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A REVIEW ON THE DIVERSITY OF BUTTERFLY (INSECTA: LEPIDOPTERA) FAUNA FROM BANGLADESH

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Abstract: Butterflies are widely regarded as the most reliable bioindicators of a healthy terrestrial ecosystem. This insect belongs to the order Lepidoptera of the class Insecta and plays an important role in preserving ecological dynamics. The objective of this paper is to review the species diversity of butterflies in Bangladesh. The data is based mainly on published records and field sampling. IUCN Bangladesh (2015) evaluated the threat status of 305 species of butterflies in 2015. The overall number of butterfly species in Bangladesh is now 421, with another 116 having just been added to the IUCN-Bangladesh list. Lycaenidae has the most species (125), followed by Hesperiidae (86), Nymphalidae (79), Satyridae (35), Pieridae (36), Papilionidae (32), Danaidae (19), Riodinidae (4), Amathusiidae (4), and finally Acraeidae, which has only one species. In the present review, it is shown that the family Lycaenidae has the highest percentage of butterfly species (29.69%) among the ten families. The number of Lycaenid butterflies is influenced by various factors, one of which is their ability to inhabit a diverse array of habitats. In contrast, Danaidae account for only 4.51% species of butterflies in Bangladesh, where only one Critically Endangered (CR) and endemic taxon, *Euploea crameri nicevillei* (Sundarban Crow) resides. Larval host plant documentation in the Sundarbans is essential for the conservation of this species, while the molecular data (COI gene) has already been sequenced and submitted to Genbank (MH269417). Finally, the data obtained from this paper is important for future planning and management of the conservation of the butterflies and their habitat in Bangladesh.

Key words: Butterfly, Species, Conservation, Bangladesh

INTRODUCTION

Butterflies are among the most easily recognised insects on the planet. These insects are excellent bioindicators because they respond rapidly to changes in their environment (Murphy and Weiss, 1988, Spitzer *et al.*, 1997). Due to their specific environmental requirements during courtship,

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reproduction, and nectaring, they reflect the diversity and high quality of their thriving environments (Harsh, 2014). Furthermore, the interactions between plants and pollinators mediated by butterflies play a vital role in agricultural food production, since they contribute essential ecological services that sustain world biodiversity (Ollerton, 2017).

Bangladesh is home to a diverse and thriving population of butterfly species. Due to the diversity of the country's ecological setting, the country has four main butterfly habitats: mixed-evergreen forest, deciduous or Sal forest, mangrove forest, and plain land. Although butterflies can be found throughout Bangladesh, the maximum density and diversity are found in the mixed-evergreen forest habitats of the Sylhet and Chittagong divisions. In addition, medium butterfly densities are observed in the deciduous or Sal forest region (Dhaka Division) and the Sundarbans region (IUCN Bangladesh, 2015).

The studies by Alam (1962ab), Ameen and Chowdhury (1968), as well as some other research work (Jahangirnagar University, 1998 and Dhaka University, 2000), have given several pieces of useful information about certain new species records of butterflies and their geographical distribution in Bangladesh. Besides, several new species were described in the work of the forest department of Bangladesh (Baksha, Chowdhury, 1983, 1985). Later, butterflies faunal survey on the Jahangirnagar University campus recorded 49 new species (Hossain et al., 2003, Razzak et al., 2007). Larsen, a Danish expert on insects, documented 236 species in various regions of Bangladesh and predicted that there would be more than 400 species of butterflies in Bangladesh (Larsen, 2004). Later, in 2009, the Encyclopedia of Flora and Fauna of Bangladesh (Vol. 21) listed 148 species of butterflies (Ahmad *et al.*, 2009). Subsequently, Chowdhury and Hossain (2011, 2013) authored a publication encompassing a comprehensive account of nearly 250 butterfly species. Similarly, Bashar, M.A. (2014), contributed to the field by providing detailed descriptions of over 250 species, including their taxonomy, biology, and ecology.

However, in 2015, the IUCN-Red List of Bangladesh assessed threat status of 305 butterfly species under 10 families based on data gathered from various contributors (Ameen and Chowdhury 1968, Baksha and Choudhury 1983, 1985, Alam and Ullah 1995, Hossain *et al.*, 2003, Larsen 2004, Razzak *et al.*, 2007, Ahmad *et al.*, 2009, Shefa and Hossain, 2010, Islam *et al.*, 2011, Habib *et al.*, 2012, Chowdhury and Hossain, 2013, Habib *et al.*, 2013, Khandokar *et al.*, 2013, Bashar, 2014, Khan *et al.*,2014, Hossain *et al.,* 2014, Neogi *et al.*, 2014 and Hossain, 2014 a,b). In the evaluation report, it was found that out of the 305 species, 188 species of butterflies face different categories of threats (IUCN Bangladesh 2015). According to IUCN-Bangladesh's estimates, Bangladesh is home to more than 400 species of butterflies, which is consistent with Larsen's

conjectures, provided that comprehensive and rigorous investigations are carried out inside the forested regions of the country (Larsen 2004, Chowdhury and Hossain 2013, IUCN Bangladesh 2015). At this end, so many new species have been discovered as a result of frequent studies (Neogi *et al.*, 2014, Khan, 2014, Shahadat *et al.*, 2014, Haidar *et al.*, 2014, Khan *et al.*, 2014, Hossain *et al.*, 2014, Akter *et al.*, 2015, Shihan, 2015ab, Shihan, 2016, Rahman *et al.*, 2016, Sadat *et al.*, 2016, Neogi *et al.*, 2016, Habib *et al.*, 2018, Paul *et al.*, 2021). In addition, the "Butterfly Bangladesh" a Facebook group has contributed to the finding of new butterflies and the determination of their distribution in Bangladesh.

An updated checklist of species is necessary for the efficient management of ecosystems, the creation of conservation plans, and the evaluation of their effects on the environment (Trivedi *et al.*, 2015). Also, complete inventories of a local habitat or a country can help to learn more about the ranges of a species, their threat assessment and conservation studies. This article attempts to provide a current butterfly checklist for Bangladesh. This list is based on a review of articles, books, papers, and internet sources covering last five decades.

MATERIAL AND METHODS

The compilation of the species list was made by accumulating information from earlier valid literature and scientific papers, including inventory works, faunistic surveys, field guides, and taxonomic works. The species in each family were arranged alphabetically in the checklist. To prepare this checklist, it was emphasized to review and refer to those publications that were prepared based on primary studies and scientific observations. All of these references are given in the reference section. A few species have been included from a recent survey and DNA barcoding results made by the authors that were not previously reported in Bangladesh. As the checklist is intended to be a master reference for the conservation and management plan, the author cited the latest Regional and global IUCN Red List status for each species, following IUCN (IUCN Bangladesh 2015).

RESULTS AND DISCUSSION

This article reviews the butterfly species diversity in Bangladesh based on published records and numerous field studies. IUCN Bangladesh evaluated 305 species in 2015, after which 116 species were recently added to its list (Table 1). Consequently, Bangladesh is now home to 421 species of butterflies. In the current review, Lycaenidae has the most species (125), followed by Hesperiidae (86), Nymphalidae (79), Pieridae (36), Satyridae (35), Papilionidae (32), Danaidae

(19), Riodinidae (4), Amathusiidae (4), and finally Acraeidae, which has just one species (Table 1). In the comparison (%) analysis, the family Lycaenidae has the maximum percentage of butterflies (29.69%), while the other two families, Hesperiidae and Nymphalidae, have notable abundances of 20.42% and 18.76%, respectively. The abundance of Pieridae (8.55%), Satyridae (8.31%), Papilionidae (7.60%) and Danaidae (4.51%) was moderate (Fig. 1). In 2015, the evaluation report of the IUCN-Red List of Bangladesh, it was determined that 188 out of 305 species of Butterflies are threatened by various forms of threats. One species is Critically Endangered (CR), 112 are Endangered (EN), and 75 are Vulnerable (VU). A total of 32 additional species have been classified as Data Deficient (DD). Future study will be conducted to address the existing data gaps and evaluate the Red List status of the mentioned DD species (IUCN Bangladesh, 2015).

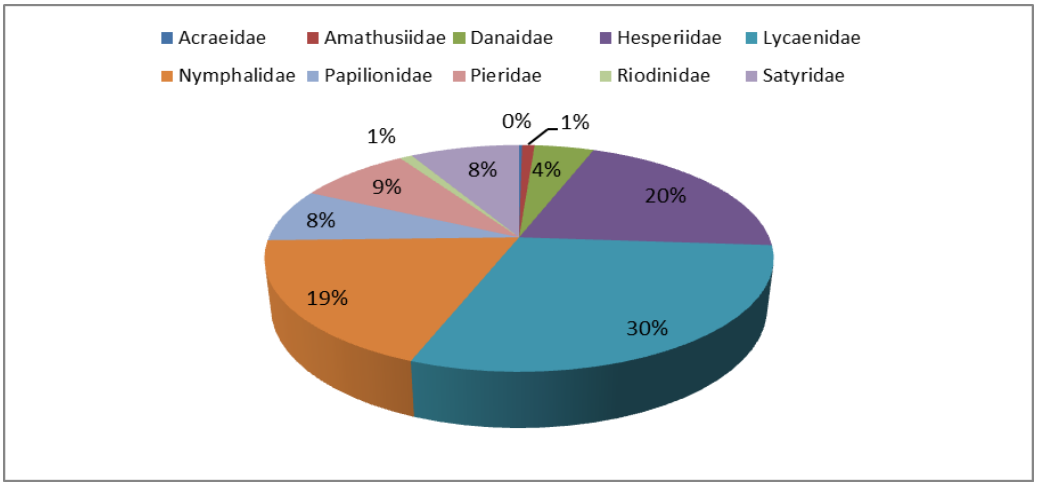

Fig. 1. Comparative analysis (%) of species diversity among ten butterfly families until 2023

116 butterflies have been added to the total list of butterflies between the time of the IUCN-Red List assessment (IUCN Bangladesh, 2015) and the present day's updated data compilation (2023), as shown by the comparison of these two time periods in Figure 2. The Lycaenidae family contained the highest number of butterflies ever recorded. Several factors contribute to the abundance of Lycaenid butterflies, including the fact that they occupy a wide range of habitats. Their adaptability allows them to thrive in various ecological niches, increasing their overall abundance (Kanagaraj and Kathirvelu 2018). In addition, they have a symbiotic relationship with other organisms, such as ants. These relationships often involve the caterpillars producing sugary secretions or emitting pheromones that attract ants, and in return, the ants protect the

caterpillars from predators. This mutualism enhances the survival rates of Lycaenidae caterpillars, contributing to their abundance (Jordano *et al.*, 1992). Besides, Lycaenidae butterflies ability to disperse over long distances is essential for colonizing new areas and finding suitable habitats. This dispersal capability allows them to spread rapidly, increasing their overall abundance in various regions.

This study revealed a rise in the number of species within the Hesperiidae and Nymphalidae groups (Fig. 1,2). Both Hesperiidae and Nymphalidae butterflies are highly adaptable and can be found in a wide range of habitats, from forests to grasslands. They have also developed diverse host plant preferences, allowing them to exploit various food resources efficiently (Tiple *et al.*, 2011). Butterflies in both families are known for their strong and agile flight. This characteristic allows them to search for food, mates, and suitable habitats over larger areas, increasing their chances of finding resources and suitable breeding sites. While some Hesperiidae butterflies possess cryptic coloration, allowing them to blend into their surroundings and avoid predation. This protective adaptation contributes to their abundance by increasing their survival rates (https://uwm.edu/field-station/skippers/). On the other hand, the overwintering strategies of many Nymphalidae butterflies have developed strategies to survive harsh conditions, such as overwintering as adults or migrating to warmer regions. These survival tactics enhance their chances of successful reproduction and population persistence (Meshcheryakova *et al.*, 2023).

