

Butterflies of Andaman and Nicobar Islands: An Updated Checklist

Sant Kumar* and C. Sivaperuman

Zoological Survey of India, Andaman and Nicobar Regional Centre, Port Blair - 744 102,
Andaman & Nicobar Islands, India

*Corresponding author: snkr2012@gmail.com

Abstract

The Andaman and Nicobar Islands is a part of the two biodiversity hotspots represents highly diverse fauna and endemism. An extensive field surveys were carried out during 2008 through 2020 in various parts of Islands from Landfall island of North Andaman to Southernmost island of Great Nicobar. This paper prepared based on the field observation and also consulted available literature to prepare the updated checklist. A total of 304 species and subspecies of butterflies were reported from Andaman and Nicobar Islands.

Introduction

Butterflies are one of the best-known groups of insects and play a major role in the ecosystems functioning, including pollinations, nutrient cycling, environment health, insect-plant interactions, and climate change (Sparrow *et al.*, 1994; Hill *et al.*, 1995; Beccaloni and Gaston, 1995; Schulze and Fielder, 1998; Wood and Gillman, 1998). Tropical butterflies are not just as a potential biological indicator, but represent some of the most spectacular and visually appealing organisms in the world and play many vital roles in tropical ecosystems (Bonebrake *et al.*, 2010; Schulze *et al.*, 2010 and De Vries *et al.*, 2012). Butterflies are one of the important indicators of biodiversity, which is often used for monitoring the ecosystem response to environmental changes (Kunte, 1999; Kocher and Williams, 2000). There are about 18,500 species of butterflies found throughout the world out of which 1,318 species of Butterflies are distributed in the Indian region (Varshney and Smetacek, 2015). Many butterfly species are strictly seasonal and prefer only a particular set of habitats as they are highly sensitive to changes in temperature, humidity, and light; parameters that are easily influenced by habitat deterioration (Kunte, 1997 and Murphy *et al.*, 1990).

An attempt was made to compile the available information and provide an updated checklist of butterflies from these islands. The present paper deals with a total of 304 species/subspecies based on extensive field surveys and available literature. The first paper on the butterflies was published by Atkinson (1874), who describes two

endemic species from Andaman followed by Hewitson (1874) who has provided the first list of 41 species of butterfly from Andaman. Later, Moore (1877) updated the list of 105 butterflies of which 78 were recorded from Andaman and 33 from Nicobar. Wood-Mason and De Niceville (1880, 1881a, 1881b, 1882) raised the list up to 160. Evans (1932) provided comprehensive keys to the butterflies of the India region and raised the list to 191 species from the islands. Major additions of butterflies were largely based on the collection of Ferrar who was the Chief Commissioner of these islands for a period of 8 years (1923 to 1931). In his paper, Ferrar (1948) deals with the 268 forms of butterflies and described 133 species. Later, many researchers have contributed on the butterfly diversity of Andaman and Nicobar islands (Vane-Wright, 1993; Arora and Nandi, 1980, 1982; Chaturvedi, 1982; Khatri, 1989, 1991, 1992, 1993; Khatri and Singh, 1988; Khatri and Mitra, 1989a,b; Veenakumari and Mohanraj 1991, 1996; Chaturvedi and Hussain, 1991; Chandra and Khatri, 1995; Davidar *et al.*, 2010; Chandra and Rajan, 1996; Mohanraj and Veenakumari, 1996; Veenakumari *et al.*, 1997; Devy *et al.*, 1994, 1998; Sivaperuman *et al.*, 2010, 2011, 2012, 2014, 2016; Simhachalam, *et al.*, 2017).

But only a few researchers have added to the existing list namely, *Deliashyparete* (Linnaeus, 1758) and *Erionota thrax thraxto* (Khatri and Singh, 1987 and Prashanth Mohanraj and Veenakumari, 1991). Khatri (1989; 1993) made an attempt to update the checklist of butterfly, and reported 214 species and 236 subspecies in 116 genera belonging to five families and three subfamilies.

Prashanth Mohanraj and Veenakumari (2011) provided a comprehensive checklist of 218 species and segregate species that are stragglers, as well as those which have been erroneously reported from these islands. Varshney and Smetacek (2015) provided a synoptic catalogue of the butterflies of India, where they deal with 274 species/subspecies. Apart from the contribution in the checklist of butterflies, many other researchers have contributed to the diversity of butterflies in Andaman and Nicobar Islands.

Study area

The Andaman and Nicobar Islands are situated in the Bay of Bengal between 6° to 14° North latitudes and 92° to 94° East longitudes with 572 islands along with islets and rocky outcrops. These islands are divided into the Andaman group and Nicobar group with a total land area of 8249 km² which are separated by the ten-degree channel which is about 150 km wide 400 fathoms deep.

Andaman and Nicobar Islands is one of the major bio-geographical zones of India which is covered by 81.74% of forest cover (FSI, 2019). Of these, 5,677.52 km² is very dense forest, 683.89² km is moderately dense forest (MDF), and 381.52 km is under open forests. The forest cover has increased by 0.78² km as compared with the previous year report of 2017 (FSI, 2019). The northern tip of Andaman is 190 km away from Myanmar while, the southern tip of Nicobar is 150 km off the coast of Sumatra, Indonesia. The biota shares a close affinity with Indo-Burmese and Indo-Malayan in the Andaman and Nicobar than mainland India. The climate is tropical humid weather having two main seasons. The average temperature ranges from a minimum of 26°C to a maximum of 32°C with relative humidity 70-98% and prolongs the rainy season lasts for about 180 days (May-December) ranges from 3000 to 3300 mm per year when the island is visited by both the Southwest and the Northeast monsoons.

Methods

The study was carried out from 2008 to 2020 in the various parts of the islands. Butterflies were observed by line transect methods by Pollard (1977) and Pollard and Yates (1993) for a distance of 600 mt during morning hours from 06.00 am to 11.00 am. Identification of butterflies was made with the help of field guides and reference books (Kehimker, 2016; Evans, 1932; Ferrar, 1948).

