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# A Study On Biodiversity Of Insects Collected From Pilibanga Block Of Hanumangarh District, Rajasthan

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**Abstract:** Biodiversity is the contraction of 'biological diversity' which refers to variability among living organisms. It is the measure of variation on the ecosystem level. The present study was undertaken in the Pilibanga tehsil of the Hanumangarh district. Pilibanga is a block situated in the Hanumangarh district, in the Indian state of Rajasthan. There is long summer and short winter. Summer is humid and winter is very cool and dry. The main objective of the study is to identify the insect biodiversity of the study area. Insects are belonging to the phylum Arthropoda which is the largest phylum of the animal kingdom. Insects are worldwide distributed so they form an important component of terrestrial, aquatic and areal ecosystems. The insect faunal composition is rich in Pilibanga tehsil and their surrounding villages. The present study provides general information about the orders and families of the insect present in the study area. The adult insects were represented by 75 species of 53 families belonging to 15 orders namely Diptera, Hymenoptera, Lepidoptera, Orthoptera, Odonata, Dictyoptera, Mantodea, Isoptera, Thysanura, Siphunculata, Hemiptera, Neuroptera, Phasmida, Ephemeroptera and Coleoptera. Larval forms are also observed.

**Keywords:** Biodiversity, Insects, Pilibanga, Hanumangarh, Arthropoda, faunal, species.

**Introduction:** Biodiversity is one of the most fascinating aspects of biology. Biodiversity is the contraction of "biological diversity" which refers to variability among living organisms from all sources including polar regions, areal, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part including diversity within species, between species and of ecosystems. India is one of the world's twelve megadiversity countries. Arthropoda is the largest phylum of the Animal kingdom. Insects are belonging to the class Insecta of this phylum. In the intrinsic part of the earth's ecosystem, great insect biodiversity is present. Members of Insects are cosmopolitan as they live in highly diverse habitats such as aquatic, terrestrial, areal, etc. Insect biodiversity accounts for a large ratio of our planet. About 75% of all described forms of life, insects are the most diverse group. Insect contributes over half of all the recorded species. Approx. 1.5