Bharatiya Vidya Bhavan

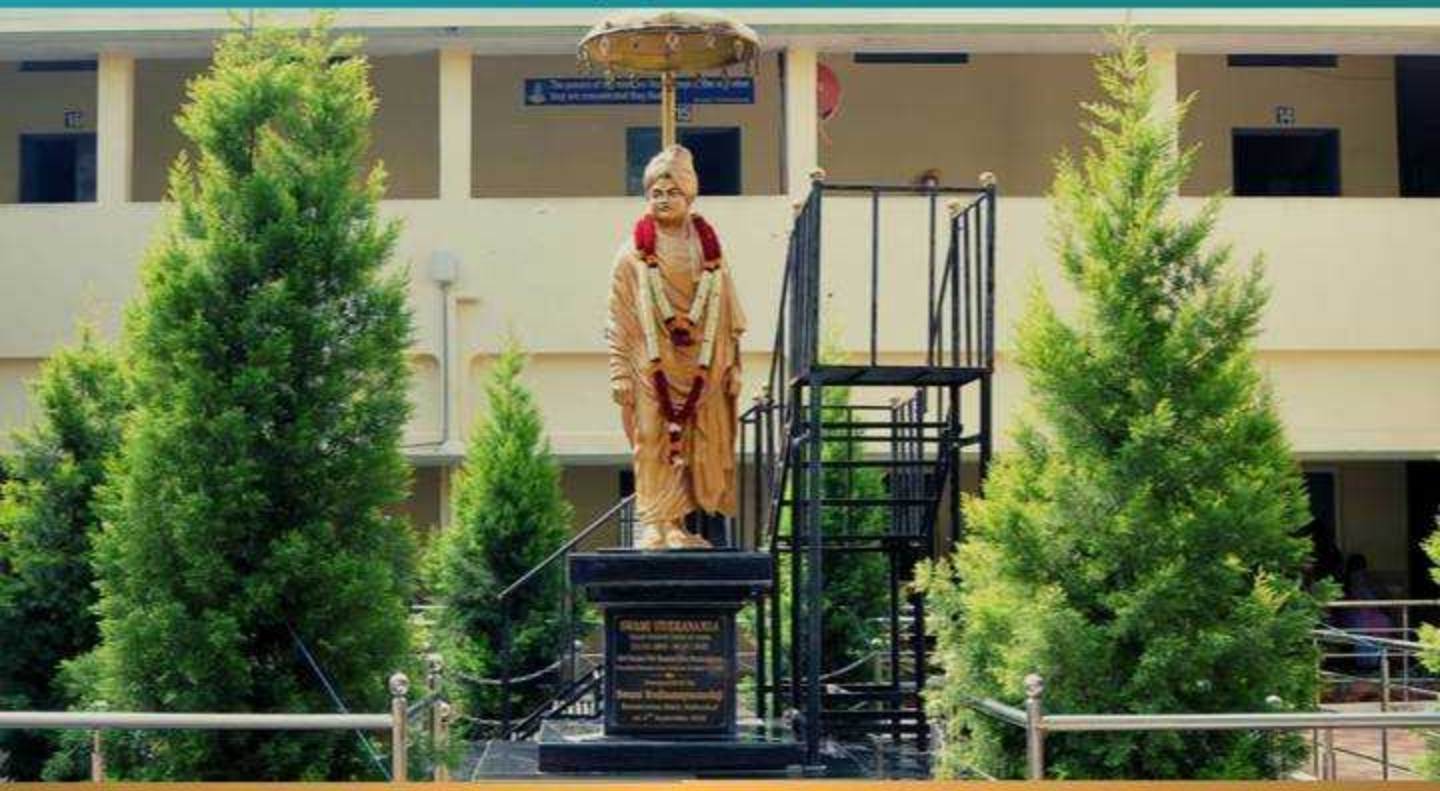
Bhavan's Vivekananda College

of Science, Humanities & Commerce

Autonomous College - Affiliated to Osmania University

Accredited with 'A' grade by NAAC

Sainikpuri, Secunderabad - 500094



NAAC RE-ACCREDITATION - 2ND CYCLE

Criterion VII

Institutional Values and Best Practices

7.1.5

Environmental consciousness and sustainability

Additional Information

Submitted to

National Assessment and Accreditation Council

2019-20

Tree Plantation Programme

Six days orientation program for First year students all post graduate program of 2019-2021 batch, have taken part in a tree plantation program, arranged by the GreEnergy club of the College. Dr Jyothi Nayar, HoD, Dept of Genetics and Biotechnology coordinated this program. Faculty from PG departments of Biochemistry, Microbiology, Computer Science, MBA and M.Com along with new batch of students have taken part in this program very enthusiastically and planted good number of plants. This event created environmental concern amongst students and appreciated by everyone.









