



## A Study on Diversity of Butterflies in Ankushnagar Area of Taluka Ambad, District: Jalna (MS)

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### ABSTRACT

Butterflies are an essential piece of the backwoods biological system. They show particular examples of environment usage. being profoundly touchy to changes in the climate, they are handily influenced by even somewhat minor irritations in the habitat so much so that, they have been consider as markers of climate quality and strength of an environment. Butterflies were recognized for their orderly variety contemplates by utilizing insects net, insect's boxes, spreading sheets, oven, butter paper envelopes, camera, hygrometer, GPS instruments and so on. 34 butterflies having a place with 20 genera from 5 families and 09 subfamilies are recorded from concentrate on region. These finding are significant as for checking butterfly variety and Defining preservation systems in Ankushnagar region in Jalna District of Maharashtra state.

### INTRODUCTION

The butterflies have a place with order Lepidoptera which is the second biggest order among the insects and is comprised of around 1, 50,000 species so far known. The order Lepidoptera incorporates butterflies and moths of which around 17280 are butterflies. Butterflies are most recognizable insects to humanity because of their large size, splendid shading and daylight adoring propensities. Butterflies are the following pollinating specialists after the honey bees and truth are told accomplishment of angiosperms relies upon these pollinating specialists. The quantity of Indian Butterflies builds up to one fifth of the world absolute of Butterfly species. Just a fourth of India's Butterfly variety is addressed in the Western Ghats; it has the quality of high alpha variety of butterflies in certain location. [3]. to oblige an always expanding populace, man has mercilessly taken advantage of and annihilated untamed life natural surroundings. misfortune, discontinuity or change of living spaces have been fundamentally because of changes being used of land like urbanization, industrialization ,agrarian turn of events, moving development, and so forth.

In the protection of this rich climate, a butterfly assumes its significant part. to be center around these vivid and exquisite animals which consistently entranced the world we picked the point of convergence to concentrate on the species variety and circulation examples of butterflies from Ankushnagar region in Jalna area.

### METHODOLOGY

**Insect Net:** Insect net was utilized for assortment of Butterflies from the field. it contains aluminum handle, almost 18 inch long, having a round metal ring 9 inch in width and gathering pack of 30 inch inside and out comprised of conventional nylon mosquito netting material, which was connected to the metal ring.



**Camera** [DSLR Camera Nikon D 5300, 24.2 Mega Pixels] **Hygrometer** (Hi-Tech Temperature Clock / Humidity HTC-1) **Global positioning system (GPS) Instrument** (Garmin Montana 600).

## RESULT AND DISCUSSION

In the current examination, 314 butterflies having a place with 20 genera from 5 families and 09 subfamilies are recorded from the review region is given in the Table.

Sr. No.	Common Name	Scientific Name
<b>1.</b>	<b>Family:- Papilionidae</b>	
<b>1}</b>	<b>Subfamily:- Papilioninae</b>	
I	Common Bluebottle	Graphium sarpedon Linnaeus
II	Common Jay	Graphium doson C & R Felder
III	Common Mormon	Papilio polytes Linnaeus
IV	Lime Butterfly	Papilio demoleus Linnaeus
V	Common Rose	Pachliopta aristolochiae Fabricius
VI	Tailed Jay	Graphium Agamemnon Linnaeus
VII	Red Helen	Papilio helenus Linnaeus
<b>2.</b>	<b>Family:- pieridae</b>	
<b>1}</b>	<b>Subfamily:-Coliadinae</b>	
VIII	Small Grass Yellow	Eurema brigitta Cramer
IX	Spotless Grass Yellow	Eurema laeta Boisduval
X	Common Grass Yellow	Eurema hecabe Linnaeus
XI	Three Spot Grass Yellow	Eurema blanda Boisduval
<b>2}</b>	<b>Subfamily :- Pierinae</b>	
XII	White Orange Tip	Ixias Marianne Cramer
XIII	Common Jezebel	Delias eucharis Drury
XIV	Pioneer	Belenois aurota Fabricius
XV	Common Gull	Cepora nerissa Fabricius
XVI	Psyche	Leptosia nina Fabricius
<b>3.</b>	<b>Family:-Nymphalidae</b>	
<b>1}</b>	<b>Subfamily :-Danainae</b>	
XVII	Blue Tiger	Tirumala limniace Cramer
XVIII	Striped Tiger	Danaus genutia Cramer
XIX	Plain Tiger	Danaus chrysippus Linnaeus
XX	Common Indian Crow	Euploea core Cramer
XXI	Glassy Tiger	Parantica aglea Stoll
<b>2}</b>	<b>Subfamily :- Satyrinae</b>	
	Common Five Ring	Ypthima baldus Fabricius
<b>3}</b>	<b>Subfamily:- Charaxinae</b>	
XXII	Common Nawab	Polyura athmamas Drury
XXIII	Black Rajah	Charaxes solon Fabricius
<b>4.</b>	<b>Family:-Lycaenidae</b>	
<b>1}</b>	<b>Subfamily:Polyommatainae</b>	
XXIV	Angled Pierrot	Caleta caleta Hewitson



XXV	Lime Blue	Chilades laius Stoll
XXVI	Pale Grass Blue	Pseudozizeeria maha Kollar
XXVII	Zebra Blue	Leptotes plinius Fabricius
XXVIII	Forget-me-not	Catochrysops strabo Fabricius
<b>5.</b>	<b>Family:-Hesperiidae</b>	
<b>1}</b>	<b>Subfamily:-Hesperiinae</b>	
XXIX	Rice Swift	Borbo cinnara Wallace
XXX	Dark Palm Dart	Telicota ancilla Herrich-Schaffer
XXXI	Vindhyan Bob	Arnetta vindhiana Moore
XXXII	Conjoined Swift	Pelopidas conjuncta Herrich-Schaffer
<b>2}</b>	<b>Subfamily:Heteropterinae</b>	
XXXIII	Grass Demon	Udaspes folus Cramer

Our Reviews counselled that monitoring of butterfly species to improve the ecological application of butterfly as indicator taxa and defining conservation techniques within the observe region.

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