Results and discussion

A total of 304 species and subspecies of butterflies is listed, under 145 genera and six families from Andaman and Nicobar Islands. Among the families, Nymphalidae has the highest number of butterfly species (99 Species; 32.57%), followed by Lycaenidae (98 species; 32.24%), Hesperridae (55 species; 18.09%), Pieridae (30 species; 9.87%), Papilionidae (21 species; 6.91%), while Riodinidae recorded only one species from Andaman Islands. The most diverse genus is *Euploea* with 15 subspecies (5.26%), followed by *Nacaduba* (11 subspecies; 3.62%), *Jamides* (10 subspecies; 3.29%) and *Arhopala* (8 subspecies; 2.30%). A total 176 species/subspecies

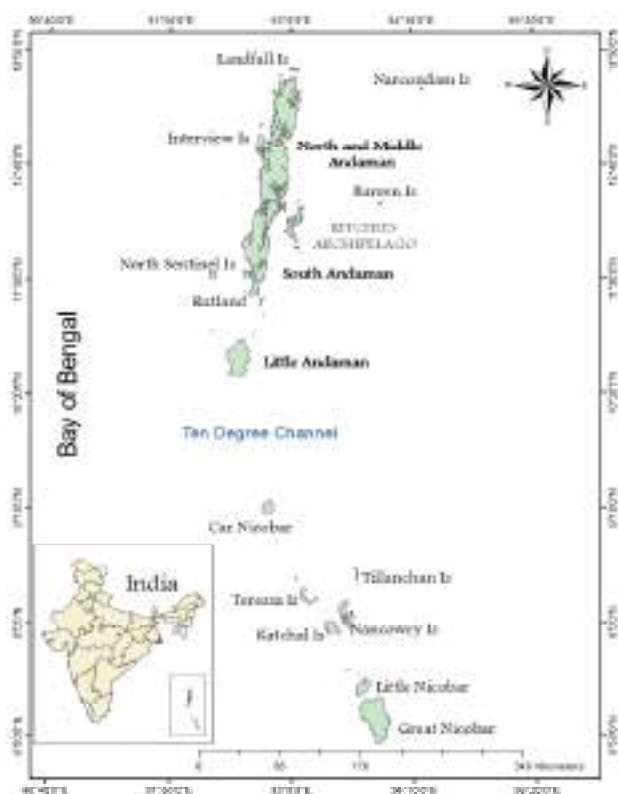


Fig. 1. Map of Andaman and Nicobar Islands

endemic butterflies were recorded from different groups of Islands. The Andaman group constitutes 209 species

of butterflies while Nicobar constitutes 147 and 52 were common in both the groups (Table 1).

Table 1: Occurrence of butterfly in Andaman and Nicobar Islands

	Andaman groups	Nicobar groups	Both groups
Nymphalidae	63	46	10
Papilionidae	12	10	2
Pieridae	18	19	6
Lycaenidae	69	47	18
Hesperiidae	46	25	16
Riodinidae	1	-	-
	209	147	52

Fifteen species of butterflies were endemic to these Islands, of which, 12 are exclusively endemic to Andaman Islands namely, Andaman Swallowtail *Graphium epaminondes*, Andaman Clubtail *Losaria rhodifer*, Andaman Mormon *Papilio mayo*, Color Sergeant *Athyma nefte*, Andaman Viscount *Tanaecia cibaritis*, Andaman Crow, *Euploea andamanensis*, White Oakleaf *Kallima albofasciata*, Andamanese Eyed Bushbrown *Mycalesis radza*, Andaman Palmking *Amathusia andamanensis*, Andaman Tailless Oakblue *Arhopala zeta*, Andaman Violet Onyx *Horaga albimacula* and Andaman Great Orange Tip *Hebomoia roepstorffii* and three are from Nicobar islands

such as Nicobar Yeoman *Cirrochroa nicobarica*, Nicobar Map *Cyrestis tabula* and Nicobarese Blind Bushbrown *Mycalesis manii*. Recent molecular phylogeny studies by Wei *et al.* (2017) revealed that species *cottonis* to the genus *Elymnias* have been synonymised and these taxa are placed under the subspecies of *hypermnestra*. Similarly, Andaman Nawab *Charaxes andamanicus* (Fruhstorfer, 1906) was treated as a subspecies of *Charaxes athamas andamanicus* (Fruhstorfer, 1906) but, based on the recent molecular work by Toussaint *et al.* (2015) the species *athamas* has species complicity now it is treated as a distinct species (Table 2).

Table 2. Recent changes in the taxonomic classification of Butterflies

Sl. No.	Scientific Name	Current Nomenclature	References
1	<i>Polyura athamas andamanicus</i> (Fruhstorfer, 1906)	<i>Charaxes andamanicus</i> (Fruhstorfer, 1906)	Toussaint <i>et al.</i> , (2015)
2	<i>Polyura schreiber tisamenus</i> (Fruhstorfer, 1914)	<i>Charaxes schreiber tisamenus</i> (Fruhstorfer, 1914)	Toussaint <i>et al.</i> , (2015)
3	<i>Elymnias cottonis cottonis</i> (Hewitson, 1874)	<i>Elymnias hypermnestra cottonis</i> (Hewitson, 1874)	Wei <i>et al.</i> , 2017
4	<i>Elymnias cottonis jennifferae</i> Suzuki, 2006	<i>Elymnias hypermnestra jennifferae</i> Suzuki, 2006	Wei <i>et al.</i> , 2017
5	<i>Euthalia teuta teutoides</i> (Moore, 1877)	<i>Bassarona teuta teutoides</i> (Moore, 1877)	Kunte <i>et al.</i> , 2020
6	<i>Lethe europa tamuna</i> de Niceville, 1887	<i>Lethe tamuna</i> de-Niceville, 1887	Kunte <i>et al.</i> , 2020

7	<i>Appias libythea olferna</i> Swinhoe, 1890	<i>Appias olferna</i> Swinhoe, 1890	Kunte <i>et al.</i> , 2020
8	<i>Appias paulina galathea</i> (C. & R. Felder, [1865])	<i>Appias galathea</i> (C. & R. Felder, [1865])	Kunte <i>et al.</i> , 2020
9	<i>Erionota hiraca hiraca</i> (Moore, 1881)	<i>Erionota acroleuca</i> (Wood-Mason & De Niceville, 1881)	Xue and Lo 2015

Of the recorded species, a total of 68 species and subspecies of butterflies were protected under Schedule I, II and IV of the Indian Wildlife (Protection) Act, 1972, (Anon., 2014) (Table 1). Seventeen species were designated under Schedule I, 45 species are under schedule II and 6 species were included in Schedule IV.

