INFORMATION SYSTEM ON BUTTERFLIES OF NORTH EAST INDIA: IDENTIFICATION AND DISTRIBUTION

A.Kalaisekar, N.S.A.Thakur, A.K.Vishwakarma,S.V.Ngachan and V.Ramamurthy
ICAR Research Complex for NEH Region, Umiam Meghalaya.

This software on butterflies of north east India their identification and distribution has been developed using visual basic programming language and it can provide informations related to butterflies found in NEH region their characteristics, identification and distribution in the region..The architecture of this software is organised in such a manner that wide range of users including farmers/ agriculture extension officers/ subject matter specialists/ researchers with different demands can utilize it.

The North Eastern region of India comprising the states of Arunachal Pradesh, Assam, Meghalaya, Mizoram, Manipur, Nagaland, Tripura and Sikkim lies between 21º 5' N to 29º 2' N latitude and 87º 5'E to 97º 3' E longitude. The region possesses a great diversity of life and climate as influenced by varied altitudes ranging from 18m to more than 3000m MSL. This region is very rich in natural resources with varied types of vegetation. The diversity in vegetation supports extremely diverse insect fauna, particularly butterflies. The total number of butterfly species recorded from India is over 1200 and out of this about 850 species are recorded from North East India. The species across all the butterfly families of India are recorded from Northeast. In this book volume, we present 125 species individually treated with adult description, larval hosts, distribution – mapped with the help of Geographical Positioning System and colour images.

The distribution maps, given for all the species individually in this software, are based on surveys using Geographical Positioning System (GPS). The way-point marks shown in the maps are the locations where the particular butterfly species was found. The name of locations corresponding to the way-point numbers shown in the maps are given as index in the software

The software can be easily installed on any PC or can be run directly through the disk. To operate the software one needs to double click on it. The first screen of the software will appear displaying the information's about the author and the space for furnishing the software code and the password. After furnishing the desired software code and password and selecting a module from the choice of information on pressing the enter button the main menu of the software can be accessed and from this various sub menus can be accessed and the desired information about butterflies can be generated. The information on butterflies can be obtained either alphabetically or based on orders.

MENU

Select your desired information from any sub group and enter for detailed information

| Introduction | Brief history of study on Indian butterflies | Butterfly Identification and Nomenclature | Differences between butterflies and moths | Variations |

Papilionidae | Pieridae | Nymphalidae

Atrophaneura poleutes
Chilasa clytia clytia
Chilasa clytia commixtus
Graphium cloanthus
Graphium doson axion
Graphium sarpedon
Papilio demoleus demole
Papilio castor polias

Hesperiidae

Submit

Common Windmill, Atrophaneura polyeuctes

Common Windmill, Atrophaneura polyeuctes Doubleday

Bhutan

Body red; thorax and abdomen black dorsally. Forewing black completely. Wing span 13 cm, hindwing black with large white oblong discal patch in area 5 and a small white tinge adjacently in area 4; red crescents marginally in areas 2, 3 and 4 with crescent at area 3 sometimes with coalescent red spot. Tail with red circular spot traversed by vein 2.
Distribution:
Arunachal Pradesh, Assam,Manipur,Meghalaya,Nagaland, and Tripura.

Larval Host: Aristolochia spp.

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BUTTERFLIES OF THE NORTH EAST

Click on the alphabet for the list of butterfly for detailed information

| A | B | C | D | E | F | G | H | I | J | K | L | M | N |
| O | P | Q | R | S | T | U | V | W | X | Y | Z |

Atrophaneura poleutes
Appias albina darada
Appias lalage lalage
Appias lyncida elenora
Apatura ambica
glais cachmirensis aesis
Argyreus hyperbius
riadne merione assama
Aulocera padma
Acetolepis puspa
Abisara fylla
Aeromachus jhora jhora

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Indian Tortoiseshell, Aglais cachmirensis aesis

Indian Tortoiseshell, Aglais cachmirensis aesis Kollar

Bhutan

Forewing upperside pale brown with alternative black and white bands; subbasal and subdiscal areas dusted with tawny colouration; spares irresdescent yellow dusting at base and along inner margin; irregular outer margin border; underside pale with thick mottled dusky colouration.Hindwing upperside basal half brown; broad white subdiscal band dusted with tawny colouration; a blackish submarginal irregular line; whitish irregular margin with a rudimentary tail at vein 5;underside basal half dusky black and distal half pale; entirely mottled with dusky brown. Wing span: 5-5.8 cm

Distribution: Arunachal Pradesh, Assam, Manipur,Meghalaya, Nagaland and Tripura.
Larval Host: Urtica sp.

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PLACE INDEX

PLACE INDEX FOR DETERMINATION OF COLLECTION POINT OF SPECIES IN DIFFERENT STATES

| Arunachal pradesh | Assam | Meghalaya | Mizoram | Manipur |

Nagaland   Sikkim   Tripura