In contrast, the families Satyridae, Pieridae, and Papilionidae exhibit relative abundances of 8.31%, 8.55% and 7.60%, respectively (Fig. 1,2). They can tolerate a range of conditions, which helps maintain their moderate abundance. While many Papilionidae species are associated with forests, not all species have strict forest requirements. Some swallowtails can be found in open habitats, grasslands, or even urban areas (IUCN Bangladesh 2015). Additionally, some Papilionidae species may have a broader range of host plant choices, which allows them to inhabit various environments beyond forests (Tiple *et al.*, 2011). The golden birdwing (*Troides aeacus*) is the largest butterfly species in Bangladesh and is categorised as Endangered, confronting a high degree of threat in its habitat (IUCN Bangladesh, 2015). It is renowned for its impressive size (wing span of 119 to 188 mm) and beautiful golden wings, notably in males (Chowdhury and Hossain 2013). In contrast, Danaidae account for only 4.51% of all butterfly species in Bangladesh (Fig. 1). This family of butterflies includes well-known species and has some special requirements for their abundance, and their ecological characteristics contribute to their unique population dynamics. A butterfly, Sundarbans crow, (*Euploea crameri nicevillei*), has an exclusive

adaptation and ecological interactions with the Sundarbans mangrove forest make it a noteworthy and unique member of the Danaidae family. Only the Sundarban crow is endemic to Bangladesh and restricted to a few locations in the Sundarbans among the species recorded in this family. In "The Fauna of British India, Including Ceylon and Burma Butterflies," Talbot (1947) mentioned four subspecies of *Euploea crameri*, including *E.c.nicevillei*. This butterfly is assessed as Critically Endangered (CR) by the IUCN Red List of Bangladesh (2015) and requires special conservation measures. This species should therefore be included in the Wildlife (Conservation and Security) Act of Bangladesh and CITES. Despite multiple investigations, we were not able to determine the host plant for the larva of the Sundarban crow. However, *Parsonsia helicandra* was the host plant for the Spotted black crow (*Euploea crameri bremeri*) (http://www.butterflycircle.com/checklist/showbutterfly/297). Related plant species, *Parsonsia alboflavescens*, was discovered in the

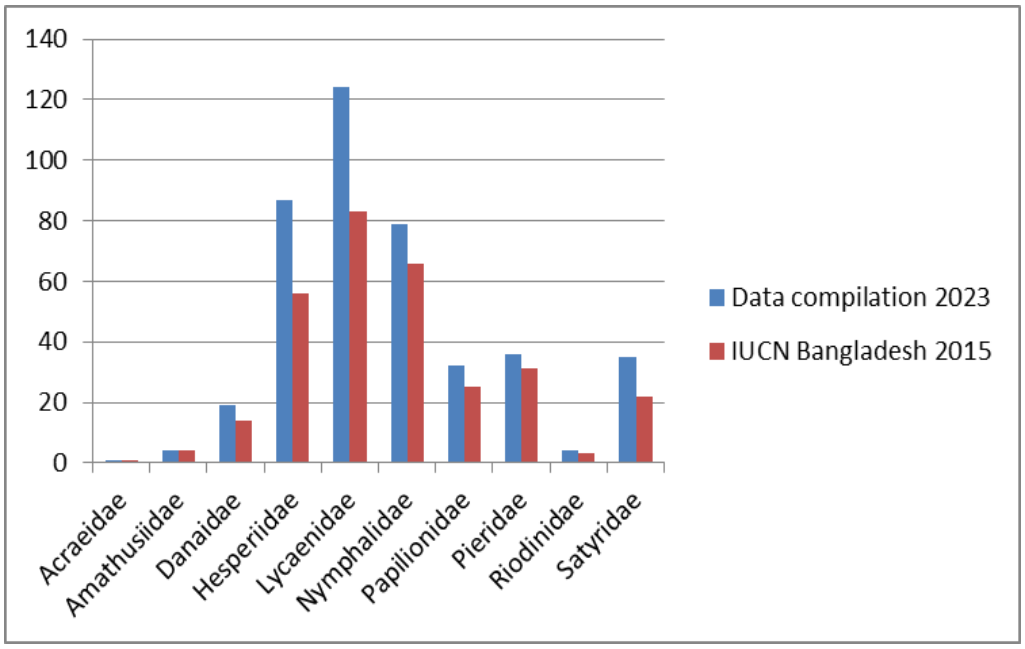

Fig. 2. Comparison of family-based species richness between IUCN-Bangladesh 2015 and data compilation in 2023.

Sundarbans by Rahman *et al.*, (2015) and served as food plants for the Common crow (*Euploea core*). Thus, it is anticipated that this species may be an excellent candidate for the larval host plant of the Sundarban crow. While the molecular data (COI gene) has been sequenced and submitted to Genbank (MH269417) by our team, as well as the whole genome sequences from mitochondria, which are

currently in progress. These are all essential for the conservation of this CR species, which is the only one in the Sundarbans.

Nonetheless, the present review is not the end of the work. Conduct extensive field surveys in the protected forest areas to observe and document the emergence of new butterfly species. Collaborate with local butterfly enthusiasts, naturalists, and scientists who are knowledgeable about the region's butterfly fauna. Bangladesh Forest Department, University departments, and NGOs such as IUCN should come forward and collaborate to reassess the threat level and the need for an overall contribution to the conservation of these pollinators. IUCN Bangladesh and the Bangladesh Forest Department recently led an expedition to Kassalang Reserve Forest in 2021 to study biodiversity, where they discovered the Straight Pierrot (*Caleta roxus*) butterfly for the first time (Monirul, 2021). Thus, we still have a great possibility of discovering new butterflies, and of course, we should ensure that our research adheres to all legal and ethical considerations by the Bangladesh Forest Department and allied agencies regarding the collection and conservation of the species.

The accurate identification of a new butterfly species using conventional means necessitates a considerable investment of time, meticulous observation, and expert consultation. In this scenario, DNA sequences from the mitochondrial cytochrome oxidase I (COI) gene can be used as a DNA barcode to distinguish between different species of animals, including insects. (Hebert *et al.*, 2003). In this connection, nearly 200 species of barcode gene (COI) of butterflies have already been deposited to NCBI Genbank by the DNA Barcoding Laboratory, Department of Zoology, Jahangirnagar University, which is very promising for assessing butterfly populations in a precise and fast way at the molecular level (Ghosh *et al.*, 2018, Ghosh *et al.*, 2019ab, Hossain *et al.*, 2021).

Because of excessive destruction of forest plants and adverse human activities inside the forest, butterflies are severely threatened in the country. Butterflies are also endangered by climate change impacts and overall environmental pollution. Therefore, habitat protection is a prime need that includes proper forest management practices for the protection and restoration of degraded habitats. Moreover, regular updating of the Red List of Butterflies of Bangladesh is necessary, which will enable us to track species and population levels of the butterflies. Finally, it is anticipated that the establishment of a butterfly park will aid in the conservation of butterflies and the plants they feed on, as well as the development of ecotourism encompassing butterfly hotspots and the organization of butterfly fairs, will significantly contribute to the butterfly conservation effort in Bangladesh.


A


B


C


D


E


F


G


H

Fig. 3. A few emblematic species of butterflies of Bangladesh, (A) Crimson Rose, (B) White Dragontail, (C) Arakan Tree Nymph, (D) Danaid Eggfly, (E) Common Jezebel, (F) Sundarban Crow, (G) Chinese Bushbrown, (H) Punchinello, (I) Common Duffer, (J) Purple Sapphire, (K) Fulvous Pied Flat and (L) Tawny Coster.

Table 1. An updated checklist of Butterflies of Bangladesh

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
Family-Acraeidae					
1	*Acraea violae* Fabricius, 1775	Tawny Coster	LC	NE	Razzak *et al.*, 2007
Family-Amathusiidae					
2	*Discophora sondaica* Boisduval, 1836	Common Duffer	LC	NE	Razzak *et al.*, 2007
3	*Discophora timora* Westwood, 1850	Great Duffer	EN	NE	IUCN Bangladesh, 2015
4	*Stichophthalma camadeva* Westwood, 1848	Northern Jungle Queen	EN	NE	Ahmad *et al.*, 2009
5	*Thaumantis diores* Doubleday, 1845	Jungleglory	EN	NE	
Family-Danaidae					
6	*Danaus affinis* Fabricius, 1775	Malay Tiger	NE	VU (ssp *jimiensis*)	Bashar M.A, 2014

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
7	*Danaus chrysippus* Linnaeus, 1758	Plain Tiger	LC	LC	Ameen and Chowdhury, 1968
8	*Danaus genutia* Cramer, 1779	Striped Tiger	LC	NE	Razzak *et al.*, 2007
9	*Danaus melanippus* Cramer, 1777	White Tiger	EN	VU (ssp *keteus*)	Ahmad *et al.*, 2009
10	*Euploea algea* Godart, 1819	Long-branded Blue Crow	EN	VU (ssp *abjecta*)	Ahmad *et al.*, 2009
11	*Euploea core* Cramer, 1780	Common Crow	LC	LC	Ameen and Chowdhury, 1968
12	*Euploea crameri nicevillei* Moore, 1890	Sundarban Crow	CR	NE	Chowdhury, 2004
13	*Euploea eunice* Godart, 1819	Blue-branded King Crow	NE	NE	Haidar *et al.*, 2014
14	*Euploea klugii* Moore, 1857	Brown King Crow	VU	NE	Ahmad *et al.*, 2009
15	*Euploea midamus* Linnaeus, 1758	Blue-spotted Crow	EN	NE	Ahmad *et al.*, 2009
16	*Euploea mulciber mulciber* (Cramer, [1777])	Striped Blue Crow	VU	NE	Chowdhury and Hossain, 2011
17	*Euploea radamanthus radamanthus* (Fabricius, 1793)	Magpie Crow	NE	VU (ssp *schreiberi*)	Shahadat *et al.*, 2014
18	*Euploea sylvester* Fabricius, 1793	Double-branded Crow	EN	NE	Ahmad *et al.*, 2009
19	*Euploea tulliolus* Fabricius, 1793	Dwarf Crow	NE	NE	Bashar M.A, 2014
20	*Parantica agleoides* C. & R. Felder, 1860	Dark Glassy Tiger	NE	NE	Bashar M.A, 2014
21	*Parantica aglea* Stoll, 1782	Glassy Tiger	VU	NE	Ahmad *et al.*, 2009
22	*Parantica melaneus* Cramer, 1775	Chocolate Tiger	EN	NE	IUCN Bangladesh, 2015
23	*Tirumala limniace* Cramer, 1775	Blue Tiger	LC	NE	Ahmad *et al.*, 2009
24	*Tirumala septentrionis* Butler, 1874	Dark Blue Tiger	VU	NE	Chowdhury and Hossain, 2011
Family-Hesperiidae					
25	*Aeromachus pygmaeus* Fabricius, 1775	Pygmy Scrub Hopper	VU	NE	IUCN Bangladesh, 2015
26	*Aeromachus stigmata* Moore, 1878	Veined Scrub Hopper	DD	NE	IUCN Bangladesh, 2015
27	*Ampittia dioscorides* (Fabricius, 1793)	Bush Hopper	NE	NE	Shihan, 2016
28	*Ancistroides nigrita*	Chocolate Demon	NE	NE	Larsen T.B, 2004