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Table 3: Updated checklist of Butterflies from Andaman and Nicobar Islands

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
Nymphalidae					
1	Oriental Banded Yeoman	<i>Algia fasciata fasciata</i> (C. & R. Felder, 1860)	I		✓
2	Andaman Palm king	<i>Amathusia andamanensis</i> Fruhstorfer, 1899	II	✓	
3	Andaman Sergeant	<i>Athyma rufula</i> de Niceville, [1889]		✓	
4	Andaman Banded Marquis	<i>Bassarona teuta teutoides</i> (Moore, 1877)	II	✓	
5	Andaman Red Lacewing	<i>Cethosia biblis andamanica</i> Stichel, 1902		✓	
6	Nicobar Red Lacewing	<i>Cethosia biblis nicobarica</i> (C. Felder, 1862)			✓
7	Bengal Leopard Lacewing	<i>Cethosia cyane</i> (Drury, [1773])			
8	Andaman Nawab	<i>Charaxes andamanicus</i> (Fruhstorfer, 1906)	II	✓	
9	Andaman Twany Raja	<i>Charaxes bernardus agna</i> Moore, 1878		✓	
10	Variable Tawny Rajah	<i>Charaxes bernardus hierax</i> C. & R. Felder, [1867]		✓	
11	Nicobar Yeoman	<i>Cirrochroa nicobarica</i> (Wood Mason & de Niceville, 1881)			✓
12	Andaman Common Yeoman	<i>Cirrochroa tyche anjira</i> Moore, 1877		✓	
13	Andaman Rustic	<i>Cupha erymanthis andamanica</i> Moore, [1900]		✓	
15	Nicobar Rustic	<i>Cupha erymanthis nicobarica</i> (C. Felder, 1862)			✓
16	Thai Marbled Map	<i>Cyrestis cocles cocles</i> (Fabricius, 1787)	II	✓	
17	Nicobar Map	<i>Cyrestis tabula</i> deNiceville, 1883			✓

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
18	Andaman Map Butterfly	<i>Cyrestis thyodamas andamanica</i> Wood-Mason & de Niceville, 1881		✓	
19	Oriental Plain Tiger	<i>Danaus chrysippus chrysippus</i> (Linnaeus, 1758)		✓	✓
20	Striped Tiger	<i>Danaus genutia genutia</i> (Cramer, [1779])		✓	✓
21	Camorta White Tiger	<i>Danaus melanippus camorta</i> (Evans, 1932)			✓
22	White Tiger	<i>Danaus melanippius nessipus</i> (C. Felder, 1862)			✓
23	Malaya Tiger	<i>Danaus affinis malayana</i> (Fruhstorfer, 1899)			✓
24	Andaman Great Duffer	<i>Discophora timora andamensis</i> Staudinger, 1887	II	✓	
25	Andaman Great Duffer	<i>Doleschallia bisaltide andamanensis</i> Fruhstorfer, 1899	I	✓	
26	Palmfly	<i>Elymnias hypermnestra jennifferae</i> Suzuki, 2006		✓	
27	Andaman Palm fly	<i>Elymnias hypermnestra cottonis</i> (Hewitson, 1874)		✓	
28	Nicobar Studded Palmfly	<i>Elymnias panther mimus</i> Wood Mason & de Niceville, 1881			✓
29	Andaman Crow	<i>Euploea andamanensis</i> Atkinson, [1874]		✓	
30	Little Andaman Crow	<i>Euploea andamanensis bumila</i> Evans, 1932: 10A		✓	
31	Sentinel Andaman Crow	<i>Euploea andamanensis ferrari</i> Tytler, 1939		✓	
32	Camorta Spotted Crow	<i>Euploea crameri biseriata</i> (Moore, 1883)			✓
33	Car Nicobar Spotted Crow	<i>Euploea crameri esperi</i> C. Felder, 1862			✓
34	Spotted Black Crow	<i>Euploea crameri frauenfeldii</i> C. Felder, 1862			✓
35	Blue Banded Crow	<i>Euploea eunice novarae</i> C. Felder, 1862			✓
36	Plain Blue Crow	<i>Euploea modestamodesta</i> Butler, 1866			
37	Blue Spotted Crow	<i>Euploea midamus chloe</i> (Guerin-Meneville, 1843)			✓
38	Andaman Spotted Crow	<i>Euploea midamus roepstorffi</i> (Moore, 1883)		✓	
39	Striped Blue Crow	<i>Euploea mulciber mulciber</i> (Cramer, [1777])	IV	✓	
40	Great Crow	<i>Euploea phaenareta castelnaui</i> C & R Felder, [1865]			✓
41	Camorta Cinnamon Crow	<i>Euploea scherzericamorta</i> Moore, 1877			✓
42	Great Nicobar Cinnamon Crow	<i>Euploea scherzerisimulatrix</i> Wood-Mason & de Niceville, 1881			✓



Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
43	Car Nicobar Cinnamon Crow	<i>Euploea scherzerischerzeri</i> C. Felder, 1862			✓
44	Double Banded Crow	<i>Euploea sylvester harrisii</i> , C. & R. Felder, [1865]		✓	
45	Painted Courtesan	<i>Euripus consimilis consimilis</i> (Westwood, 1850)	II	✓	
46	Andaman Baron	<i>Euthalia acontius</i> (Hewitson, 1874)	II	✓	
47	Malayan Eggfly	<i>Hypolimnas anomala</i> (Wallace, 1869)			✓
48	Great Egg fly	<i>Hypolimnus bolina jacintha</i> (Drury, 1773)		✓	✓
49	Danaid Eggfly	<i>Hypolimnus misippus</i> (Linnaeus, 1764)	I	✓	✓
50	Andaman Pasha	<i>Herona marathus andamana</i> Moore, 1877	II	✓	
51	Andaman Tree Nymph	<i>Idea agamarschana cadelli</i> (Wood Mason & de Niceville, 1880)		✓	
52	Grey Glassy Tiger	<i>Ideopsis juvena nicobarica</i> (Wood Mason & de Niceville, 1881)			✓
53	Oriental Peacock Pansy	<i>Junonia almana</i> (Linnaeus, 1758)		✓	✓
54	Nicobar Peacock Pansy	<i>Junonia almana nicobariensis</i> (C. Felder, 1862)			✓
55	Oriental Grey Pansy	<i>Junonia atlites</i> (Linnaeus, 1763)		✓	✓
56	Oriental Yellow Pansy	<i>Junonia hierta magna</i> (Evans, 1926)		✓	
57	Chinese Lemon Pansy	<i>Junonia lemonias lemonias</i> (Linnaeus, 1758)		✓	
58	Blue pansy	<i>Junonia orithya ocyale</i> Huebner, [1819]			✓
59	Andaman White Oakleaf	<i>Kallima albofasciata</i> Moore, 1877	II	✓	
60	Andaman Banded Dandy	<i>Laringa horsfieldi andamanensis</i> de Niceville, 1895		✓	
61	Tiger Lascar	<i>Lasippa monata monata</i> (Weyenbergh, 1874)			✓
62	Yellow Jack Sailer	<i>Lasippa viraja nar</i> (de Niceville, 1891)		✓	
63	Andaman Bamboo Treebrown	<i>Lethe europa nudgara</i> Fruhstorfer, 1911		✓	
64	Clear-eyed Treebrown	<i>Lethe tamuna</i> de-Niceville, 1887	I		✓
65	Oriental Common Evening Brown	<i>Melanitis leda leda</i> (Linnaeus, 1758)		✓	✓
66	Andaman Great Evening Brown	<i>Melanitis zitenius andamanica</i> Evans, 1923	II	✓	
67	Andaman Commander	<i>Moduza procris anarta</i> (Moore, 1877)		✓	
68	Nicobarese Blind Bushbrown	<i>Mycalesis manii</i> Doherty, 1886			✓