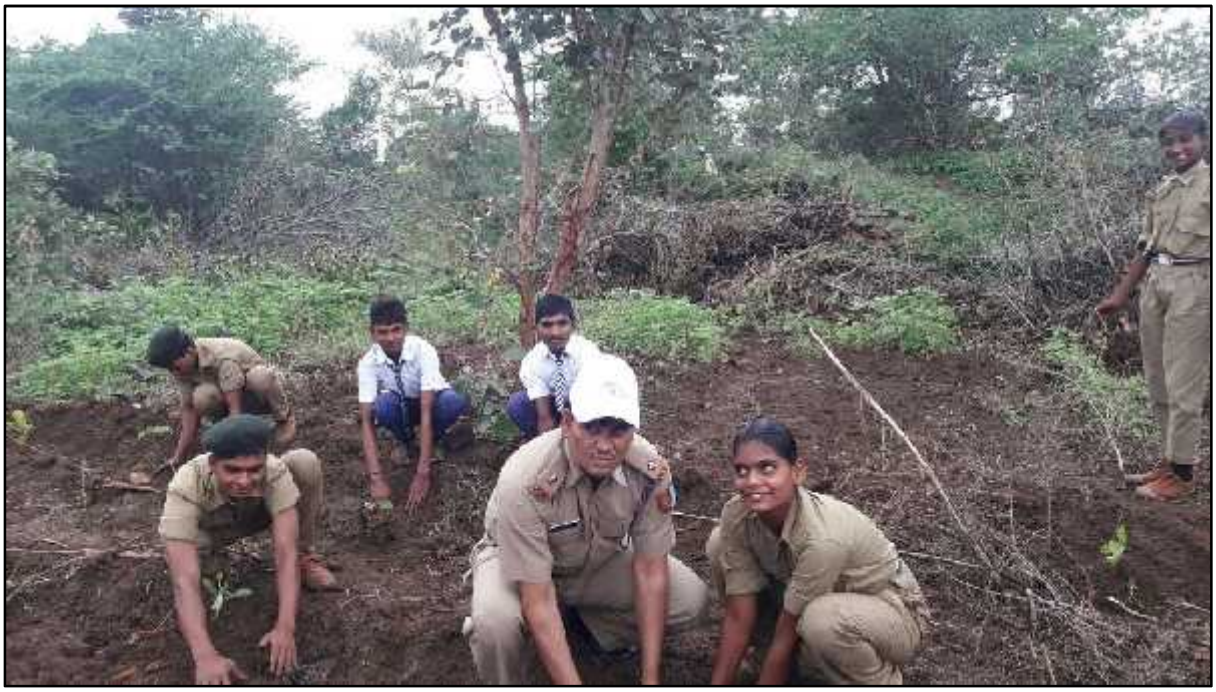
2017-18

Report on Mass Tree Plantation-29/07/2017

NSS unit organized a mass tree plantation –TELANGANAKU HARITHA HARAM, in the college on 29/07/2017.There were 100 volunteers participated from NSS unit. Sri I Y R IYR KrishnaRao, RetdIAS, Chairman BVC Kendra, Sri J L N Sastry VCM, Vice Chairman, BVC Kendra and Sri Uma Maheswar Rao IPS were the chief guest for the program. About 200 sampling were planted.

Report on MEGA TREE PLANTATION AT DRDO

Report on MEGA TREE PLANTATION AT DRDO		
SNo	**Particulars**	**Description**
1	**Name of the event**	Mega tree plantation at DRDO
2	**Date(s) / Time**	20/07/2016
3	**Venue**	Defence Research and Development Organisation (DRDO),KANCHANBAGH.
4	**In collaboration / association with**	12/2 coy 2 T BN NCCand DRDO.
5	**Total Number of participants**	Bhavans Vivekananda College SD-06 Lecturer-1 Total-07
6	**VIP(S) PRESENT**	-
7	**In charges (if any)**	Sgt. Satyanarayana Reddy
8	**Highlights**	1. Programme was organised by NCC at DRDO. 2. 6 cadets along with 1 lecturer have planned saplings with DRDO staff. 3. All students actively participated in the Programme.



2016-17

Haritha Haram

Tree Plantation 23rd July 2016

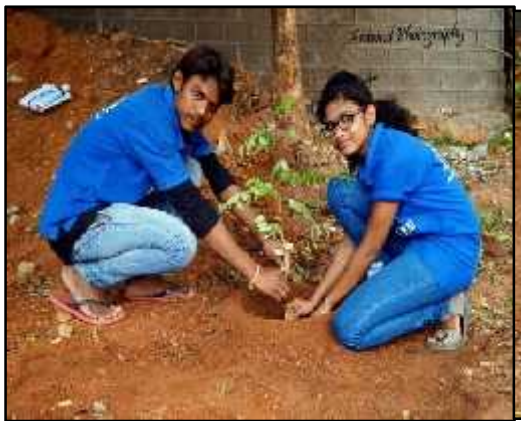
GreEnergy club, NCC unit and NSS unit of the college jointly organized Tree Plantation Program as part of Haritha Haram project of the Telangana Govt. in the college premises. The chief guest for the programme was Mr Ramachander Reddy IAS, in charge DCP Malkajgiri. The other guests included Md. Rafeeq, ACP Bolaram, Dr Maithri and Mrs Jyothi from GHMC. A total of 300 saplings were planted in the college Campus. The whole program was actively carried out by the students and staff of the college led by the Principal, Prof. Y. Ashok, and Heads of the Departments. Air Comdr. J. L. N Sastry, (Retd.) VSM, Vice Chairman BVB, Sainikpuri Kendra and Col M. Vijay Rao, Hon Dir BVC, Sainikpuri also planted trees as part of the programme.


NATIONAL SERVICE SCHEME

Activities 2016-17

Report on HARITHA HARAM 10th July 2016

NSS unit participated in HARITHA HARAM at GHMC dumping yard at Jawahar Nagar on 10th July 2016. The guest for the program was Sri K T Ramarao, Minister, Govt.ofTelangana and he was not able to participate because of his busy schedule but the students enthusiastically volunteered (20 students from BVC) to plant the trees and plants to imbibe the culture of social responsibility.




List of Plants

The college has nearly **78** different plant species that includes ornamental plants, potted plants, shrubs, herbs, trees and grass.