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
	diocles Moore, 1865				
29	*Astictopterus jama* Felder & Felder, 1860	Forest Hopper	LC	NE	Chowdhury and Hossain, 2011
30	*Badamia exclamationis* Fabricius, 1775	Brown Awl	VU	NE	Hossain *et al.*, 2003
31	*Baoris farri farri* Moore, 1878	Paint-brush Swift	NE	NE	Larsen T.B, 2004
32	*Baoris unicolor* Moore, 1883	Black Paint-brush Swift	EN	NE	IUCN Bangladesh, 2015
33	*Baoris chapmani* Evans, 1937	Small Paint-brush Swift	VU	NE	Chowdhury and Hossain, 2011
34	*Bibasis amara* Moore, 1865	Small Green Awlet	EN	NE	Chowdhury and Hossain, 2011
35	*Bibasis gomata* (Moore, 1865)	Pale Green Awlet	NE	NE	Foyjullah A.N, 2016
36	*Bibasis jaina* Moore, 1865	Orange Awlet	DD	NE	Chowdhury and Hossain, 2011
37	*Bibasis sena* (Moore, [1866])	Orange Tailed Awl	NE	NE	Das and Chowdhury, 2016
38	*Borbo cinnara* Wallace, 1866	Rice Swift	LC	NE	Ahmad *et al.*, 2009
39	*Burara oedipodea belesis* (Mabille, 1876)	Branded Orange Awlet	NE	NE	Neogi *et al.*, 2016
40	*Caltoris cahira austeni* Moore, 1883	Colon Swift	NE	NE	Larsen T.B, 2004
41	*Caltoris cormasa* Hewitson, 1876	Full Stop Swift	EN	NE	IUCN Bangladesh, 2015
42	*Caltoris kumara* Moore, 1878	Blank Swift	EN	NE	IUCN Bangladesh, 2015
43	*Cephrenes acalle* Höpffer, 1874	Plain Palm Dart	VU	NE	IUCN Bangladesh, 2015
44	*Cephrenes trichopepla* (Lower, 1908)	Yellow Palm Dart	NE	NE	Rahman *et al.*, 2016
45	*Celaenorrhinus aurivittata* Moore, 1878	Dark Yellow-banded Flat	EN	NE	IUCN Bangladesh, 2015
46	*Celaenorrhinus leucocera* (Kollar, [1844])	Common Spotted Flat	NE	NE	Larsen T.B, 2004
47	*Choaspes benjaminii* Guerin-Meneville, 1843	Indian Awlking	EN	NE	Chowdhury and Hossain, 2011
48	*Cupitha purreea* Moore, 1877	Wax Dart	EN	NE	IUCN Bangladesh, 2015
49	*Erionota torus* Evans, 1941	Rounded Palm-redeye	EN	NE	IUCN Bangladesh, 2015

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
50	*Gerosis bhagava* Moore, 1865	Common Yellow-breasted Flat	VU	NE	IUCN Bangladesh, 2015
51	*Gerosis phisara* Moore, 1884	Dusky Yellow-breast Flat	EN	NE	Chowdhury and Hossain, 2011
52	*Gerosis sinica* Felder & Felder, 1862	White Yellow-breasted Flat	DD	NE	IUCN Bangladesh, 2015
53	*Gangara thyrsis* Fabricius, 1775	Giant Redeye	VU	NE	Razzak *et al.*, 2007
54	*Halpe homolea* (Hewitson, 1868)	Indian Ace	NE	NE	Shihan, 2016
55	*Halpe porus* Mabille, 1876	Moore's Ace	VU	NE	Chowdhury and Hossain, 2011
56	*Halpe veluvana* Fruhstorfer, 1911	Shorthorn Ace	NE	NE	Shihan, 2016
57	*Halpe wantona* Swinhoe, 1893	Confusing Ace	NE	NE	Shihan, 2016
58	*Halpe zema zema* (Hewitson, 1877)	Banded Ace	NE	NE	Shihan, 2016
59	*Hasora badra* Moore, 1857	Common Awl	VU	NE	Ahmad *et al.*, 2009
60	*Hasora chromus* Cramer, 1780	Common Banded Awl	EN	NE	Hossain *et al.*, 2003
61	*Hasora vitta* Butler, 1870	Plain Banded Awl	DD	NE	Ahmad *et al.*, 2009
62	*Hyarotis adrastus* Stoll, 1782	Tree Flitter	VU	NE	Razzak *et al.*, 2007
63	*Iambrix salsala* Moore, 1865	Chestnut Bob	LC	NE	Razzak *et al.*, 2007
64	*Iton semamora* Moore, 1865	Common Wight	EN	NE	Chowdhury and Hossain, 2011
65	*Koruthaialos rubecula* Plötz, 1882	Changeable Velvet Bob	EN	NE	Chowdhury and Hossain, 2011
66	*Matapa aria* Moore, 1865	Common Redeye	LC	NE	Hossain *et al.*, 2003
67	*Matapa cresta* Evans, 1949	Fringed Redeye	NE	NE	Larsen T.B, 2004
68	*Matapa druna* Moore, 1865	Grey-branded Redeye	EN	NE	IUCN Bangladesh, 2015
69	*Matapa sasivarna* Moore, 1865	Black-veined Branded Redeye	VU	NE	Chowdhury and Hossain, 2011
70	*Mooreana trichoneura* Felder & Felder, 1860	Yellow Flat	EN	NE	IUCN Bangladesh, 2015
71	*Notocrypta curvifascia* Felder & Felder, 1862	Restricted Demon	EN	NE	Chowdhury and Hossain, 2011
72	*Notocrypta feisthamelii* (Boisduval, 1832)	Spotted Demon	NE	NE	Larsen T.B, 2004
73	*Notocrypta paralysos* Wood-Mason & De Nicéville, 1881	Common Banded Demon	LC	NE	Chowdhury and Hossain, 2011

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
74	*Odontoptilum angulata* Felder, 1862	Chestnut Angle	LC	NE	Chowdhury and Hossain, 2011
75	*Oriens gola* Moore, 1877	Common Dartlet	LC	NE	Chowdhury and Hossain, 2011
76	*Oriens goloides* Moore, 1881	Smaller Dartlet	VU	NE	Chowdhury and Hossain, 2011
77	*Parnara bada* Moore, 1878	Ceylon Swift	EN	NE	Chowdhury and Hossain, 2011
78	*Parnara ganga* Evans, 1937	Continental Swift	NE	NE	Larsen T.B, 2004
79	*Parnara guttatus* Bremer & Grey, 1852	Straight Swift	LC	NE	Razzak *et al.*, 2007
80	*Pelopidas agna* Moore, 1865	Obscure Branded Swift	LC	NE	Razzak *et al.*, 2007
81	*Pelopidas assamensis* de Nicéville, 1882	Great Swift	EN	NE	IUCN Bangladesh, 2015
82	*Pelopidas conjuncta* Herrich-Schäffer, 1869	Conjoined Swift	LC	NE	Chowdhury and Hossain, 2011
83	*Pelopidas mathias* Fabricius, 1798	Small Branded Swift	VU	LC	Razzak *et al.*, 2007
84	*Pelopidas sinensis* (Mabille, 1877)	Chinese Swift	NE	NE	Larsen T.B, 2004
85	*Pelopidas subochracea subochracea* (Moore, 1878)	Large Branded Swift	NE	NE	Rahman *et al.*, 2016
86	*Pithauria stramineipennis* Wood-Mason & de Nicéville, [1887]	Light Straw Ace	NE	NE	Larsen T.B, 2004
87	*Polytremis eltola* Hewitson, 1869	Yellow-spot Swift	DD	NE	IUCN Bangladesh, 2015
88	*Polytremis lubricans* Herrich-Schäffer, 1869	Contiguous Swift	EN	NE	Razzak *et al.*, 2007
89	*Potanthus confucius dushta* Fruhstorfer, 1911	Confucian Dart	NE	NE	Larsen T.B, 2004
90	*Potanthus trachala tytleri* (Evans, 1914)	Broad Bident Dart	NE	NE	Larsen T.B, 2004
91	*Pseudocoladenia dan* Fabricius, 1787	Fulvous Pied Flat	EN	NE	Ahmad *et al.*, 2009
92	*Psolos fuligo* Mabille, 1876	Dusky Partwing	EN	NE	Chowdhury and Hossain, 2011
93	*Sarangesa dasahara* Moore, 1865	Common Small Flat	VU	NE	Chowdhury and Hossain, 2011
94	*Scobura isota* (Swinhoe, 1893)	Forest Bob	NE	NE	Larsen T.B, 2004
95	*Sebastonyma dolopia* Hewitson,	Tufted Ace	EN	NE	Chowdhury and Hossain, 2011

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
	1868				
96	*Spialia galba* Fabricius, 1793	Indian Grizzled Skipper	LC	NE	Chowdhury and Hossain, 2011
97	*Suada swerga swerga* (de Nicéville, [1884])	Grass Bob	NE	NE	Larsen T.B, 2004
98	*Suastus everyx* (Mabille, 1883)	White Palm Bob	NE	NE	Habib *et al.*, 2016
99	*Suastus gremius* Fabricius, 1798	Palm Bob	EN	NE	Razzak *et al.*, 2007
100	*Suastus minuta aditia* Evans, 1943	Small Palm Bob	NE	NE	Larsen T.B, 2004
101	*Tagiades gana* Moore, 1865	Suffused Snow Flat	VU	NE	Ahmad *et al.*, 2009
102	*Tagiades japetus* Stoll, 1782	Common Snow Flat	VU	NE	Razzak *et al.*, 2007
103	*Tagiades litigiosa* Möschler, 1878	Water Snow Flat	EN	NE	Chowdhury and Hossain, 2011
104	*Tagiades menaka* (Moore, [1866])	Spotted Snow Flat	NE	NE	Neogi *et al.*, 2016
105	*Telicota bambusae* Moore, 1878	Dark Palm Dart	VU	NE	Chowdhury and Hossain, 2011
106	*Telicota colon stinga* Evans, 1949	Common Palm Dart	NE	NE	Larsen T.B, 2004
107	*Telicota linna linna* Evans, 1949	Linna Palm Dart	NE	NE	Larsen T.B, 2004
108	*Taractrocera maevius maevius* Fabricius, 1893	Common Grass Dart	NE	NE	Larsen T.B, 2004
109	*Udaspes folus* Cramer, 1775	Grass Demon	LC	NE	Ahmad *et al.*, 2009
110	*Unkana ambasa* (Moore, [1858])	Hoary Palmer	NE	NE	Haidar *et al.*, 2014
Family-Lycaenidae					
111	*Araotes lapithis* (Moore, [1858])	Witch	NE	NE	Tania K, 2015
112	*Acytolepis puspa* Horsfield, 1828	Common Hedge Blue	VU	NE	Chowdhury and Hossain, 2011
113	*Allotinus unicolor* Felder & Felder, 1865	Plain Mottle	EN	NE	IUCN Bangladesh, 2015
114	*Amblypodia anita* Hewitson, 1862	Purple Leaf Blue	EN	NE	IUCN Bangladesh, 2015
115	*Anthene emolus* Godart, 1823	Common Ciliate Blue	VU	NE	Chowdhury and Hossain, 2011
116	*Anthene lycaenina* Felder, 1868	Pointed Ciliate Blue	EN	NE	Chowdhury and Hossain, 2011
117	*Arhopala agaba agaba* Hewitson, 1862	Purple-glazed Oakblue	NE	NE	Khan M.K. 2014
118	*Arhopala alesia* C. & R. Felder, 1865	Pallid Oakblue	NE	NE	Bashar M.A, 2014
119	*Arhopala ammonides* Doherty, 1891	Little Cerulean Oakblue	DD	NE	Chowdhury and Hossain, 2011
120	*Arhopala amantes*	Large Oakblue	VU	NE	Chowdhury and