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
69	Chinese Dark Branded Bushbrown	<i>Mycalesis mineus mineus</i> (Linnaeus, 1758)		✓	
70	Nicobar Dark-brand Bushbrown	<i>Mycalesis mineus nicobarica</i> (Moore 1890)			✓
71	Common Bushbrown	<i>Mycalesis perseus cepheus</i> Butler, 1867		✓	
72	Andamanese Eyed Bushbrown	<i>Mycalesis radza</i> Moore, 1877		✓	
73	Andaman Long banded Bush brown	<i>Mycalesis visala andamana</i> (Moore, [1892])		✓	
74	Andaman Sullied Sailer	<i>Neptis clinia clinia</i> Moore, 1872		✓	
75	Andaman Common Sailer	<i>Neptis hylas andamana</i> Moore, 1877		✓	
76	Nicobar Common Sailer	<i>Neptis hylas nicobarica</i> Moore, 1877			✓
77	South Nicobar Common Sailer	<i>Neptis hylas sambilangsa</i> (Evans, 1932)			✓
78	Andaman Chestnut Streaked Sailer	<i>Neptis Jumbah amorosca</i> Fruhstorfer, 1905		✓	
79	Andaman Clear Sailer	<i>Neptis nata evansi</i> Eliot 1969		✓	
80	Common Medus Brown	<i>Orsotriaena medus medus</i> Evans, 1932		✓	
81	Nicobar Medus Brown	<i>Orsotriaena medus nicobarica</i> Evans, 1932			✓
82	White Banded Lascar	<i>Pantoporia cnacalis</i> (Hewitson, 1874)		✓	
83	Extra Lascar	<i>Pantoporia sandaca ferrari</i> Eliot, 1969		✓	
84	Andaman Glassy Tiger	<i>Parantica aglea melanoleuca</i> (Moore, 1877)		✓	
85	Dark Glassy Tiger	<i>Parantica agleoides agleoides</i> (C & R. Felder, 1860)			✓
86	Chocolate Tiger	<i>Parantica melaneus plataniston</i> (Fruhstorfer, 1910)			✓
87	Nicobar Clipper	<i>Parthenos sylvia nila</i> (Evans, 1932)	II		✓
88	Andaman Clipper	<i>Parthenos sylvia roepstorffii</i> Moore, [1897]	II	✓	
89	Short Banded Sailer	<i>Phaedyma columella binghami</i> Fruhstorfer, 1905			✓
90	Andaman Small Leopard	<i>Phalanta alcippe andamana</i> (Fruhstorfer, 1904)	II	✓	
91	Nicobar Small Leopard	<i>Phalanta alcippe fraterna</i> Moore, 1900			✓
92	Oriental common Leopard	<i>Phalanta phalantha phalantha</i> (Drury, [1773])		✓	
93	Blue Nawab	<i>Charaxes schreiber tisamenus</i> (Fruhstorfer, 1914)	I	✓	

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
94	Andaman Viscount	<i>Tanaecia cibaritis</i> Hewitson, 1874		✓	
95	Scarce Blue Tiger	<i>Tirumala gautama gautamoides</i> (Doherty, 1886)			✓
96	Oriental Blue Tiger	<i>Tirumala limniace exoticus</i> (Gmelin, 1790)		✓	✓
97	Dark Blue Tiger	<i>Tirumala septentrionis septentrionis</i> (Butler, 1874)		✓	✓
98	Painted Lady	<i>Vanessa cardui</i> (Linnaeus, 1758)		✓	
99	Andaman Cruiser	<i>Vindula erota pallida</i> Staudinger, 1885		✓	
100	Lurcher	<i>Yoma sabina vasuki</i> Doherty, 1886: 10A		✓	
Papilionidae					
101	Andaman Tailed Jay	<i>Graphium agamemnon andamana</i> (Lathy, 1907)		✓	
102	Car Nicobar Tailed Jay	<i>Graphium agamemnon decoratus</i> (Rothschild, 1895)			✓
103	South Nicobar Tailed Jay	<i>Graphium agamemnon pulo</i> (Evans, 1932)			✓
104	Andaman Sword Tail	<i>Graphium epaminondas</i> (Oberthur, 1789)		✓	
105	Andaman Great Jay	<i>Graphium eurypylus macronius</i> (Jordan, 1909)	II	✓	
106	Great Nicobar Clubtail	<i>Losaria coon sambilanga</i> (Doherty, 1886)	I		✓
107	Andaman Clubtail	<i>Losaria rhodifer</i> (Butler, 1876)		✓	
108	Camota Common Rose	<i>Pachliopta aristolochiae camorta</i> (Moore, 1877)			✓
109	Andaman Common Rose	<i>Pachliopta aristolochiae goniopeltis</i> (Rothschild, 1938)		✓	
110	Kondul Common Rose	<i>Pachliopta aristolochiae kondulana</i> (Evans, 1932)			✓
111	Car Nicobar Common Rose	<i>Pachliopta aristolochiae sawi</i> (Evans, 1932)			✓
112	Crimson Rose	<i>Pachliopta hector</i> (Linnaeus, 1758)	I	✓	
113	Andaman Common Mime	<i>Papilio clytia flavolimbatus</i> Oberthur, 1879		✓	
114	Lime Butterfly	<i>Papilio demoleus demoleus</i> Linnaeus, 1758		✓	✓
115	Andaman Mormon	<i>Papilio mayo</i> Atkinson, [1874]	II	✓	
116	Great Mormon	<i>Papilio memnon agenor</i> Linnaeus, 1758			✓
117	Nicobar Common Mormon	<i>Papilio polytes nikobarus</i> C. Felder, 1863			✓
118	Andaman Common Mormon	<i>Papilio polytes stichioides</i> Evans, 1912		✓	
119	Andaman Blue Helen	<i>Papilio prexaspes andamanicus</i> Rothschild, 1908	II	✓	