The campus is lush green with trees rich in medicinal values, such as *Neem, Areca palm, Bottle brush, Bauhinia, Cassia, Delonix, Jacaranda, Tecoma, Tabebuia, Cymbopogoncitratus, Emblica, Lagerstroemia, Ocimum gratissimum, Mimusopselengi*.The management encourages the students and staff to participate in tree plantation programmes regularly on the campus.

S No	Scientific Name
1	*Acalypha wilkesiana tricolor*
2	*Acalypha hispida*
3	*Acalypha wilkesiana forma circinata*
4	*Acalypha wilkesiana macrophylla*
5	*Achrus sapota*
6	*Aegle marmelos*
7	*Allamanda violacia*
8	*Allamanda cathartica*
9	*Aloe vera*
10	*Alstonia scholaris*
11	*Alternanthera bettzickiana*
12	*Araucaria heterophylla*
13	*Artabotrys odoratissimus*
14	*Azadirachta indica*
15	*Bambusa*
16	*Bauhinia racemosa*
17	*Bauhinia blakiana*
18	*Bougainvillea spectabilis*
19	*Bougainvillea rubraplana*
20	*Butea monosperma*
21	*Caesalpinia pulcherrama*
22	*Callistemon speciosus (Bottle brush)*
23	*Calotropis gigantean*
24	*Carica papaya*
25	*Caryota mitis*
26	*Cestrum nocturnum*
27	*Chlorophytum glaucum*
28	*Chrysalidocarpus lutescens*
29	*Crotolaria trifolia*
30	*Cycas revolute*
31	*Cyperus alternifolius*
32	*Delonix regia*
33	*Dieffenbachia seguine*
34	*Dracaena fragrans*
35	*Dracaena marginata*
36	*Dracaena reflexa*
37	*Dracaena sanderiana*
38	*Duranta erecta*
39	*Echeveria agavoides*
S No	Scientific Name

40	*Eucalyptus sideroxylon*
41	*Euphorbia mili*
42	*Ficus religiosa*
43	*Furcraea giganteamediopicta*
44	*Hibiscus rosa-sinensis*
45	*Ixora chinensis*
46	*Ixora duffii*
47	*Ixora singaporensis*
48	*Jatropha curcas*
49	*Jatropha panduraefolia*
50	*Lagerstroemia indica*
51	*Lantana camara*
52	*Leucaena leucocephala*
53	*Livistonia rotundifolia*
54	*Mangifera indica*
55	*Michelia champaca*
56	*Millingtonia hortensis*
57	*Mimusops elengi*
58	*Neolamarckia cadamba*
59	*Nerium odorum*
60	*Nyctanthes arbor-tristis*
61	*Peltophorum pterocarpum*
62	*Phyllanthus emblica*
63	*Plumeria alba*
64	*Polyalthia longifoliavar.pendula*
65	*Pongamia pinnata (Biodiesel plant)*
66	*Psidium guajava*
67	*Rosa* sps.
68	*Spathodea campanulata*
69	*Syzygium cumini*
70	*Tabernaemontana coronaria*
71	*Tabernaemontana variegate*
72	*Tamarindus indica*
73	*Tecoma stans*
74	*Terminalia catappa*
75	*Thuja orientalis*
76	*Thunbergia erecta*
77	*Moringa olifera*
78	*Prunus dulcis*

Polyhouse

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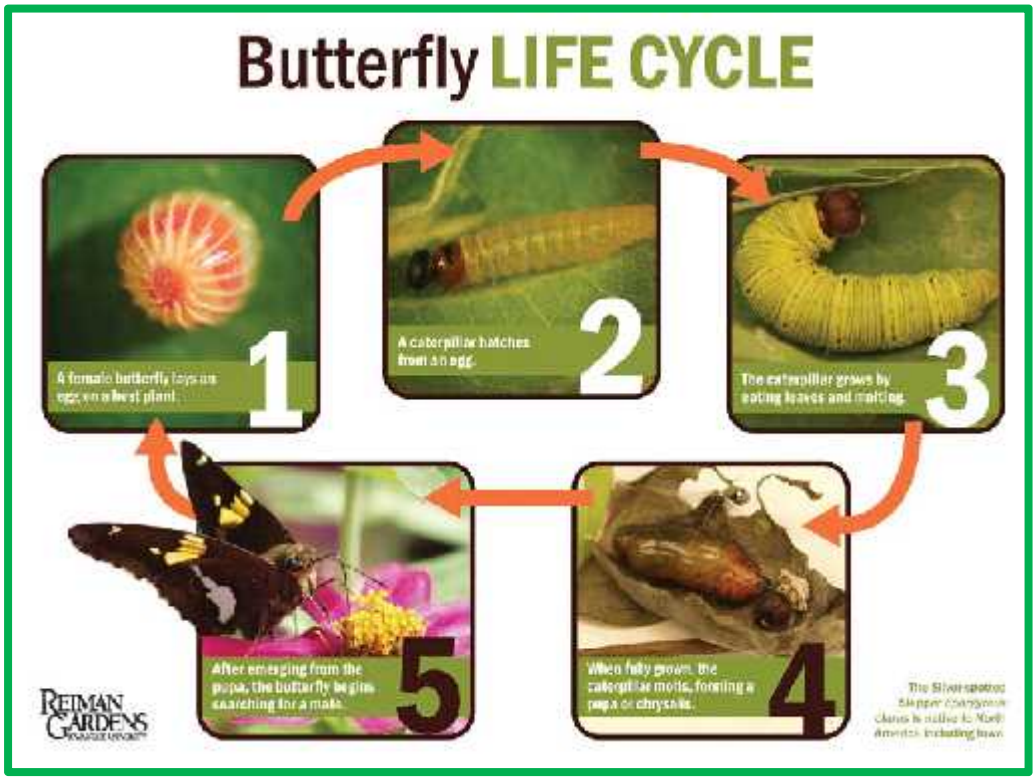
Butterflies on Campus- 2019-20

