

# Insects Bio-Diversity of Taranagar Area in Churu District (Rajasthan)

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## Abstract

In the animal kingdom, insects are placed in the class insects of Arthropoda Phylum. Insects are found in all the natural habitat and they are found throughout the world. Taranagar is a Tehsil /Block in Churu district of Rajasthan situated at 28degree41'N 75 degree3'E. The main objective of the study is to determine the insect diversity. This paper presents the insect Biodiversity in Taranagar area of Churu district. The present study provides general information about different Order and Family of insect species belonging to this area. This research is conducted in Taranagar and surrounding areas. In this study more than 50 families and 14 orders of insects are found here like Orthoptera, Isoptera, Hemiptera, Lepidoptera, Diptera, Hymenoptera and Coleoptera order etc. Moth butterfly, wasp, beetle, bees, ants, termite, have been seen more in this study area.

**Keywords:** Insects, Natural Habitat, Biodiversity, Taranagar, Churu, Orders, Beetles, Termite.

## Introduction

Insects are the unique Arthropods and they are found in almost all ecological niches. Insects are cosmopolitan and they are found in all natural habitat like- Terrestrial, aquatic, aerial etc. Insects live in highly diverse habitats and can be found practically everywhere in the environment. So we can say that insect biodiversity accounts for a large ratio of all the biodiversity on the planet earth. Approximately 1.5 million organism species described are classified as insects. In present investigation the insects were observed from everywhere. Majority of the insects were collected from all sorts of plants, grass, flowers, weeds, shrubs and trees. Some insects were found around and on the walls of building blocks. Most of the insects in this study were collected manually by sweep netting and hand picking.

This research paper tries to identify the current status of insect biodiversity in Taranagar block of Churu district of Rajasthan.

## Aims of the Study

1. To identify current status of insect species in Taranagar region of Churu district.
2. To recognize different families and orders of insect.
3. To identify the particular habits and life cycle of insects.
4. To study the reproductive process of the insects.
5. To study the insects behavior.
6. To study the role of insects in the environment.
7. To enhance the scientific knowledge and public awareness about insects.

## Study Area

Rajasthan is the largest state in India. Taranagar is a block /area of Churu district of the Indian state of Rajasthan in Northern India. This area is completely deserted. It is known as Thar Desert. There is no river and lake here; there is golden dunes all around this area. The vegetation here is also very less.

There is a tropical monsoon climate in India but the Taranagar region of Churu has arid climate because of hot Desert area. There is a very low Rainfall during Monsoon season. Scarcity of water and food, dry winds (known as "Loo") and seasonal variation in temperature are the salient characteristics of this area.

For this research some villages of Taranagar tehsil such as Bhaleri, Buchawas, Changol, Dabri, Nethawa, Sahwa, Salyun, Shyam Pandiya and Togawas were visited for the study of insect biodiversity.

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