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
120	Nicobar Common Birdwing	<i>Troides helena ferrari</i> Tytler, 1926			✓
121	Andaman Common Birdwing	<i>Troides helena heliconoides</i> (Moore, 1877)		✓	
Pieridae					
122	Lemon Emigrant	<i>Catopsilia pomona</i> (Fabricius, 1775)		✓	✓
123	Mottle Emigrant	<i>Catopsilia pyranthe pyranthe</i> (Linnaeus, 1758)		✓	✓
124	Andaman Tree Yellow	<i>Gandaca harina andamana</i> Moore, [1906]		✓	
125	Nicobar Tree Yellow	<i>Gandaca harina nicobarica</i> Evans, 1932			✓
126	Andaman One-spot Grass Yellow	<i>Eurema andersoni evansi</i> Corbet & Pendlebury, 1932		✓	
127	Car Nicobar Three-spot Grass Yellow	<i>Eurema blanda moorei</i> (Butler, 1886)			✓
128	South Nicobar Three-spot Grass Yellow	<i>Eurema blanda grisea</i> (Evans, 1932)			✓
129	Three-spot Grass yellow	<i>Eurema blanda roepstorffi</i> Moore, 1907		✓	
130	Red-line Small Grass Yellow	<i>Eurema brigitta rubella</i> (Wallace, 1867)		✓	
131	Common Grass Yellow	<i>Eurema hecabe hecabe</i> (Linnaeus, 1758)		✓	✓
132	Indian Spotless Grass Yellow	<i>Eurema laeta laeta</i> (Boisduval, 1836)		✓	✓
133	Oriental Psyche	<i>Leptosia nina nina</i> (Fabricius, 1793)		✓	
134	Nicobar Psyche	<i>Leptosia nina nicobarica</i> (Doherty, 1886)			✓
135	Andaman Yellow Orange Tip	<i>Ixias pyrene andamana</i> Moore, 1877		✓	
136	Common Albatross	<i>Appias ippie darada</i> (C. & R. Felder, [1865])	II	✓	✓
137	South Nicobar Chocolate Albatross	<i>Appias lyncida galbana</i> Fruhstorfer, 1910			✓
138	Car Nicobar Chocolate Albatross	<i>Appias lyncida nicobarica</i> Moore, [1905]			✓
139	Eastern Striped Albatross	<i>Appias olferna</i> Swinhoe, 1890			✓
140	Lesser Albatross	<i>Appias galathea</i> (C. & R. Felder, [1865])			✓
141	Nicobar Pointed Albatross	<i>Saletara liberia chrysaea</i> Fruhstorfer, 1903	II		✓
142	Andaman Lesser Gull	<i>Cepora nadina andamana</i> (Swinhoe, 1889)		✓	
143	Andaman Common Gull	<i>Cepora nerissa lichenosa</i> (Moore, 1877)		✓	
144	Indo Chinese Common Gull	<i>Cepora nerissa dapha</i> (Moore, 1878)	II		
145	Painted Jezebel	<i>Delias hyparete metarete</i> Butler, 1879		✓	
146	Indian Painted Jezebel	<i>Delias hyparete indica</i> Wallace, 1867		✓	✓
147	Andaman Dark Wanderer	<i>Pareronia ceylanica naraka</i> (Moore, 1877)		✓	

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
148	Indian Wanderer	<i>Pareronia hippie</i> (Fabricius, 1787)		✓	
149	Indian Pioneer	<i>Belenois aurota</i> (Fabricius, 1793)			✓
150	Andaman Great Orange Tip	<i>Hebomoia roepstorffii</i> Wood-Mason, 1880		✓	
151	Great Orange Tip	<i>Hebomoia glaucippe khatrii</i> Suzuki, 2004		✓	
Lycaenidae					
152	Common Hedge Blue	<i>Acytolepis puspa cyanescens</i> (de Niceville, 1890)			✓
153	Common Hedge Blue	<i>Acytolepis puspa gisca</i> (Fruhstorfer, 1910)		✓	
154	Common Hedge Blue	<i>Acytolepis puspa prominens</i> (de Niceville, 1890)			✓
155	Purple Leaf-blue	<i>Amblypodia anita andamanica</i> (Riley, 1922)		✓	
156	Ciliated Blue	<i>Anthene emolus andamanicus</i> (Fruhstorfer, 1916)		✓	
157	Pointed Ciliate Blue	<i>Anthene lycaenina miya</i> (Fruhstorfer, 1916)	II	✓	
158	Pallid Oak-blue	<i>Arhopala alesia wimberleyi</i> (de Niceville, 1887)	II	✓	
159	Broad Banded Oak-blue	<i>Arhopala asinarus tounguva</i> (Grose-Smith, 1887)		✓	
160	Plain Tailless Oak-blue	<i>Arhopala asopia</i> (Hewitson, 1869)	I	✓	
161	Andaman Centaurus Blue	<i>Arhopala centaurus coruscans</i> Wood-Mason & de Niceville, 1880		✓	
162	Spotless Oak-blue	<i>Arhopala fulla andamanica</i> (Wood-Mason & de Niceville, 1881)		✓	
163	Rosy Oak-blue	<i>Arhopala selta constanceae</i> de Niceville, 1894	I	✓	
164	Andaman Tailless Oak-blue	<i>Arhopala zeta</i> (Moore, 1877)	I	✓	
165	Green Flash	<i>Artipe eryx</i> (Linnaeus, 1771)		✓	
166	Nicobar Plane	<i>Bindahara phocides areca</i> (C. Felder, 1862)	II		✓
167	Andaman Plane	<i>Bindahara phocides phocides</i> (Fabricius, 1793)	II	✓	
168	Elbowed Pierrot	<i>Caleta elna noliteia</i> (Fruhstorfer, 1918)		✓	
169	Nicobar Straight Pierrot	<i>Caleta roxus manluena</i> (C. Felder, 1862)	II		✓
170	Indo-chinese Straight Pierrot	<i>Caleta roxus roxana</i> (de Niceville, 1897)		✓	
171	Andaman Common Pierrot	<i>Castalius rosimon alarbus</i> Fruhstorfer, 1922	I	✓	✓
172	Common Pierrot	<i>Castalius rosimon rosimon</i> (Fabricius, 1775)			✓
173	Andaman Silver Forget-me-not	<i>Catochrysops panormus andamanica</i> Tite, 1959		✓	✓