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	Hewitson, 1862				Hossain, 2011
121	*Arhopala athada apha* de Nicéville, 1895	Vinous Oakblue	NE	NE	Larsen T.B, 2004
122	*Arhopala bazaloides* Hewitson, 1878	Dusted Oakblue	DD	LC	Chowdhury and Hossain, 2011
123	*Arhopala bazalus* Hewitson, 1862	Powdered Oakblue	DD	NE	IUCN Bangladesh, 2015
124	*Arhopala centaurus* Fabricius, 1775	Centaur Oakblue	LC	NE	Chowdhury and Hossain, 2011
125	*Arhopala eumolphus* Cramer, 1780	Green Oakblue	VU	NE	Chowdhury and Hossain, 2011
126	*Arhopala fulla* (Hewitson, 1862)	Spotless Oakblue	NE	NE	Neogi *et al.*, 2016
127	*Arhopala khamti* Doherty, 1891	Luster Oakblue	NE	NE	Larsen T.B, 2004 (by Evans 1957)
128	*Arhopala nicevillei* Bethune-Baker, 1903	Large-spotted Oakblue	NE	NE	Bashar M.A, 2014
129	*Arhopala oenea* Hewitson, 1869	Hewitson's Dull Oakblue	NE	NE	Larsen T.B, 2004
130	*Arhopala paramuta* de Nicéville, 1884	Hooked Oakblue	EN	NE	Chowdhury and Hossain, 2011
131	*Arhopala paraganesa* de Nicéville, 1882	Dusky Bushblue	DD	NE	IUCN Bangladesh, 2015
132	*Arhopala perimuta perimuta* Moore, 1858	Yellowdisc Tailless Oakblue	NE	NE	Shihan, 2016
133	*Arhopala pseudocentaurus* (Doubleday, 1847)	Western Centaur Oakblue	NE	NE	Razzak *et al.*, 2007
134	*Arhopala rama ramosa* (Evans, [1925])	**Dark Oakblue**	NE	NE	Khan *et al.*, 2017
135	*Arhopala silhetensis* Hewitson, 1862	Sylhet Oakblue	LC	NE	Chowdhury and Hossain, 2011
136	*Artipe eryx* Linnaeus, 1771	Green Flash	DD	LC	Chowdhury and Hossain, 2011
137	*Azanus uranus* Butler, 1866	Dull Babul Blue	NE	NE	Alam, 1962
138	*Bindahara phocides* (Fabricius, 1793)	Plane	NE	NE	Das and Chowdhury, 2016
139	*Caleta decidia* Hewitson, 1876	Angled Pierrot	LC	LC (*Caleta caleta*)	Chowdhury and Hossain, 2011
140	*Caleta elna* Hewitson, 1876	Elbowed Pierrot	EN	NE	IUCN Bangladesh, 2015
141	***Caleta roxus* (Godart, [1824])**	Straight Pierrot	NE	NE	Monirul H.K, 2021
142	*Castalius rosimon* Fabricius, 1775	Common Pierrot	LC	NE	Hossain *et al.*, 2003

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143	*Catochrysops strabo* Fabricius, 1793	Forget-me-not	VU	NE	Razzak *et al.*, 2007
144	*Catapaecilma major* Druce, 1895	Common Tinsel	EN	NE	Chowdhury and Hossain, 2011
145	*Catochrysops panormus* (C. Felder, 1860)	Silver Forget-me-not	NE	NE	Shihan, 2016
146	*Celaenorrhinus leucocera* (Kollar, [1844])	Common Spotted Flat	NE	NE	Larsen T.B, 2004
147	*Celatoxia albidisca* Moore, 1884	White-disc Hedge Blue	DD	NE	Chowdhury and Hossain, 2011
148	*Cheritra freja* Fabricius, 1793	Common Imperial	VU	LC	Chowdhury and Hossain, 2011
149	*Chilades lajus* Stoll, 1780	Lime Blue	LC	NE	Larsen T.B, 2004
150	*Chilades parrhasius* Fabricius, 1793	Small Cupid	EN	NE	Chowdhury and Hossain, 2011
151	*Chilades pandava* Horsfield, 1829	Plains Cupid	LC	NE	Razzak *et al.*, 2007
152	*Chilades putli* Kollar, 1844	Oriental Grass Jewel	DD	NE	IUCN Bangladesh, 2015
153	*Chliaria othona* Hewitson, 1865	Orchid Tit	VU	NE	Chowdhury and Hossain, 2011
154	*Creon cleobis* (Godart, [1824])	Broad-tail Royal	NE	NE	Shihan, 2016
155	*Curetis acuta dentata* Moore, 1879	Angled Sunbeam	NE	NE	Larsen T.B, 2004
156	*Curetis bulis* Westwood, 1851	Bright Sunbeam	VU	NE	Ahmad *et al.*, 2009
157	*Curetis dentata* Moore, 1879	Toothed Sunbeam	DD	NE	IUCN Bangladesh, 2015
158	*Curetis saronis* Moore, 1877	Saronis Sunbeam	EN	NE	Razzak *et al.*, 2007
159	*Curetis thetis* Drury, 1773	Indian Sunbeam	LC	NE	Ahmad *et al.*, 2009
160	*Dacalana burmana* Moore, 1884	Tufted Royal	NE	NE	Bashar M.A, 2014
161	*Dacalana cotys* Hewitson, 1865	White-banded Royal	EN	NE	IUCN Bangladesh, 2015
162	*Dacalana penicilligera* de Nicéville, 1890	Double-tufted Royal	EN	NE	IUCN Bangladesh, 2015
163	*Deudorix epijarbas* (Moore, [1858])	Cornelian	NE	NE	Bashar M.A, 2014
164	*Discolampa ethion* Westwood, 1851	Banded Blue Pierrot	VU	NE	Chowdhury and Hossain, 2011
165	*Euchrysops cnejus* Fabricius, 1798	Gram Blue	LC	NE	Ahmad *et al.*, 2009
166	*Everes lacturnus* Godart, 1824	Indian Cupid	EN	NE	Chowdhury and Hossain, 2011
167	*Flos diardi* (Hewitson, 1862)	Bifid Plushblue	NE	NE	Neogi *et al.*, 2016

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168	*Flos fulgida* (Hewitson, [1863])	Shining Plushblue	NE	NE	Bashar M.A, 2014
169	*Heliophorus epicles* Godart, 1824	Purple Sapphire	VU	NE	Chowdhury and Hossain, 2011
170	*Hypolycaena erylus* Godart, 1824	Common Tit	VU	NE	Chowdhury and Hossain, 2011
171	***Ionolyce helicon*** **(**Felder, 1860)	Pointed Lineblue	DD	NE	Chowdhury and Hossain, 2011
172	*Iraota timoleon* Stoll, 1790	Silverstreak Blue	EN	NE	IUCN Bangladesh, 2015
173	*Jamides alecto* Felder, 1860	Metallic Cerulean	LC	NE	Chowdhury and Hossain, 2011
174	*Jamides bochus* Stoll, 1782	Dark Cerulean	VU	NE	Razzak *et al.*, 2007
175	*Jamides celeno* Cramer, 1775	Common Cerulean	LC	NE	Razzak *et al.*, 2007
176	*Jamides elpis pseudelpis* (Butler, [1879])	Glistening Cerulean	NE	NE	Larsen T.B, 2004
177	*Jamides pura* Moore, 1886	White Cerulean	EN	NE	Chowdhury and Hossain, 2011
178	*Lampides boeticus* Linnaeus, 1767	Pea Blue	LC	LC	Razzak *et al.*, 2007
179	*Leptotes plinius* Fabricius, 1793	Zebra Blue	LC	NE	Chowdhury and Hossain, 2011
180	*Lestranicus transpectus* (Moore, 1879)	White-banded Hedge Blue	NE	NE	Paul *et al.*, 2021
181	*Logania distanti massalia* Doherty, 1891	Dark Mottle	NE	NE	Sadat *et al.*, 2016
182	*Loxura atymnus* Stoll, 1780	Yamfly	VU	NE	Hossain *et al.*, 2003
183	*Mahathala ameria* Hewitson, 1862	Falcate Oakblue	VU	NE	IUCN Bangladesh, 2015
184	*Megisba malaya* Horsfield, 1828	Malayan	EN	NE	Chowdhury and Hossain, 2011
185	*Miletus chinensis* C. Felder, 1862	Common Brownie	EN	NE	Chowdhury and Hossain, 2011
186	*Nacaduba beroe* Felder & Felder, 1865	Opaque Six-Lineblue	LC	NE	IUCN Bangladesh, 2015
187	*Nacaduba berenice plumbeomicans* Wood-Mason & deN 1880	Rounded Six-Lineblue	NE	NE	Alam, 1962
188	*Nacaduba hermus nabo* Fruhstorfer, 1916	Pale Four-Lineblue	NE	NE	Larsen T.B, 2004
189	*Nacaduba kurava euplea* Fruhstorfer, 1916	Transparent Six-Lineblue	NE	NE	Larsen T.B, 2004
190	*Nacaduba pavana vajuva* Fruhstorfer, 1916	Small Four-Lineblue	NE	NE	Larsen T.B, 2004

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191	*Nacaduba pactolus continentalis* Fruhstorfer, 1916	Large Four-Linblue	NE	NE	Sadat *et al.*, 2016
192	*Neopithecops zalmora* Butler, 1870	Quaker	LC	NE	Razzak *et al.*, 2007
193	*Petrelaea dana* de Nicéville, 1884	Dingy Lineblue	EN	NE	IUCN Bangladesh, 2015
194	*Poritia hewitsoni* Moore, 1865	Common Gem	EN	NE	Chowdhury and Hossain, 2011
195	*Prosotas bhutea* (de Nicéville, [1884])	Bhutia Lineblue	NE	NE	Neogi *et al.*, 2014
196	*Prosotas dubiosa* Semper, 1879	Tailless Lineblue	VU	NE	Chowdhury and Hossain, 2011
197	*Prosotas lutea* Martin, 1895	Brown Lineblue	EN	NE	Chowdhury and Hossain, 2011
198	*Prosotas nora* Felder, 1860	Common Lineblue	LC	NE	Ahmad *et al.*, 2009
199	*Pseudozizeeria maha* Kollar, 1848	Pale Grass Blue	LC	NE	Chowdhury and Hossain, 2011
200	*Rapala dieneces* Hewitson, 1878	Scarlet Flash	EN	NE	IUCN Bangladesh, 2015
201	*Rapala iarbus* Fabricius, 1787	Common Red Flash	VU	NE	Chowdhury and Hossain, 2011
202	*Rapala manea* Hewitson, 1863	Slate Flash	LC	NE	Hossain *et al.*, 2003
203	*Rapala pheretima* Hewitson, 1863	Copper Flash	VU	NE	Ahmad *et al.*, 2009
204	*Rapala suffusa suffusa* Moore, 1883	Suffused Flash	NE	NE	Larsen T.B, 2004
205	*Rapala tara* de Niceville, 1988	Assam Flash	NE	NE	Rahman *et al.*, 2016
206	*Rapala varuna* Horsfield, 1829	Indigo Flash	VU	NE	Ahmad *et al.*, 2009
207	*Rachana jalindra* Horsfield, 1829	Banded Royal	EN	NE	Chowdhury and Hossain, 2011
208	*Rathinda amor* Fabricius, 1775	Monkey Puzzle	VU	NE	Shefa and Hossain, 2010
209	*Remelana jangala* Horsfield, 1829	Chocolate Royal	VU	NE	Hossain *et al.*, 2003
210	*Sinthusa nasaka* (Horsfield, [1829])	Narrow Spark	NE	NE	Shihan, 2015 a
211	*Spindasis elima* Moore, 1877	Scarce Shot Silverline	DD	NE	IUCN Bangladesh, 2015
212	*Spindasis ictis* Hewitson, 1865	Shot Silverline	EN	NE	Chowdhury and Hossain, 2011
213	*Spindasis lohita* Horsfield, 1829	Long-banded Silverline	VU	NE	Ahmad *et al.*, 2009
214	*Spindasis nipalicus* (Moore, 1884)	Silver-grey Silverline	NE	NE	Bashar M.A, 2014
215	*Spindasis syama* Horsfield, 1829	Club Silverline	VU	NE	Razzak *et al.*, 2007
216	*Spindasis vulcanus*	Common Silverline	LC	NE	IUCN

