ prey or parasitoid/ host)
- As role is a variable entity (change with change in habitat) so this concept was not accepted

#### Niche:

2. A modern concept of Niche was given later on, which described "Total resource utilization by an insect species in its environment for successfull survival and reproducion".

Various species occupying same habitat may not have the same niche

Some times as an exceptional case, many species have the same niche

e.g. Eight species of a leaf hopper (Genus Erythronura) are found feeding and sitting on the leaves of a single tree.