The class Insecta is divided into a number of lesser groups or orders such as Coleoptera, Hymenoptera, Diptera and Lepidoptera. In these orders, Lepidoptera includes butterflies and moths. Lepidoptera means 'scaly winged' in *Greek* whereas 'Lepidos' stands for 'scale' and 'pteron' stands for 'wing'. The life cycle of a butterfly is well known. Here, the larval stage is the longest and the adult stage is probably the shortest which is required for mating and egg-laying. Therefore, due to this complex life cycle there are certain times of the year, where there is high butterfly diversity in an area and at other times, it is comparatively low. All the butterflies recorded on the campus were at their adult stage.



Credit: https://www.reimangardens.com/butterfly/what-are-the-different-life-stages-of-a-butterfly/

An important part of butterfly life cycle is the host plant(s). Each species of butterflies is dependent on one or more plant species for their survival during the early larva and pupa stages. This is because the larvae feeds on the leaves of only these species of plant(s) and no other. Therefore, these plants are called as larval host plants. The eggs are laid by the female on the host plant or near the host plant. There might be a case where the same plant can be a host for

more than one species. Hence if the host plant(s) go extinct, then the species of butterfly dependent on the host plant(s) will also go extinct.

Butterflies are classified into two superfamilies,

- *Hespiriodea*
- *Pipilionoeda*

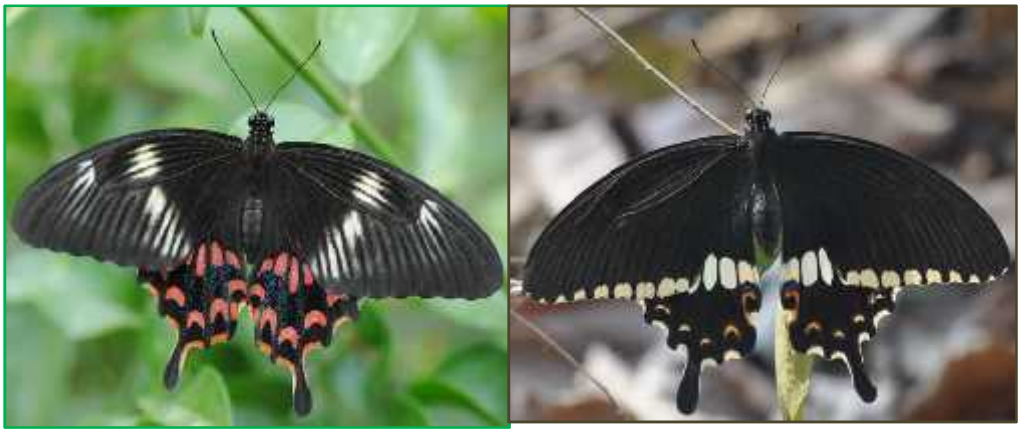
*Hesperiodea*includes all the skippersand *Papilionodea* includes the rest. *Hesperiodea* consists of a single family of *Hesperiidae* (Skippers), whereas

Papilionodea has four families: Papilionidea (Swallowtails), Pieridae (White and Yellows), *Nymphalidae* (Brush-footed butterflies) and *Lycaenidae* (Blues). These are the families under which all the butterflies were recorded at Bhavan's Vivekananda College fall in.

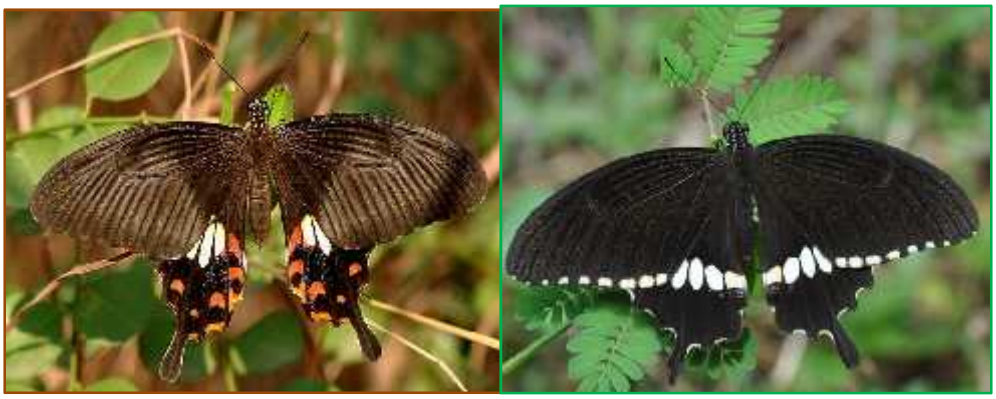
At Bhavan's Vivekananda College, till now 20 species of butterflies were recorded. Although given the greenery and diversity of tree species, there could be more species that are yet to be recorded. The recorded butterfly species are arranged according to the family as follows:

I. Papilionidea

1**.** *Papilio polytes Romulus* (Indian Common Mormon)