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	Fabricius, 1775				Bangladesh, 2015
217	*Spalgis epius* Westwood, 1851	Apefly	EN	NE	Razzak *et al.*, 2007
218	*Suasa lisides lisides* (Hewitson, 1863)	Red Imperial	NE	LC	Neogi *et al.*, 2016
219	*Surendra quercetorum* Moore, 1857	Common Acacia Blue	EN	NE	Chowdhury and Hossain, 2011
220	*Talicada nyseus* Guérin-Méneville, 1843	Red Pierrot	DD	NE	Chowdhury and Hossain, 2011
221	*Tarucus ananda* (de Nicéville, [1884])	Dark Pierrot	NE	NE	Shihan, 2016
222	*Tarucus balkanicus* (Freyer, 1844)	Little Tiger Pierrot	NE	NE	Razzak *et al.*, 2007
223	*Tarucus callinara* Butler, 1886	Spotted Pierrot	EN	NE	Chowdhury and Hossain, 2011
224	*Tarucus nara* Kollar, 1848	Striped Pierrot	EN	NE	Shefa and Hossain, 2010
225	*Tarucus venosus* Moore, 1882	Veined Pierrot	NE	NE	Khan and Neogi, 2014
226	*Ticherra acte acte* Moore, 1858	Blue Imperial	NE	NE	Larsen, 2004
227	*Tajuria cippus* Fabricius, 1798	Peacock Royal	EN	NE	Chowdhury and Hossain, 2011
228	*Tajuria jehana* Moore, 1883	Plains Blue Royal	DD	NE	Chowdhury and Hossain, 2011
229	*Virachola isocrates* Fabricius, 1793	Common Guava Blue	EN	NE	Ahmad *et al.*, 2009
230	*Zeltus amasa* Hewitson, 1865	Fluffy Tit	EN	NE	Chowdhury and Hossain, 2011
231	*Zezius chrysomallus* Hubner, 1823	Redspot	NE	NE	Rahman *et al.*, 2016
232	*Zinaspa todara* (Moore, [1884])	Silver-streak Acacia Blue	NE	NE	Haidar *et al.*, 2017
233	*Zizeeria karsandra* Moore, 1865	Dark Grass Blue	LC	NE	Chowdhury and Hossain, 2011
234	*Zizina otis* Fabricius, 1787	Lesser Grass Blue	LC	LC	Hossain *et al.*, 2003
235	*Zizula hylax* Fabricius, 1775	Tiny Grass Blue	LC	LC	Razzak *et al.*, 2007
Family-Nymphalidae					
236	*Ariadne ariadne* Linnaeus, 1763	Angled Castor	LC	NE	Chowdhury and Hossain, 2011
237	*Athyma asura* Moore, 1857	Studded Sergeant	DD	NE	IUCN Bangladesh, 2015
238	*Athyma cama* Moore, 1857	Orange Staff Sergeant	EN	NE	Ahmad *et al.*, 2009
239	*Athyma inara* Doubleday, 1850	Color Sergeant	VU	NE	Chowdhury and Hossain, 2011
240	*Athyma kanwa* Moore, 1858	Dot-dash Sergeant	DD	NE	IUCN Bangladesh, 2015
241	*Ariadne merione* Cramer, 1777	Common Castor	LC	NE	Ahmad *et al.*, 2009

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242	*Athyma perius* Linnaeus, 1758	Common Sergeant	LC	NE	Razzak *et al.*, 2007
243	*Athyma ranga* Moore, 1857	Blackvein Sergeant	VU	NE	IUCN Bangladesh, 2015
244	*Athyma selenophora* Kollar, 1844	Staff Sergeant	DD	NE	IUCN Bangladesh, 2015
245	*Bassarona recta* de Nicéville, 1886	Redtail Marquis	EN	NE	Chowdhury and Hossain, 2011
246	*Cethosia biblis* (Drury, [1773])	Red Lacewing	NE	NE	Rahman *et al.*, 2016
247	*Cethosia cyane* Drury, 1773	Leopard Lacewing	LC	NE	Hossain *et al.*, 2003
248	*Charaxes aristogiton* Felder & Felder, 1867	Scarce Tawny Rajah	DD	NE	Ahmad *et al.*, 2009
249	*Charaxes bernardus* (Fabricius, 1793)	Tawny Rajah	NE	NE	Monwar, *et al.*, 2018
250	*Charaxes marmax* Westwood, 1847	Yellow Rajah	DD	NE	IUCN Bangladesh, 2015
251	*Charaxes psaphon* Westwood, 1847	Plain Tawny Rajah	EN	NE	Ahmad *et al.*, 2009
252	*Charaxes solon* Fabricius, 1793	Black Rajah	VU	NE	Chowdhury and Hossain, 2011
253	*Chersonesia intermedia* Martin, 1895	Wavy Maplet	NE	LC	Rashid *et al.*, 2022
254	*Chersonesia risa* Doubleday, 1848	Common Maplet	EN	NE	IUCN Bangladesh, 2015
255	*Cirrochroa tyche* Felder & Felder, 1861	Common Yeoman	EN	NE	Chowdhury and Hossain, 2013
256	*Cupha erymanthis* Drury, 1773	Rustic	LC	NE	Ahmad *et al.*, 2009
257	*Cyrestis cocles* Fabricius, 1787	Marbled Map	EN	NE	Chowdhury and Hossain, 2011
258	*Cyrestis thyodamas* Boisduval, 1836	Common Map	EN	NE	Ahmad *et al.*, 2009
259	*Deudorix epijarbas* (Moore, [1858])	Cornelian	NE	NE	Shihan, 2016
260	*Dichorragia nesimachus* (Doyère, [1840])	Constable	NE	NE	Bashar M.A, 2014
261	*Dophla evelina* Stoll, 1790	Redspot Duke	EN	NE	Chowdhury and Hossain, 2011
262	*Euripus nyctelius* Doubleday, 1845	Courtesan	EN	NE	Chowdhury and Hossain, 2011
263	*Euthalia aconthea* Cramer, 1777	Common Baron	LC	NE	Chowdhury and Hossain, 2011
264	*Euthalia lubentina* Cramer, 1777	Gaudy Baron	EN	NE	Chowdhury and Hossain, 2011
265	*Euthalia monina* Fabricius, 1787	Powdered Baron	EN	NE	Chowdhury and Hossain, 2011
266	*Euthalia phemius*	White-edged Blue	EN	NE	Chowdhury and

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	Doubleday, 1848	Baron			Hossain, 2011
267	*Hypolimnas bolina* Linnaeus, 1758	Great Eggfly	LC	NE	Ahmad *et al.*, 2009
268	*Hypolimnas misippus* Linnaeus, 1758	Danaid Eggfly	VU	LC	Ameen and Chowdhury, 1968
269	*Idea agamarschana* C. & R. Felder, 1865	Tree Nymph	VU	NE	IUCN Bangladesh, 2015
270	*Junonia almana* Linnaeus, 1758	Peacock Pansy	LC	LC	Ameen and Chowdhury, 1968
271	*Junonia atlites* Linnaeus, 1763	Grey Pansy	LC	NE	Ameen and Chowdhury, 1968
272	*Junonia hierta* Fabricius, 1798	Yellow Pansy	LC	LC	Ameen and Chowdhury, 1968
273	*Junonia iphita* Cramer, 1779	Chocolate Pansy	LC	NE	Chowdhury and Hossain, 2011
274	*Kallima inachus* Boisduval, 1836	Orange Oakleaf	EN	NE	Chowdhury and Hossain, 2011
275	*Kaniska canace* (Linnaeus, 1763)	Blue Admiral	NE	NE	Neogi *et al.*, 2018
276	*Junonia lemonias* Linnaeus, 1758	Lemon Pansy	LC	NE	Ahmad *et al.*, 2009
277	*Junonia orithya* Linnaeus, 1758	Blue Pansy	VU	LC	Shefa and Hossain, 2010
278	*Lebadea martha* Fabricius, 1787	Knight	VU	NE	Chowdhury and Hossain, 2011
279	*Lexias cyanipardus* Butler, 1869	Great Archduke	EN	NE	Chowdhury and Hossain, 2011
280	*Lexias dirtea* Fabricius, 1793	Dark Archduke	EN	NE	Chowdhury and Hossain, 2013
281	*Lexias pardalis* (Moore, 1878)	Yellow-tipped Archduke	NE	NE	Shihan, 2016
282	*Libythea myrrha* Godart, 1819	Club Beak	NE	NE	Shihan, 2015 b
283	*Limenitis zulema* Doubleday 1848	Scarce White Commodore	DD	NE	Ahmad *et al.*, 2009
284	*Moduza procris* Cramer, 1777	Commander	LC	NE	Razzak *et al.*, 2007
285	*Neptis clinia* Moore, 1872	Clear Sailer	VU	NE	Chowdhury and Hossain, 2011
286	*Neptis harita* Moore, 1874	Dingiest Sailer	EN	NE	Chowdhury and Hossain, 2011
287	*Neptis hylas* Linnaeus, 1758	Common Sailer	LC	NE	Ahmad *et al.*, 2009
288	*Neptis jumbah* Moore, 1857	Chestnut-streaked Sailer	LC	NE	Ahmad *et al.*, 2009
289	*Neptis magadha* Felder & Felder, 1867	Spotted Sailer	EN	NE	Ahmad *et al.*, 2009
290	*Neptis mahendra* Moore, 1872	Himalayan Sailer	NE	NE	Bashar M.A, 2014
291	*Neptis nata adipala* Moore, 1872	Dirty Sailer	NE	NE	Larsen T.B, 2004