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
174	Forget-me-not	<i>Catochrysops strabo strabo</i> (Fabricius, 1793)		✓	✓
175	Felder's Lineblue	<i>Catopyrops ancyra aberrans</i> (Elwes, [1893])	II		✓
176	Orchid Tit	<i>Chliaria othona</i> (Hewitson, 1865)		✓	
177	Central Nicobar Sunbeam	<i>Curetis saronis nicobarica</i> Swinhoe, 1890			✓
178	Car Nicobar Sunbeam	<i>Curetis saronis obscura</i> Evans, 1932			✓
179	Andaman Sunbeam	<i>Curetis saronis saronis</i> Moore, 1877		✓	
180	Kondula Saronis Sunbeam	<i>Curetis saronis kondula</i> Evans, 1954			✓
181	Cornelian	<i>Deudorix epijarbas amatius</i> Fruhstorfer, 1912	I	✓	✓
182	Nicobar Banded Blue Pierrot	<i>Discolampa ethion airavati</i> (Doherty, 1886)			✓
183	Banded Blue Pierrot	<i>Discolampa ethion ethion</i> (Westwood, 1851)		✓	
184	Gram Blue	<i>Euchrysops cnejus</i> (Fabricius, 1798)	II	✓	✓
185	Indian Cupid	<i>Everes lacturnus pila</i> Evans, [1925]			✓
186	Green Sapphire	<i>Heliophorus epicles latilimbata</i> Fruhstorfer, 1908		✓	
187	Andaman Voilet Onyx	<i>Horaga albimacula</i> (Wood-Mason & de Niceville, 1881)	I	✓	
188	Common Onyx	<i>Horaga onyx rana</i> de Niceville, 1889	II	✓	
189	Andaman Common Tit	<i>Hypolycaena erylus andamana</i> Moore, 1877		✓	
190	Nicobar Brown Tit	<i>Hypolycaena thecloides nicobarica</i> Evans, 1925	II		✓
191	Andaman pointed Lineblue	<i>Ionolyce helicon brunnea</i> (Evans, 1932)	II	✓	
192	Nicobar Pointed Lineblue	<i>Ionolyce helicon kondulana</i> (Evans, 1932)	II		✓
193	SilverStreak Blue	<i>Iraota timoleon timoleon</i> (Stoll, [1790])		✓	
194	Andaman Metallic Cerulean	<i>Jamides alecto fusca</i> Evans, 1932		✓	
195	Nicobar Metallic Cerulean	<i>Jamides alecto kondulana</i> (C. Felder, 1862)	II		✓
196	Dark Cerulean	<i>Jamides bochus bochus</i> (Stoll, [1882])		✓	
197	Nicobar Dark Cerulean	<i>Jamides bochus nicobaricus</i> de Niceville, 1890			✓
198	Andaman Common Cerulean	<i>Jamides celeno blairana</i> Evans, 1925		✓	
199	Nicobar Common Cerulean	<i>Jamides celeno kinkura</i> (C. Felder, 1862)			✓
200	South Nicobar Common Cerulean	<i>Jamides celeno nicevillei</i> Evans, 1925			✓
201	Glistening Cerulean	<i>Jamides elpis croculana</i> (Fruhstorfer, 1915)			✓
202	Ferrar's Cerulean	<i>Jamides ferrari ferrari</i> Evans, 1932	I		✓

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
203	Frosted Cerulean	<i>Jamides kankena</i> (C. Felder, 1862)	II		✓
204	Peablu	<i>Lampides boeticus</i> (Linnaeus, 1767)	II	✓	✓
205	Nicobar Yamfly	<i>Loxura atymnus nicobarica</i> Evans, 1932			✓
206	Andaman Yamfly	<i>Loxura atymnus prabha</i> (Moore, 1877)		✓	
207	Plain Cupids	<i>Luthrodes pandava</i> (Horsfield, [1829])		✓	✓
208	Andaman Malayan	<i>Megisba malaya presbyter</i> Fruhstorfer, 1918	II		✓
209	Variable Malayan	<i>Megisba malaya sikkima</i> Moore, 1884		✓	
210	Nicobar Rounded Sixlineblue	<i>Nacaduba berenice nicobaricus</i> (Wood-Mason & de Niceville, 1881)			✓
211	Rounded Sixlineblue	<i>Nacaduba berenice plumbeomicans</i> (Wood-Mason & de Niceville, 1881)		✓	
212	Opaque Sixlineblue	<i>Nacaduba beroe gythion</i> Fruhstorfer, 1916		✓	
213	Plane Fourlineblue	<i>Nacaduba hermus vicania</i> Corbet, 1938	II		✓
214	Transparent Sixlineblue	<i>Nacaduba kurava euplea</i> Fruhstorfer, 1916		✓	
215	South Nicobar Transparent Sixlineblue	<i>Nacaduba kurava sambalanga</i> Tite, 1963			✓
216	Andaman Large Fourlineblue	<i>Nacaduba pactolus andamanica</i> Fruhstorfer, 1916	II	✓	
217	Nicobar Large Fourlineblue	<i>Nacaduba pactolus macrophthalma</i> (C. Felder, 1862)	II		✓
218	Small Fourlineblue	<i>Nacaduba pavana singapura</i> Corbet, 1938		✓	
219	Thai Small Four-Lineblue	<i>Nacaduba pavana vajuva</i> Fruhstorfer, 1916			
220	Jewel Fourlineblue	<i>Nacaduba sanaya elioti</i> Corbet, 1938			✓
221	Andaman Violet Fourlineblue	<i>Nacaduba subperusia lysa</i> Fruhstorfer, 1916		✓	
222	Nicobar Violet Fourlineblue	<i>Nacaduba subperusia nadia</i> Eliot, 1955			✓
223	Andaman Quaker	<i>Neopithecops zalmora andamanus</i> Eliot & Kawazoe, 1983		✓	
224	Forest Quaker	<i>Pithecops corvus correctus</i> Cowan, 1966			
225	Dingy Lineblue	<i>Petrelaea dana</i> (de Niceville, [1884])		✓	
226	White Royal	<i>Pratapa deva lila</i> Moore, 1884	II	✓	
227	Barred Lineblue	<i>Prosotas aluta coelestis</i> (Wood-Mason & de Niceville, [1887])	II	✓	
228	Tailless Lineblue	<i>Prosotas dubiosa indica</i> (Evans, [1925])		✓	
229	Common Lineblue	<i>Prosotas nora dilata</i> (Evans, 1932)			✓
230	Andaman Common Lineblue	<i>Prosotas nora fulva</i> (Evans, 1925)	II	✓	