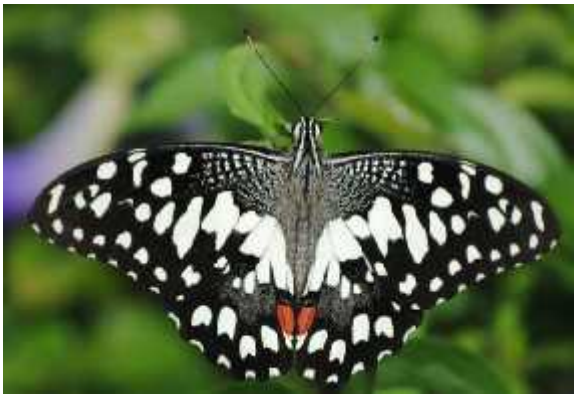


Female, form *romulus*Female, form *cyrus*

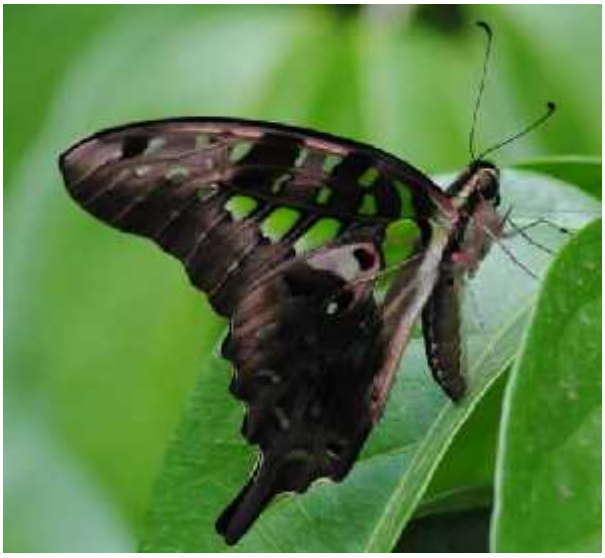


Female, form *stichius* Male

2. *Papilio demoleus demoleus* (Northern Lime Swallowtail)

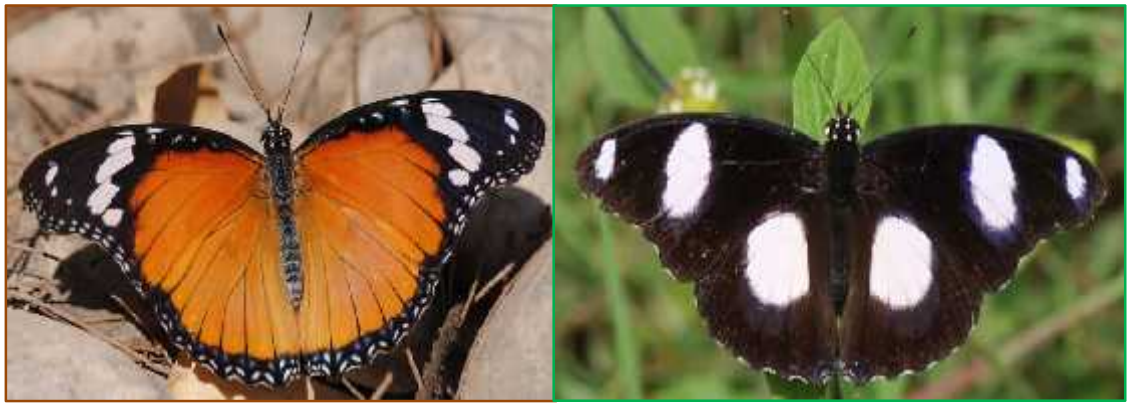


3.*Graphium agamemnon menides* (Dakhan Tailed Jay)



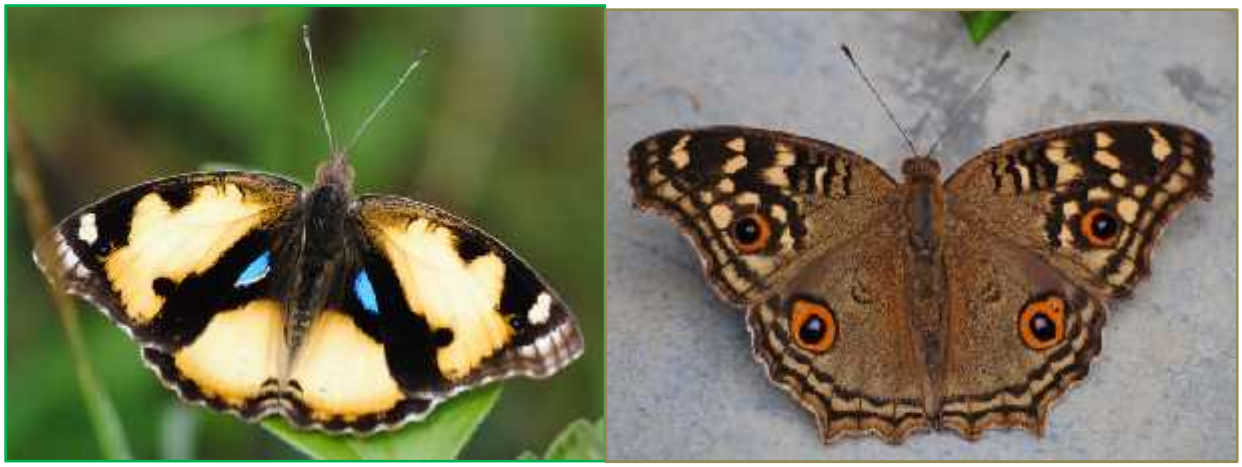
II.Nymphalidae

1. *Hypolimnas misippus* (Danaid Eggfly)