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292	*Neptis pseudovikasi* Moore, 1899	False Dingy Sailer	EN	NE	Ahmad *et al.*, 2009
293	*Neptis sappho astola* Moore, 1872	Pallas' Sailer	NE	NE	Larsen T.B, 2004
294	*Neptis soma* Moore, 1858	Sullied Sailer	VU	NE	Ahmad *et al.*, 2009
295	*Pantoporia hordonia* Stoll, 1790	Common Lascar	VU	NE	Ahmad *et al.*, 2009
296	*Pantoporia paraka* Butler, 1877	Perak Lascar	EN	NE	IUCN Bangladesh, 2015
297	*Pantoporia sandaka davidsoni* Eliot, 1969	Extra Lascar	NE	NE	Larsen T.B, 2004
298	*Parthenos sylvia* Cramer, 1775	Clipper	VU	NE	Ahmad *et al.*, 2009
299	*Phaedyma columella ophiana* (Moore, 1872)	Short-banded Sailer	NE	NE	Larsen T.B, 2004
300	*Polyura arja* Felder & Felder, 1867	Pallid Nawab	EN	NE	Ahmad *et al.*, 2009
301	*Polyura athamas* Drury, 1773	Common Nawab	LC	NE	Ahmad *et al.*, 2009
302	*Polyura delphis* Doubleday, 1843	Jewelled Nawab	EN	NE	Chowdhury and Hossain, 2011
303	*Polyura schreiber* Godart, 1824	Blue Nawab	EN	NE	Ahmad *et al.*, 2009
304	*Phalanta phalantha* Drury, 1773	Common Leopard	LC	LC	Ahmad *et al.*, 2009
305	*Pseudergolis wedah* Kollar, 1844	Tabby	EN	NE	Chowdhury and Hossain, 2011
306	*Rohana parisatis* Westwood, 1850	Black Prince	EN	NE	Chowdhury and Hossain, 2013
307	*Stibochiona nicea* Gray, 1846	Popinjay	VU	NE	Chowdhury and Hossain, 2011
308	*Symbrenthia lilaea* Hewitson, 1864	Common Jester	EN	NE	Chowdhury and Hossain, 2011
309	*Tanaecia jahnu* Moore, 1857	Plain Earl	EN	NE	IUCN Bangladesh, 2015
310	*Tanaecia julii* Lesson, 1837	Common Earl	VU	NE	Chowdhury and Hossain, 2011
311	*Tanaecia lepidea* Butler, 1868	Grey Count	VU	NE	Ahmad *et al.*, 2009
312	*Vagrans sinha* Kollar, 1844	Vagrant	VU	NE	Chowdhury and Hossain, 2011
313	*Vanessa cardui* Linnaeus, 1758	Painted Lady	EN	LC	Shefa and Hossain, 2010
314	*Vindula erota* Fabricius, 1793	Cruiser	EN	NE	Chowdhury and Hossain, 2013
Family-Papilionidae					
315	*Atrophaneura aidoneus* Doubleday, 1845	Lesser Batwing	NE	LC	Neogi *et al.*, 2016
316	*Atrophaneura varuna* White, 1842	Common Batwing	EN	LC	Chowdhury and Hossain, 2011
317	*Chilasa clytia*	Common Mime	LC	NE	Ameen and

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	Linnaeus, 1758				Chowdhury, 1968
318	*Graphium agamemnon* Linnaeus, 1758	Tailed Jay	LC	NE	Ahmad *et al.*, 2009
319	*Graphium arycles* (Boisduval, 1836)	Spotted Jay	NE	NE	Bashar M.A, 2014
320	*Graphium doson* Felder & Felder, 1864	Common Jay	LC	NE	Ameen and Chowdhury, 1968
321	*Graphium eurypylus* Linnaeus, 1758	Great Jay	EN	NE	IUCN Bangladesh, 2015
322	*Graphium sarpedon* Linnaeus, 1758	Common Bluebottle	VU	LC	Ahmad *et al.*, 2009
323	*Graphium xenocles* Doubleday, 1842	Great Zebra	EN	NE	Chowdhury and Hossain, 2011
324	*Graphium macareus* (Godart, 1819)	Lesser Zebra	NE	NE	Paul *et al.*, 2021
325	*Graphium megarus* (Westwood , 1844)	Spotted Zebra	NE	NE	Khan *et al.*, 2014
326	*Graphium nomius* Esper, 1785	Spot Swordtail	EN	NE	IUCN Bangladesh, 2015
327	*Lamproptera curius* Linnaeus, 1787	White Dragontail	EN	NE	Chowdhury and Hossain, 2011
328	*Losaria coon* (Fabricius, 1793)	Common Clubtail	NE	LC	Shihan, 2016
329	*Pachliopta aristolochiae* Fabricius, 1775	Common Rose	LC	LC	Ahmad *et al.*, 2009
330	*Pachliopta hector* Linnaeus, 1758	Crimson Rose	EN	LC	Ahmad *et al.*, 2009
331	*Papilio bianor* Cramer, 1777	Common Peacock	NE	NE	Khan, M.A, 2014
332	*Papilio castor* Westwood, 1842	Common Raven	EN	LC	IUCN Bangladesh, 2015
333	*Papilio crino* Fabricius, 1793	Common Banded Peacock	NE	NE	Noman A. 2020
334	*Papilio demoleus* Linnaeus, 1758	Lime Swallowtail	LC	NE	Ameen and Chowdhury, 1968
335	*Papilio elephenor* Doubleday, 1845	Yellow-crested Spangle	EN	NE	Chowdhury and Hossain, 2011
336	*Papilio helenus* Linnaeus, 1758	Red Helen	VU	LC (ssp *sataspes*)	Ahmad *et al.*, 2009
337	*Papilio memnon* Linnaeus, 1758	Great Mormon	LC	NE	Ahmad *et al.*, 2009
338	*Papilio nephelus* Boisduval, 1836	Yellow Helen	VU	NE	Ahmad *et al.*, 2009
339	*Papilio paradoxa* Zinken, 1831	Great Blue Mime	DD	NE	IUCN Bangladesh, 2015
340	*Papilio paris*	Paris Peacock	DD	NE	IUCN

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
	Linnaeus, 1758				Bangladesh, 2015
341	*Papilio polytes* Linnaeus, 1758	Common Mormon	LC	NE	Ameen and Chowdhury, 1968
342	*Papilio polymnestor* Cramer, 1775	Blue Mormon	LC	NE	Hossain *et al.*, 2003
343	*Papilio protenor* Cramer, 1775	Spangle	EN	NE	IUCN Bangladesh, 2015
344	*Pathysa antiphates* Cramer, 1775	Five-bar Swordtail	VU	NE	Chowdhury and Hossain, 2011
345	*Troides aeacus* Felder & Felder, 1860	Golden Birdwing	EN	LC	Ahmad *et al.*, 2009
346	*Troides helena* Linnaeus, 1758	Common Birdwing	VU	LC	Ahmad *et al.*, 2009
Family-Pieridae					
347	*Aporia agathon* (Gray, 1831)	Great Blackvein	NE	NE	Hossain *et al.*, 2003
348	*Appias albina* Boisduval, 1836	Common Albatross	EN	NE	Ahmad *et al.*, 2009
349	*Appias indra* Moore, 1857	Plain Puffin	VU	NE	Ahmad *et al.*, 2009
350	*Appias lalage* Doubleday, 1842	Spot Puffin	EN	NE	Ahmad *et al.*, 2009
351	*Appias libythea* Fabricius, 1775	Western Striped Albatross	LC	NE	Ameen and Chowdhury, 1968
352	*Appias lyncida* Cramer, 1777	Chocolate Albatross	LC	NE	Ahmad *et al.*, 2009
353	*Appias olferna olferna* Swinhoe, 1890	Eastern Striped Albatross	NE	NE	Larsen T.B, 2004
354	*Belenois aurota* Fabricius, 1793	Pioneer	EN	LC	Ahmad *et al.*, 2009
355	*Cepora nadina* Lucas, 1852	Lesser Gull	EN	NE	Ahmad *et al.*, 2009
356	*Cepora nerissa* Fabricius, 1775	Common Gull	LC	NE	Hossain *et al.*, 2003
357	*Catopsilia pomona* Fabricius, 1775	Common Emigrant	LC	NE	Ameen and Chowdhury, 1968
358	*Catopsilia pyranthe* Linnaeus, 1758	Mottled Emigrant	LC	NE	Ahmad *et al.*, 2009
359	*Colias fieldii* Ménétriés, 1855	Dark Clouded Yellow	NE	NE	Roy *et al.*, 2021
360	*Delias acalis* Godart, 1819	Red-breast Jezebel	DD	NE	IUCN Bangladesh, 2015
361	*Delias descombesi* Boisduval, 1836	Red-spot Jezebel	LC	NE	Ahmad *et al.*, 2009
362	*Delias eucharis* Drury, 1773	Common Jezebel	LC	NE	Ameen and Chowdhury, 1968
363	*Delias hyparete*	Painted Jezebel	LC	NE	Ahmad *et al.*,

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
	Linnaeus, 1758				2009
364	*Delias pasithoe* Linnaeus, 1767	Red-base Jezebel	LC	NE	Ahmad *et al.*, 2009
365	*Eurema andersoni* Moore, 1886	One-spot Grass Yellow	LC	LC	Razzak *et al.*, 2007
366	*Eurema blanda* Boisduval, 1836	Three-spot Grass Yellow	LC	NE	Ahmad *et al.*, 2009
367	*Eurema brigitta* Stoll, 1780	Small Grass Yellow	DD	LC	Ahmad *et al.*, 2009
368	*Eurema hecabe* Linnaeus, 1758	Common Grass Yellow	LC	LC	Ameen and Chowdhury, 1968
369	*Eurema laeta* Boisduval, 1836	Spotless Grass Yellow	DD	NE	Ahmad *et al.*, 2009
370	*Eurema simulatrix* (Staudinger, 1891)	Changeable Grass Yellow	NE	NE	Bashar M.A, 2014
371	*Gandaca harina* Horsfield, 1829	Tree Yellow	EN	NE	Chowdhury and Hossain, 2011
372	*Hebomoia glaucippe* Linnaeus, 1758	Great Orange-tip	VU	NE	Hossain *et al.*, 2003
373	*Ixias marianne* Cramer, 1779	White Orange-tip	DD	NE	Ahmad *et al.*, 2009
374	*Ixias pyrene* Linnaeus, 1764	Yellow Orange-tip	EN	NE	Ahmad *et al.*, 2009
375	*Leptosia nina* Fabricius, 1793	Psyche	LC	NE	Ahmad *et al.*, 2009
376	*Pareronia avatar* Moore, 1857	Pale Wanderer	DD	NE	IUCN Bangladesh, 2015
377	*Pareronia ceylanica* Felder & Felder, 1865	Dark Wanderer	LC	NE	Chowdhury and Hossain, 2011
378	*Pareronia hippia* Fabricius, 1787	Common Wanderer	VU	NE	Ahmad *et al.*, 2009
379	*Pieris brassicae* Linnaeus, 1758	Large Cabbage White	LC	LC (Europe)	Ahmad *et al.*, 2009
380	*Pieris canidia* Linnaeus, 1768	Indian Cabbage White	LC	NE	Ahmad *et al.*, 2009
381	*Pieris rapae* (Linnaeus, 1758)	Small Cabbage White	NE	LC (Europe)	Bashar M.A, 2014
382	*Pontia daplidice* Linnaeus, 1758	Bath White	VU	LC	Chowdhury and Hossain, 2013
Family-Riodinidae					
383	*Abisara bifasciata* Moore, 1877	Double-banded Judy	NE	NE	Neogi *et al.*, 2014
384	*Abisara echerius* Stoll, 1790	Plum Judy	EN	NE	Razzak *et al.*, 2007
385	*Taxila haquinus* Fabricius, 1793	Harlequin	EN	NE	IUCN Bangladesh, 2015
386	*Zemeros flegyas* Cramer, 1780	Punchinello	LC	NE	Ahmad *et al.*, 2009
Family-Satyridae					
387	*Elymnias harterti harterti* Honrath,1889	Black Palmfly	NE	NE	Bashar M.A, 2014
388	*Elymnias*	Common Palmfly	LC	NE	Hossain *et al.*,