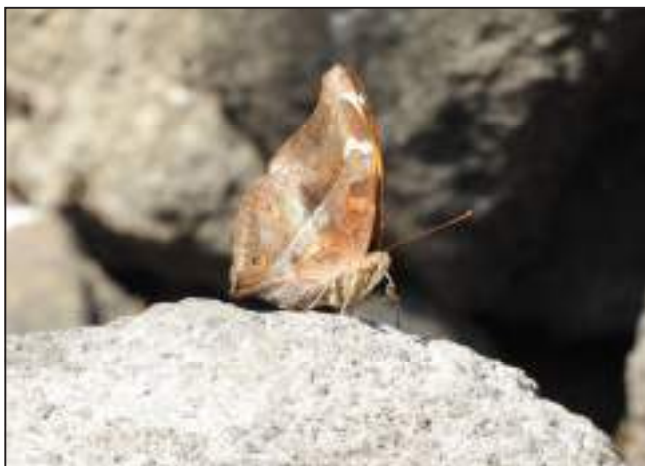
Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
231	Banded Royal	<i>Eliotiana jalindra tarpina</i> Hewitson, 1878	II	✓	
232	Malayan RedEye	<i>Rapala damona</i> Swinhoe, 1890		✓	
233	Scralet Flash	<i>Rapala dienececes intermedia</i> (Staudinger, 1888)		✓	
234	State Flash	<i>Rapala manea schistacea</i> (Moore, 1879)		✓	
235	Suffused Flash	<i>Rapala suffusa suffusa</i> (Moore, 1878)			
236	Indigo Flash	<i>Rapala varuna orseis</i> (Hewitson, [1863])	II	✓	
237	Nicobar IndigoFlash	<i>Rapala varuna rogersi</i> Swinhoe, 1911	II		✓
238	Chocolate Royal	<i>Remelana jangala andamanica</i> (Wood-Mason & de Niceville, 1881)	II	✓	
239	Common Apefly	<i>Spalgis epius epius</i> (Westwood, [1851])			✓
240	Nicobar Apefly	<i>Spalgis epius nubilus</i> Moore, [1884]		✓	✓
241	Long Banded Sliverline	<i>Spindasis lohita zoilus</i> (Moore, 1877)	II		✓
242	Burmese Acacia blue	<i>Surendra vivarna latimargo</i> Moore, 1879		✓	
243	Pecock Royal	<i>Tajuria cippus cippus</i> (Fabricius, 1798)	II	✓	
244	Scarce Guava Blue	<i>Virachola similis maseas</i> Fruhstorfer, 1912	I	✓	
245	Fluffy Tit	<i>Zeltus amasa</i> (Hewitson, 1865)		✓	✓
246	Dark Grassblue	<i>Zizeeria karsandra</i> (Moore, 1865)		✓	✓
247	Lesser Grassblue	<i>Zizina otis otis</i> Fabricius, 1787		✓	✓
248	Lesser Grassblue	<i>Zizina otis sangra</i> (Moore, [1866])		✓	✓
249	Tiny Grassblue	<i>Zizula hylax</i> (Fabricius, 1775)		✓	
Hesperiidae					
250	Forest Hopper	<i>Astictopterus jama olivascens</i> Moore, 1878		✓	
251	Brown Awl	<i>Badamia exclamationis</i> (Fabricius, 1775)		✓	✓
252	Andaman Paint Brush Swift	<i>Baoris farri scopulifera</i> Moore, [1884]	IV	✓	
253	Orange Tailed Awl	<i>Bibasis sena sena</i> (Moore, [1866])		✓	
254	Common Rice Swift	<i>Borbo cinnara</i> (Wallace, 1866)		✓	✓
255	Small Green Awlet	<i>Burara amara</i> (Moore, [1866])		✓	
256	Orange Striped Awlet	<i>Burara harisa andamana</i> Chiba & Tsukiyama, 2009		✓	
257	Andaman Orange Awlet	<i>Burara jaina astigmata</i> (Evans, 1932)		✓	
258	Andaman colon swift	<i>Caltoris cahira cahira</i> (Moore, 1877):		✓	✓
259	Andaman Yellow-banded Flat	<i>Celaenorrhinus andamanicus andamanicus</i> Wood Mason & de Niceville, 1881		✓	

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
260	Dark yellow banded Flat	<i>Celaenorrhinus aurivittatus</i> (Moore, 1879)		✓	
261	Common Spotted Flat	<i>Celaenorrhinus leucocera</i> (Kollar, [1844])		✓	✓
262	Nicobar Plain Palm Dart	<i>Cephrenes acalle nicobarica</i> Evans, 1932		✓	✓
263	Plain Palm Dart	<i>Cephrenes acalle oceanica</i> (Mabille, 1904)		✓	✓
264	Wax Dar	<i>Cupitha purreea</i> (Moore, 1877)		✓	
265	Small Palm-redeye	<i>Erionota acroleuca</i> (Wood-Mason & De Niceville, 1881)			
266	Palm Red Eye	<i>Erionota thrax thrax</i> (Linnaeus, 1767)		✓	✓
267	Banded Redeye	<i>Gangara lebadea andamanica</i> (Wood-Mason & de Niceville, 1881)		✓	
268	Giant Redeye	<i>Gangara thyraxis thyraxis</i> (Fabricius, 1775)		✓	✓
269	Andaman Common Yellow-breasted Flat	<i>Gerosis bhagava andamanica</i> Wood Mason & de Niceville, 1881		✓	✓
270	Moore's Ace	<i>Halpe porus</i> (Mabille, [1877])		✓	
271	Common Awl	<i>Hasora badra badra</i> (Moore, [1858])		✓	✓
272	Common Banded Awl	<i>Hasora chromus chromus</i> (Cramer, [1780])		✓	✓
273	Cachar Large Banded Awl	<i>Hasora khoda coulteri</i> Wood-Mason & de Niceville, [1887]		✓	
274	Voilet Awl	<i>Hasora leucospila</i> (Mabille, 1891)		✓	✓
275	Green Awl	<i>Hasora salanga</i> (Plötz, 1885)			✓
276	Andaman White banded Awl	<i>Hasora taminatus andama</i> Evans, 1949		✓	
277	Nicobar White Banded Awl	<i>Hasora taminatus milona</i> Evans, 1932			✓
278	Andaman Plain Banded Awl	<i>Hasora vitta manda</i> Evans, 1949	IV	✓	
279	Tree Flitter	<i>Hyarotis adrastus praba</i> (Moore, [1866])	IV	✓	
280	Common Redeye	<i>Matapa aria</i> (Moore, [1866])		✓	
281	Dark-banded Redeye	<i>Matapa cresta</i> Evans, 1949		✓	
282	Grey-banded Redeye	<i>Matapa druna</i> (Moore, [1866])		✓	
283	Restricted Demon	<i>Notocrypta curvifascia curvifascia</i> (C. & R. Felder, 1862)		✓	✓
284	Andaman Common Banded Demon	<i>Notocrypta paralysos paralysos</i> (Wood-Mason & de Niceville, 1881)		✓	✓
285	Andaman Common Dartlet	<i>Oriens gola gola</i> (Moore, 1877)		✓	
286	Common Dartlet	<i>Oriens gola pseudolus</i> (Mabille, 1883)			✓
287	Malay Dartlet	<i>Oriens paragola</i> de Niceville, 1895			✓