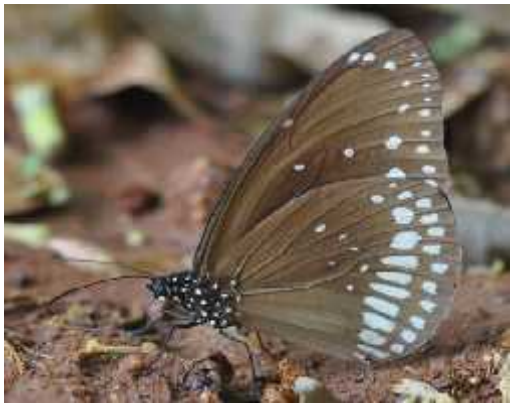


Female Male

2.*Junonia hierta hierta* (Oriental yellow Pansy)3. *Junonia lemonias lemonias* (Chinese Lemon Pansy)

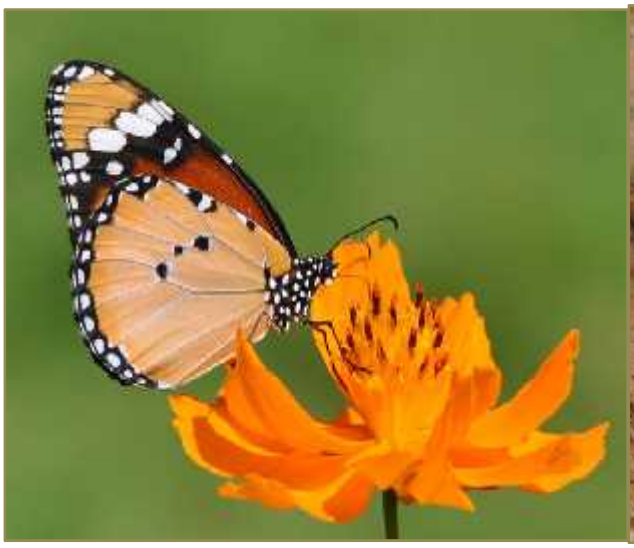


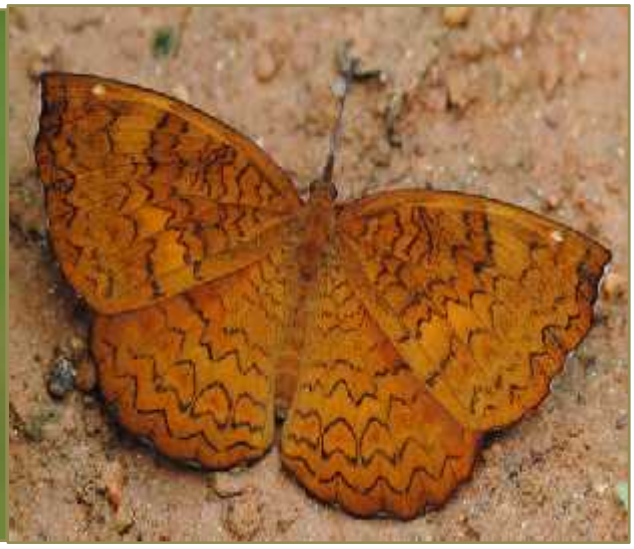
4. *Euploea core core* (Indian Common Crow)



5. *Melanitis leda leda* (Oriental Common Evening Brown)

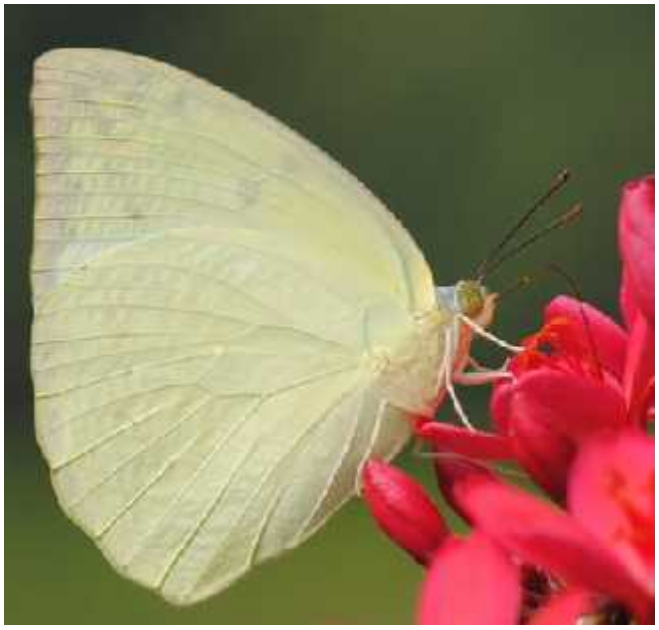
6.*Danaus chrysippus chrysippus* (Oriental Plain Tiger)7. *Ariadne merione merione* (Dakhan Common Castor)