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
	hypermnestra Linnaeus, 1763				2003
389	*Elymnias malelas* Hewitson, 1863	Spotted Palmfly	EN	NE	Ahmad *et al.*, 2009
390	*Elymnias nesaea* Linnaeus, 1764	Tiger Palmfly	EN	NE	Chowdhury and Hossain, 2013
391	*Lethe chandica* (Moore, [1858])	Angled Red Forester	NE	NE	Bashar M.A, 2014
392	*Lethe confusa* Aurivillius, 1898	Banded Treebrown	DD	NE	Chowdhury and Hossain, 2013
393	*Lethe europa* Fabricius, 1775	Bamboo Treebrown	VU	NE	Chowdhury and Hossain, 2011
394	*Lethe mekara* Moore, 1857	Common Red Forester	EN	NE	IUCN Bangladesh, 2015
395	*Lethe sinorix* Hewitson, 1863	Tailed Red Forester	DD	NE	Chowdhury and Hossain, 2011
396	*Lethe vindhya* Felder & Felder, 1859	Black Forester	VU	NE	IUCN Bangladesh, 2015
397	*Mycalesis anaxias* Hewitson, 1862	White-bar Bushbrown	EN	NE	Chowdhury and Hossain, 2011
398	*Mycalesis distanti* (Moore, [1892])	Wavy Bushbrown	NE	NE	Bashar M.A, 2014
399	*Mycalesis gotama* Moore, 1857	Chinese Bushbrown	VU	NE	IUCN Bangladesh, 2015
400	*Mycalesis lepcha* (Moore, 1880)	Lepcha Bushbrown	EN	NE	Chowdhury and Hossain, 2011
401	*Mycalesis malsara* Moore, 1857	White-line Bushbrown	EN	NE	IUCN Bangladesh, 2015
402	*Mycalesis mineus* Linnaeus, 1758	Dark-branded Bushbrown	LC	NE	Hossain *et al.*, 2003
403	*Mycalesis mnasicles* Hewitson, 1864	Cyclops Bushbrown	NE	NE	Bashar M.A, 2014
404	*Mycalesis perseus* Fabricius, 1775	Common Bushbrown	VU	NE	Ahmad *et al.*, 2009
405	*Mycalesis sangaica* Butler, 1877	Painted Bushbrown	NE	NE	Bashar M.A, 2014
406	*Mycalesis thailandica* Aoki & Yamaguchi, 1984	Thai Bushbrown	NE	NE	Bashar M.A, 2014
407	*Mycalesis visala* Moore, 1857	Long-branded Bushbrown	VU	NE	Hossain *et al.*, 2003
408	*Melanitis leda* Linnaeus, 1758	Common Evening Brown	LC	NE	Ahmad *et al.*, 2009
409	*Melanitis phedima* Cramer, 1780	Dark Evening Brown	VU	NE	Ahmad *et al.*, 2009
410	*Melanitis zitenius* Herbst, 1796	Great Evening Brown	VU	NE	Ahmad *et al.*, 2009
411	*Orsotriaena medus* Fabricius, 1775	Nigger	VU	NE	Ahmad *et al.*, 2009
412	*Ypthima baldus* Fabricius, 1775	Common Five-ring	VU	NE	Ahmad *et al.*, 2009
413	*Ypthima dohertyi* Moore, 1893	Great Five-ring	NE	NE	Bashar M.A, 2014

Sl	Scientific Name	Common Name	IUCN Bangladesh Status	IUCN Global Status	References
414	*Ypthima huebneri* Kirby, 1871	Common Four-ring	LC	NE	Ahmad *et al.*, 2009
415	*Ypthima inica* Hewitson, 1864	Lesser Three-ring	EN	NE	Chowdhury and Hossain, 2011
416	*Ypthima lisandra* Cramer, 1782	Straight Five-ring	NE	NE	Bashar M.A, 2014
417	*Ypthima nebulosa* Aoki & Uémura,1982	Malayan Five-ring	NE	NE	Bashar M.A, 2014
418	*Ypthima sakra* Moore, 1857	Himalayan Five-ring	NE	NE	Bashar M.A, 2014
419	*Ypthima singorensis* Aoki & Uémura,1984	Singor Five-ring	NE	NE	Bashar M.A, 2014
420	*Ypthima watsoni* Moore, 1893	Looped Three-ring	NE	NE	Bashar M.A, 2014
421	*Ypthima yunosukei* Aoki & Uémura,1984	Dark-eyed Five-ring	NE	NE	Bashar M.A, 2014

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LITERATURE CITED

AHMAD, M., KABIR, S.M.H., AHMED, A.T.A., RAHMAN, A.K.A., AHMED, Z.U., BEGUM, Z.N.T. and KHONDKER, M. (eds.) 2009. *Encyclopedia of Flora and Fauna of Bangladesh*, Vol. 21(III). Asiatic Society of Bangladesh, Dhaka. 464 pp.

AKTER, F., HABIB, M.S.A. and HOSSAIN, M.M. 2015. Butterfly species diversity in spatial and temporal dimensions in Jahangirnagar University campus and its suburbs, Bangladesh. *Jahangirnagar University J Biol Sci.* **4** (1): 27-40.

ALAM, M.S. and ULLAH, R.G.M. 1995. Butterflies of Chittagong University area- A check list. *Bangladesh Journal of Zoology*. **23** (1): 111-112.

ALAM, M.Z. 1962a. The butterflies of Dhaka. *The Scientist, Pakistan*. **5**:1-12.

ALAM, M.Z. 1962b. A List of Insects and Mites of East Pakistan. Department of Agriculture, East Pakistan. Government Press. Dhaka. 115 pp.

AMEEN, M. and CHOWDHURY, S.H. 1968. A systematic account of insect fauna of Dacca city and its suburbs. 1. Papilionidae (Butterflies), Lepidoptera. *Journal of Asiatic Society Pakistan*. **13** (2): 221-227.

ASADUZZAMAN, M. 2010. Butterfly-plant interaction in Jahangirnagar University Campus, Bangladesh. M. Sc thesis. Department of Zoology, Jahanginagar University, Savar, Dhaka. 153 pp.

BAKSHA, M.W. and CHOWDHURY, J.H. 1983. Entomo-fauna in the forest of Bangladesh. 1. Pieridae: Lepidoptera. *University Journal of Zoology*. Rajshahi University. **4**: 1-7.

BAKSHA, M.W. and CHOWDHURY, J.H. 1985. Entomo-fauna in the forest of Bangladesh. 11. Papilionidae: Lepidoptera. *University Journal of Zoology*. Rajshahi University. **2**: 53-60.

BASHAR, M.A. 2014. *Butterflies of Bangladesh*. A broad approach for nature lovers, Vol.1. (Papilionidae, Nymphalidae, Pieridae, Danaidae and Lycaenidae). Biodiversity Conservation Trust Foundation, University of Dhaka, Bangladesh. 514 pp.

CHOWDHURY, S.H. 2004. *Euploea crameri nicevillei* (Moore), 1890 Rediscovered. *Bangladesh Journal of Zoology*. **32**(2): 253-254.

CHOWDHURY, S.H. and HOSSAIN, M. 2011. *Butterflies of Bangladesh-A Pictorial Handbook*. Skylark Printers, Dhaka, Bangladesh. 210 pp.

CHOWDHURY, S.H. and HOSSAIN, M. 2013. *Butterflies of Bangladesh-A Pictorial Handbook* (Revised and enlarged version I). Skylark Printers, Dhaka, Bangladesh. 260 pp.

DAS, M.K. and CHOWDHURY, S. 2016. Record of two new butterflies for Bangladesh. *Journal of Entomology and Zoology Studies*. **4** (3): 32-34

DHAKA UNIVERSITY, DEPT. OF ZOOLOGY. 2000. Butterflies and their associated plants in hilly areas of Bangladesh. M.Sc Thesis, Examination roll 2701. Dhaka.

FOYJULLAH, A.N. 2016. https://www.facebook.com/photo?fbid=1528282814140459&set=gm.1041888745834165

GHOSH, A., ABEDIN, M.S., KHANDOKER, F., HOSSAIN, M.M. and HOWLADER, A.J. 2018. Molecular phylogenetic analysis of a butterfly, *Charaxes bernardus* (Lepidoptera:Nymphalidae) from Lawachara national park, Bangladesh. *21st National Conference and AGM of the Zoological Society of Bangladesh*. 82 p.

GHOSH, A., ABEDIN, M.S., HASAN, M.K., BORSHA, F.S., HOWLADER, A.J. and HOSSAIN, M. M. 2019a. Molecular phylogenetic relationship of Birdwing butterfly, *Troides helena* (Lepidoptera:Papilionidae) from Bangladesh. *21st International Biennial Conference and AGM of the Zoological Society of Bangladesh*. 101 pp.

GHOSH, A., ABEDIN, M.S., HOWLADER A.J. and HOSSAIN M.M. 2019b. Molecular identification and phylogenetic relationships of seven Satyrinae butterflies in Bangladesh using Cytochrome c oxidase subunit I gene. *Jahangirnagar University J Biol Sci*. **8** (1): 67-74.

HABIB, M.S.A., CHOWDHURY, M.A., ISLAM, M.S., MAMUN, S.H. and IQBAL, K.F. 2012. *Butterflies of Bangladesh*, Inventory-First Phase. Ecolife Initiatives. 63 pp.

HABIB, M.S.A., ISLAM, M.S., BHATTACHARJEE, A., JEWEL, M.M., HAQUE, S.N., IQBAL, K.F., SAIF, S. and CHOWDHURY, M.A. 2013. *Butterflies of Bangladesh*, Inventory Second Phase. Jiban Bikash Karjocrom. 95 pp.

HABIB, M.S., RIMA, N., AKTER, F., ISLAM, M.S. and HOSSAIN, M.M. 2016. Checklist of butterfly fauna of Kaptai National Park in Bangladesh. *Journal of Taxonomy and Biodiversity Research*. **7**: 19-28.

HABIB, M.S.A., ISLAM, M.S., SAIF, S., JEWEL, M.M.M. and IQUBAL, K.F. 2018. *Butterflies of the Sundarbans.* Inventory Fifth Phase. Bangladesh Forest Department, GIZ and Jiban Bikash Karjocrom. 243 pp.

HAIDAR, I.K.A., RAHMAN, M.M., AHSAN, M.F., ISLAM, M.A., TANIA, N.J., BANICK, P.R. *et al.* 2014. Records of three new butterfly species from the Chittagong University Campus of Chittagong in Bangladesh. *Journal of Entomology and Zoology Studies*. **2** (5):178-181.

HAIDAR, I.K.A., AHSAN, M.F., ABBAS, S. and KABIR, M.T. 2017. Species diversity and habitat preference of butterflies (Insecta: Lepidoptera) in Inani Reserve Forest of Cox's Bazar, Bangladesh. *Journal of Insect Biodiversity and Systematics*. **3** (1): 47–67.

HARSH, S. 2014. Butterfly Diversity of Indian Institute of Forest Management, Bhopal, Madhya Pradesh, India. *Journal of Insects.* Vol 2014, Article ID 254972, 4 pp.