Sl. No.	Common Name	Scientific name	WPA	Distribution	
				AI	NI
288	Obscure Banded Swift	<i>Pelopidas agna agna</i> (Moore, [1866])		✓	
289	Conjoined Swift	<i>Pelopidas conjuncta conjuncta</i> (Herrich-Schaeffer, 1869)		✓	✓
290	Small Banded Swift	<i>Pelopidas mathias mathias</i> (Fabricius, 1798)		✓	✓
291	Contiguous Swift	<i>Polytremis lubricans lubricans</i> (Herrich-Schaeffer, 1869)	IV	✓	
292	Andaman Dartlet	<i>Potanthus confucius nina</i> (Evans, 1932)		✓	
293	Andaman Large Dartlet	<i>Potanthus hetaerus serina</i> (Ploetz, 1883)		✓	
294	Andaman Broad Bident Dart	<i>Potanthus trachala ottalina</i> (Evans, 1932)		✓	
295	Common Small Flat	<i>Sarangesa dasahara sandra</i> Evans, 1949		✓	
296	Andaman Small Palm Bob	<i>Suastus minutus aditus</i> Moore, 1884		✓	
297	Andaman Large Snow Flat	<i>Tagiades gana alica</i> Moore, 1877		✓	
298	Car Nicobar Suffused Snow Flat	<i>Tagiades japetus carnica</i> Evans, 1934			✓
299	Little Nicobar Suffused Snow Flat	<i>Tagiades japetus helferi</i> C. & R. Felder, 1862			✓
300	Central Nicobar Suffused Snow Flat	<i>Tagiades japetus nankowra</i> Evans, 1934			✓
301	Andaman Suffused Snow Flat	<i>Tagiades japetus ravina</i> Fruhstorfer, 1910			✓
302	Andaman Water Snow Flat	<i>Tagiades litigiosa andamanica</i> Evans, 1932		✓	
303	Andaman Plain Palm Dart	<i>Telicota colon kala</i> (Evans, 1934)		✓	
304	Andaman Purple-spotted Flitter	<i>Zographetus ogygia andamana</i> Evans, 1926		✓	
Riodinidae					
305	Andaman Plum Judy	<i>Abisara bifasciata bifasciata</i> Moore, 1877		✓	

Sources: Wood-Mason and de Nicéville 1880, 1881a, b, 1882; Evans 1932; Ferrar 1948; Khatri 1993b, Vane-Wright 1993; Veenakumari and Prashanth Mohanraj 2011

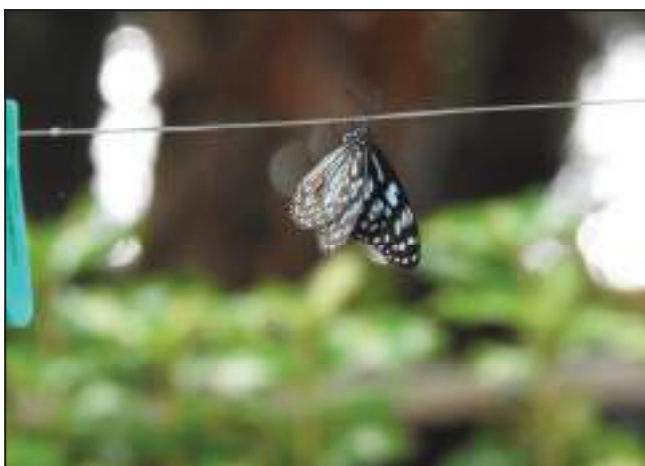
Plate 1: Nymphalidae of Andaman and Nicobar Islands



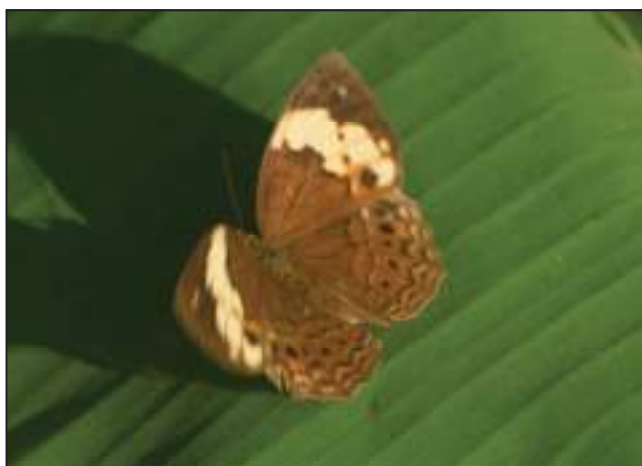
Doleschallia bisaltide andamanensis Fruhstorfer, 1899



Parthenos sylvia roepstorffii Moore, 1897



Tirumala limniace exoticus (Gmelin, 1790)



Cupha erymanthis andamanica Moore, (1900)



Hypolimnus bolina jacintha (Drury, 1773)



Vindula erota pallida Staudinger, 1885

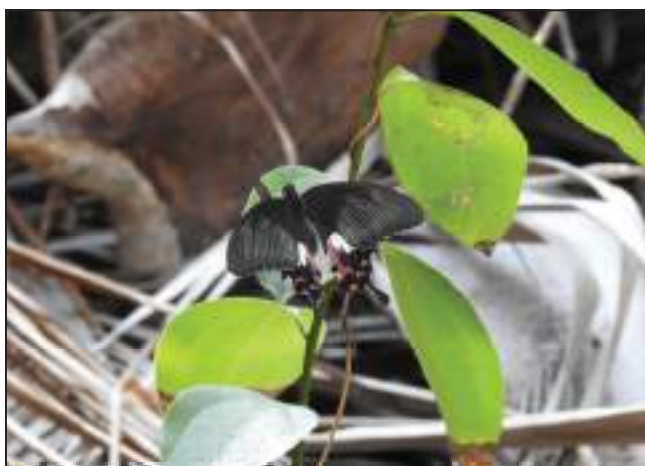
Plate 2: Papilionidae of Andaman and Nicobar Islands



Troides helena heliconoides (Moore, 1877)



Graphium epaminondas (Oberthur, 1789)



Pachliopta aristolochiae goniopeltis (Rothschild, 1938)



Papilio polytes stichioides (Evans, 1912)



Losaria rhodifer (Butler, 1876)



Papilio memnon agenor (Linnaeus, 1758)

Plate 3: Pieridae of Andaman and Nicobar Islands



Appias lyncida galbana (Fruhstorfer, 1910)



Appias albina darada (C. & R. Felder, 1865)



Leptosia nina nicobarica (Doherty, 1886)



Eurema hecabe hecabe (Linnaeus, 1758)



Cepora nerissa lichenosa (Moore, 1877)



Ixias pyrene andamana (Moore, 1877)

Plate 4: Lycaenidae of Andaman and Nicobar Islands



Deudorix epijarbas amatius (Fruhstorfer, 1912)



Nacaduba pactolus andamanica (Fruhstorfer, 1916)



Hypolycaena erylus andamana (Moore, 1877)



Bindahara phocides areca (C. Felder, 1862)



Rapala manea schistacea (Moore, 1879)



Spindasis lohita zoilus (Moore, 1877)

Plate 3: Pieridae of Andaman and Nicobar Islands



Hyarotis adrastus praba (Moore, 1866)



Halpe porus (Mabille, 1877)



Gerosis bhagava andamanica
(Wood Mason & de Niceville, 1881)



Burara harisa harisa (Moore, 1866)



Hasora taminatus andama (Evans, 1949)



Potanthus confucius nina (Evans, 1932)

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