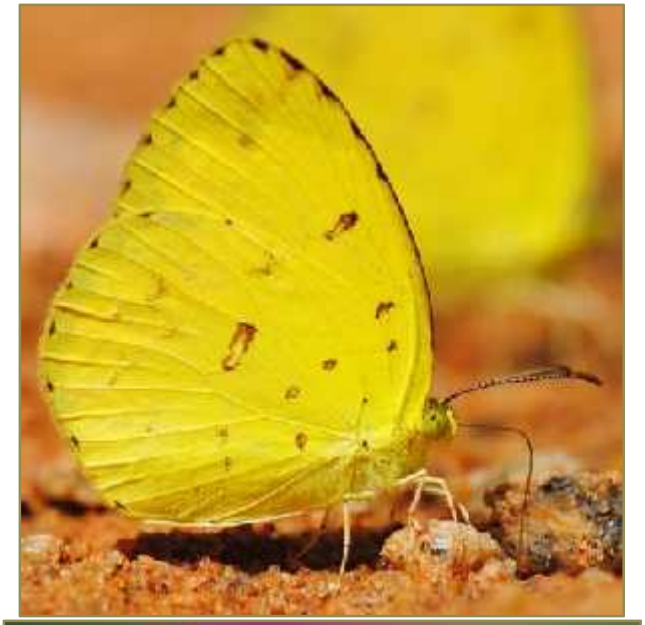


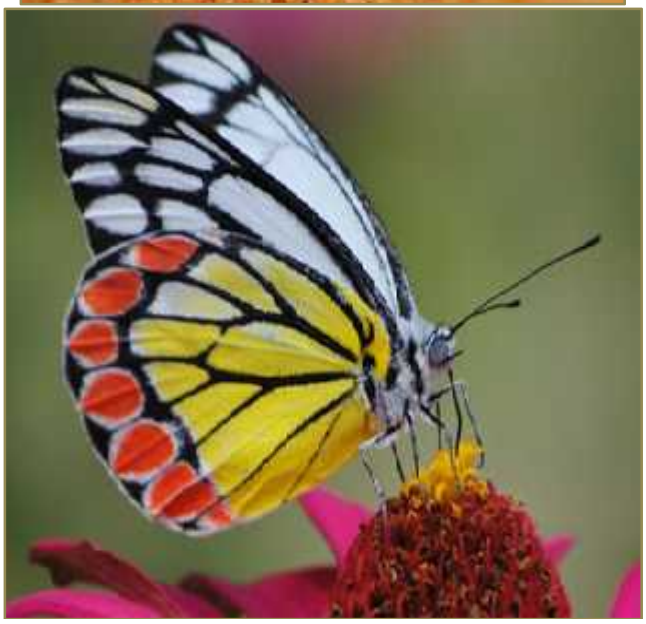
III. Pieridae

1. *Catopsilia pomona Pomona* (Oriental Lemon Emigrant)



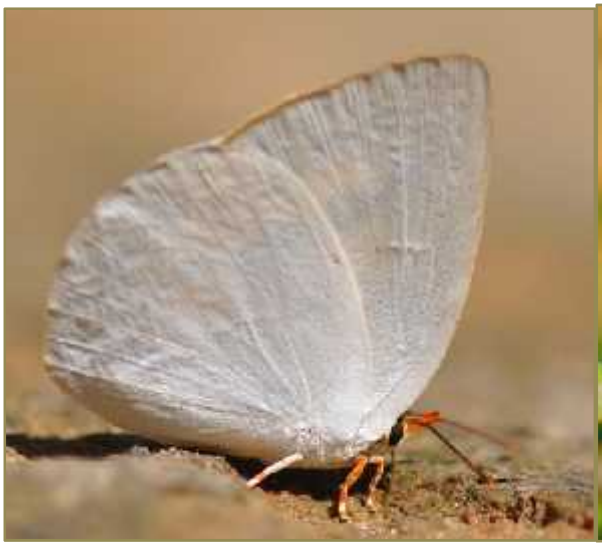
2. *Eurema hecabe hecabe*3. *Delias eucharis*(Indian Jezebel)
(Oriental Common Grass Yellow)



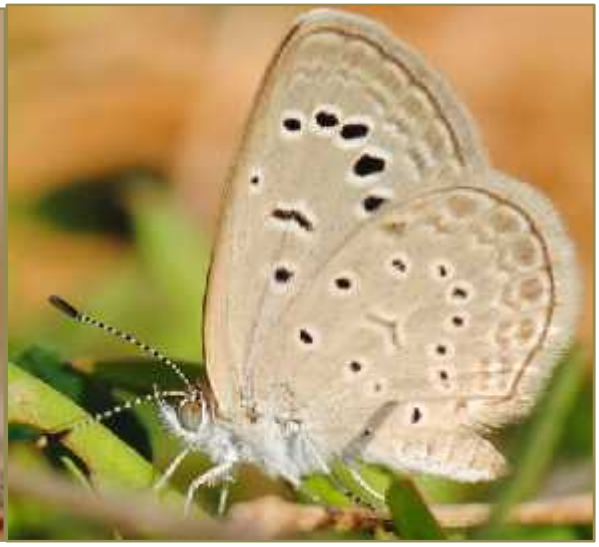


IV. Lycaenidae

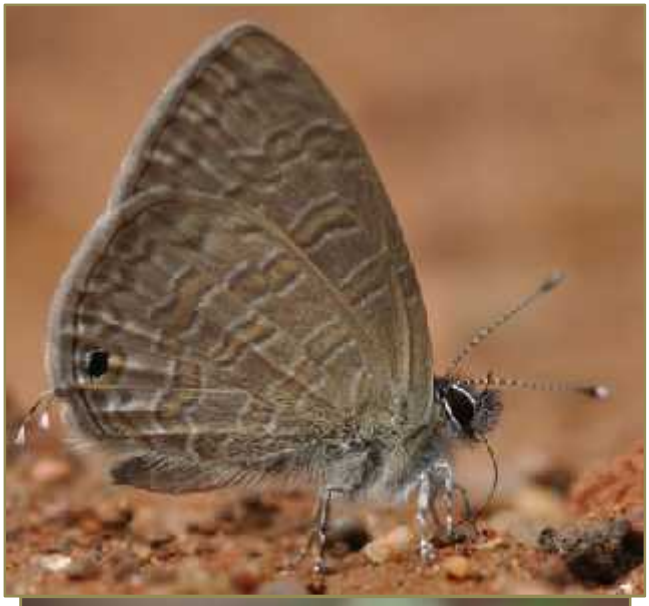
1.*Curetis thetis* (Indian Sunbeam)2. *Zizeeria karsandra* (Dark Grass Blue)