HEBERT, P.D.N., RATNASINGHAM, S. and deWAARD, J. 2003b. Barcoding animal life: cytochrome c oxidase subunit 1 divergences among closely related species. *Proceedings of the Royal Society B: Biological Sciences.* **270** (S1) S96-S99.

HOSSAIN, M.M., SHAHEDUZZAMAN, M., HOWLADER, A.J. and CHOWDHURY, S.H. 2003. Checklist of Butterflies of Jahangirnagar University, Bangladesh. *Bangladesh Journal of life Sciences*. **15**(1): 83-86.

HOSSAIN, M. 2014a. Checklist of butterflies of the Sundarbans mangrove forest, Bangladesh. *Journal of Entomology and Zoological Studies*. **2** (1): 29-32.

HOSSAIN, M. 2014b. Rediscovery of a butterfly, Neptis soma shania Evans 1924 (Lepidoptera:Nymphalidae) in the Sundarbans of Bangladesh. *International Journal of Fauna and Biological Studies.* **1** (3): 08-10.

HOSSAIN, M., HABIB, M.S.A., ISLAM, M.S., SAIF, S., BHATTACHARJEE, A., IQUBAL, K.F., HAQUE, S.K. and JEWEL, M.M.M. 2014. *Butterflies of Bangladesh*, Inventory-Third phase. Jibon bikash karjocrom, Dhaka. XI+91pp.

HOSSAIN, M., HABIB, M.S.A., ISLAM, M.S., AKTER, F., KHAN, S.H., SULTANA, S. AND RIMA, N. 2015. RECORD OF *THAUMANTIS DIORES* AND *GEROSIS SINICA* BUTTERFLIES FROM BANGLADESH. *Bangladesh Journal of Zoology*. **43** (2): 321-326.

HOSSAIN, M. M., GHOSH, A., BORSHA, F. S., HASAN, M. K., ABEDIN, M. S. and HOWLADER, A.J. 2021. Molecular phylogeny of swallowtail butterflies (Lepidoptera:Papilionidae) based on mitochondrial cytochrome c oxidase I (COI) gene from Bangladesh. *Nepalese Journal of Zoology*. **6** (S1):1–6.

ISLAM, A.T.M.F., ISLAM, M.H., SAIFULLAH, A.S.M., ENDO, K. and YAMANAKA, A. 2011. New records of butterflies and their species diversity in four different areas of Savar, Dhaka, Bangladesh. *University Journal of Zoology*. Rajshahi University. **30**: 9-15.

IUCN BANGLADESH. 2015 *Red List of Bangladesh*. Vol. 7: Butterflies. IUCN, International Union for Conservation of Nature, Bangladesh Country Office, Dhaka, Bangladesh 1-400 pp.

JAHANGIRNAGAR UNIVERSITY, DEPT. OF ZOOLOGY. 1998. Status and diversity of butterflies of Bangladesh. MSc. Thesis. Savar, Dhaka.

JORDANO, D., RODRIGUEZ, J., THOMAS, C.D. and HAEGER, J.F. 1992. The distribution and density of a Lycaenid butterfly in relation to *Lasius* ants. *Oecologia*. **91**: 439-446.

KANAGARAJ, B. and KATHIRVELU, C. 2018. Diversity and relative abundance of Lycaenidae butterflies in Annamalai Nagar, Tamil Nadu. *International Journal of Recent Scientific Research*. **9** (5): 26777-26780

KHAN, A.K.M.M.A., KHAN, T. and KHAN, M.K. 2014. Three new records of butterfly from north-east region of Bangladesh. The Festschrift on the 50th Anniversary of The IUCN Red List of Threatened Species Compilation of Papers and Abstracts. IUCN, Dhaka, Bangladesh. 182 pp.

KHAN, M.K. 2014. Three new records of butterfly from university of Chittagong and Shahjalal University of science and technology in Bangladesh. *International Journal of Fauna and Biological Studies*. **1** (5):30-33.

KHAN, M.A,2014.
https://www.facebook.com/groups/488719627817749/search/?q=Papilio%20bianor

KHAN, M.K. and NEOGI, A.K. 2014. Confirmation, distribution and updated status of *Tarucus venosus* Moore, 1882 in Bangladesh. *Journal of Entomology and Zoology Studies*. **2** (4): 125-128.

KHAN, T., BABU, M.Q., HASAN, M.A., SHIHAN, T.R. and DEBBARMA, P . 2017. First records of *Zinaspa todara distorta* de Nicéville, 1887 and Arhopala rama ramosa Evans, 1925 (Lycaenidae: Theclinae) butterflies in Bangladesh. *Journal of Threatened Taxa*. **9** (8): 10581–10584.

KHANDOKAR, F., RASHID, M., DAS, D.K. and HOSSAIN, M. 2013. Species diversity and abundance of Butterflies in the Lawachara National Park, Bangladesh. *Jahangirnagar University Journal of Biological Science*. **2** (2): 121-127.

LARSEN, T.B. 2004. *Butterflies of Bangladesh*: an annotated checklist: IUCN, the World Conservation Union, Bangladesh Country Office, 158 pp.

MESHCHERYAKOVA, E.N., BULAKHOVA, N.A., ZHIGULSKAYA, Z.A., SHEKHOVTSOV, S.V. and BERMAN, D.I. 2023. Wintering and Cold Hardiness of the Small Tortoiseshell *Aglais urticae* (Linnaeus, 1758) (Nymphalidae, Lepidoptera) in the West and East of the Northern Palearctic. *Diversity*. **15**(1): 72.

MONIRUL, H.K. 2021.
https://www.facebook.com/photo/?fbid=10158696493776795&set=a.10158695224936795

MONWAR *et al.*, 2018. https://www.ncbi.nlm.nih.gov/nuccore/1503073431

MURPHY, D.D. and WEISS, S.B.1988. A long-term monitoring plan for a threatened butterfly, *Conservation Biology*. **2**: 367–374.

NEOGI, A.K., BAKI, M.A., SADAT, M.N., SELIM, S.R. and BHOUIYAN, N.A. 2014. Five New Records of Butterfly Species from Dhaka, Pirojpur and Cox`S Bazar Districts in Bangladesh. *Journal of Entomology and Zoology Studies*. **2**: 197-200.

NEOGI, A.K., RAHMAN, M.S., SULTANA, A., MONDAL, A.C., AHMED, T. and SADAT, M.N.. 2016. Six new records of Butterflies from Lawachara National Park, Bangladesh. *Tropical Natural History*. **16**(2): 119–122.

NEOGI, A.K., ISLAM, M.J., SHALAUDDIN, M., MONDAL, A.C. and HOSSAIN, S. 2018. The first record of The Blue Admiral Kaniska canace Linnaeus, 1763 (Nymphalidae: Lepidoptera) from Bangladesh. *Journal of Threatened Taxa*. **10**(10): 12429–12431.

NOMAN, A. 2020. https://www.facebook.com/groups/488719627817749/search/?q=Banded%20Peacoc

OLLERTON, J. 2017. Pollinator diversity: distribution, ecological function, and conservation. *Annu. Rev. Ecol. Evol. Syst*. **48**: 353-376.

PAUL, P., ISLAM, S. and DEY, R. 2021. First record of *Lestranicus transpectus* (Moore, 1879) and *Graphium macareus* (Godart, 1819) (Insecta: Lepidoptera: Papilionoidea) in Bangladesh. *Revista Chilena de Entomología*, **47**(1): 115 119.

RAHMAN, M.S., HOSSAIN, G.M., KHAN, S.A. and UDDIN, S.N. 2015. An annotated checklist of the vascular plants of Sundarban mangrove forest of Bangladesh. *Bangladesh J Plant Taxon*. **22** (1): 17–41.

RAHMAN, M.S., HAIDAR, I.K.A., NEOGI, A.K., HASAN, M.A.U., RAHMAN, M.M. and IMAM, S.M.S. 2016**.** First record of six species and subspecies of butterflies (Insecta: Lepidoptera) in Bangladesh. *Journal of Insect Biodiversity and Systematics*. **2** (3): 373–380.

RASHID, N., KAYES, M.I., OLI, M.H. and KADIJA, U. 2022. A new record of *Chersonesia intermedia* (Martin, 1895) for Bangladesh. *Journal of Entomology and Zoology Studies*. **10** (6): 19-21.

RAZZAK, M.A., ISLAM, A.T.M.F., SAIFULLAH, A.S.M., HOSSAIN, M.M., SHAHJAHAN, R.M., AKIRA, Y. and ENDO, K. 2007. A list of butterfly fauna in Jahangirnagar University Campus in Bangladesh. *Nuclear Science and Applications*. **16** (2): 99-105.

ROY, R.C., BISWAS, D. and DEY, R. 2021. Addition of *Colias fieldii* Ménétriés, 1855 (Lepidoptera: Pieridae: Coliadinae) to the checklist of Lepidoptera of Bangladesh. *Revista Chilena de Entomología*. **47** (2): 433-436.

SADAT, M.N., NEOGI, A.K., RAHMAN, M.S. and MONDAL, A.C. 2016. Notes On Two Lycaenid Butterflies Confirm To Bangladesh. *Biolife*. **4**(1): 213–215.

SHAHADAT, O., AHMED, T. and NEOGI, A.K. 2014. Confirmation record of a butterfly species *Euploea radamanthus radamanthus* Fabricius, 1793 (Family: Nymphalidae) from Dudpukuria-Dhopachari wildlife sanctuary, Chittagong, Bangladesh. *International Journal of Fauna and Biological Studies*. **1** (5):22-23.

SHEFA, K. and HOSSAIN, M.M. 2010. New record of butterflies from the Jahangirnagar University campus, *Bangladesh. Bangladesh J. life Sci*. **22** (2):105-111.

SHIHAN, T.R. 2015a**.** A New Record of Butterfly *Sinthusa nasaka* Horsfield, 1829 (Lepidoptera: Lycaenidae) for Bangladesh. *Journal of Entomology and Zoology Studies*. **3** (4): 120-123.

SHIHAN, T.R. 2015b. Some Notable Records of Butterflies in Kaptai National Park, Rangamati District, Bangladesh. *Zoo's Print*. **30**(7): 4-5.

SHIHAN, T.R. 2016. *A Photographic Guide to the Butterflies of Bangladesh*. Butterfly Reintroduction Farm, Chuadanga, Bangladesh. 165 pp.

SPITZER, K., JARO˘S, J., HAVELKA, J., AND LEP˘S, J. 1997. Effect of small scale disturbance on butterfly communities of an Indochinese montane rainforest. *Biological Conservation*. **80** (1): 9–15.

TALBOT, G. 1947. *The Fauna of British India including Ceylon and Burma. Butterflies*. Vol. II. Taylor & Francis, London (Reprinted by Today and Tomorrow's Printers and Publishers, New Delhi); xv+506.

TANIA, K.2015.
https://www.facebook.com/photo/?fbid=10206254775311057&set=a.10203875657394596

TIPLE, A.D., KHURAD, A.M. and DENNIS, R.L.H. 2011. Butterfly larval host plant use in a tropical urban context: Life history associations, herbivory, and landscape factors. *Journal of Insect Science*. **11**: Article 65.

TRIVEDI, D. J., TRIVEDI, J.N., SONI, G.M., PUROHIT, B.D. and VACHHRAJANI, K.D. 2015. Crustacean fauna of Gujarat state of India: a review. *Electronic Journal of Environmental Sciences*. **8**: 23-31.

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