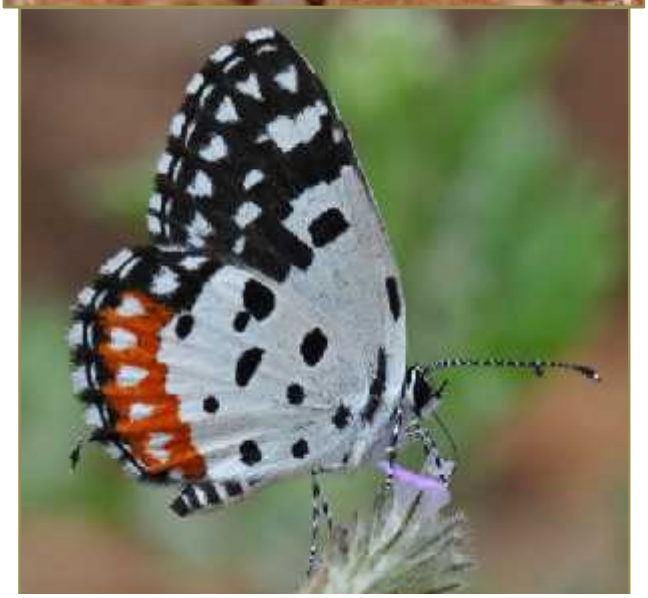


3.*Prosotas nora ardates* (Indian Common Lineblue)

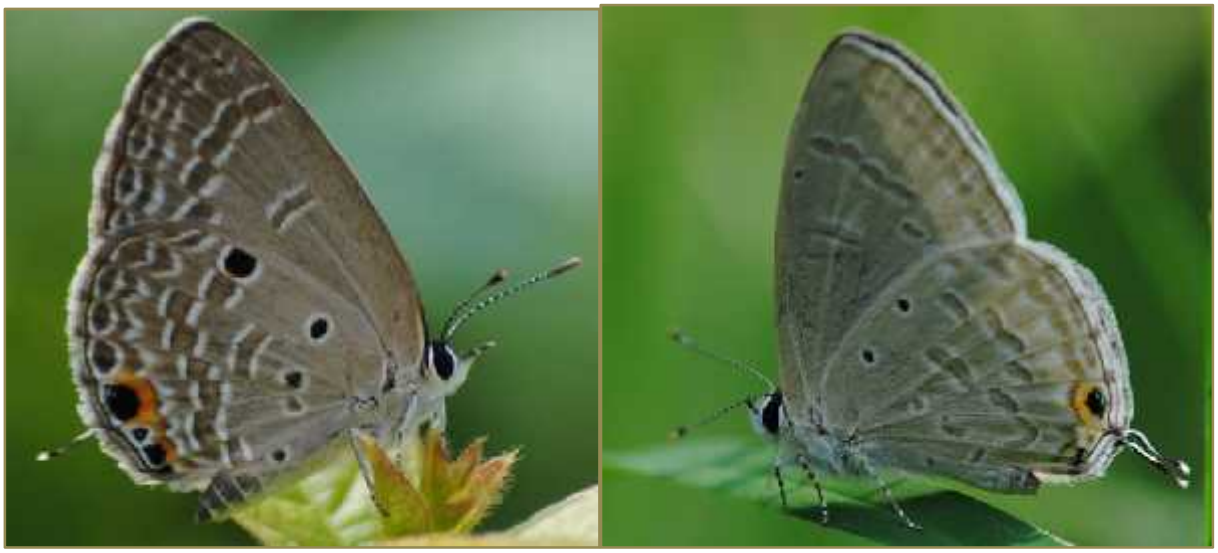


4. *Talicada nyseus nyseus* (Indian Red Pierrot)

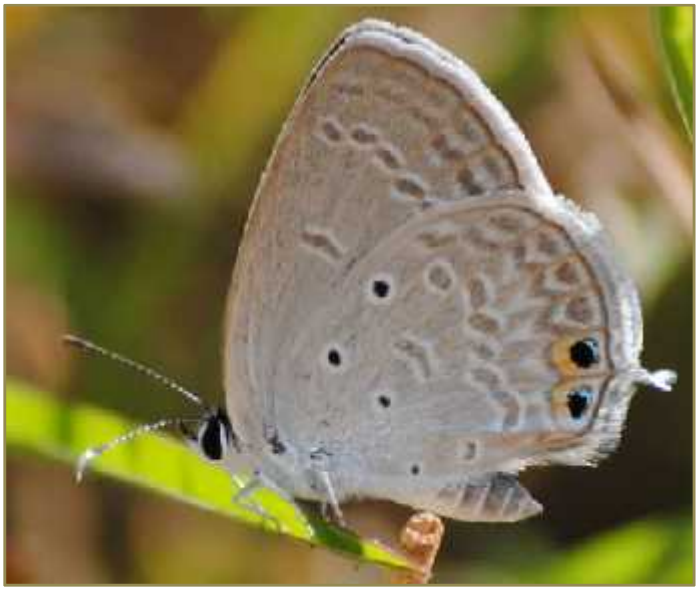




5. *Chilades pandava pandava* (Oriental Plains Cupid) 6. *Catochrysops strabo strabo* (Oriental Forget-me-not)



7.*Euchrysops cnejus cnejus* (Oriental Gram Blue)



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2019-20

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