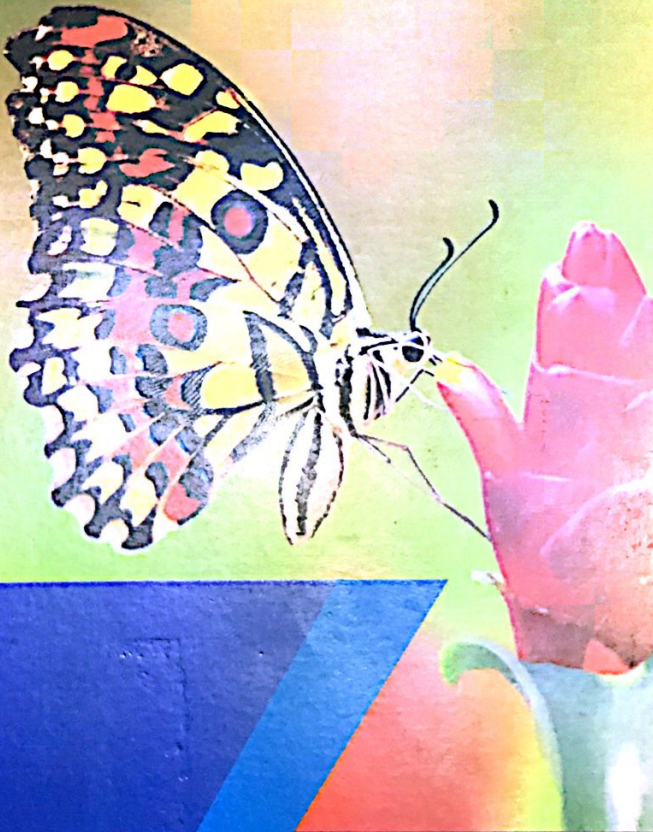
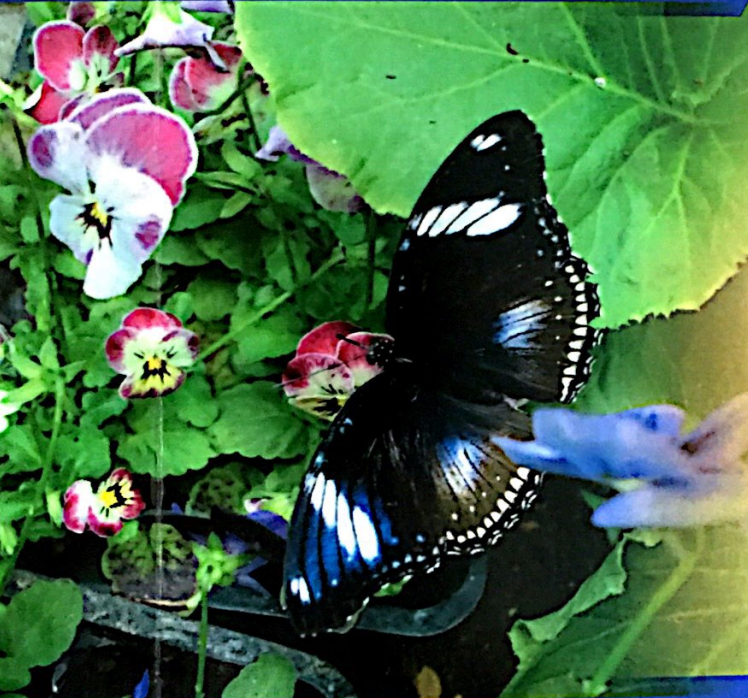




TFRI/BOOK-1/2017/01

# PICTORIAL OF INSECT CATALOGUE REFERENCE COLLECTION

2017



*Compiled and Edited by*  
**NITIN KULKARNI**  
**N. ROYCHOUDHURY**  
**P.B. MESHRAM**  
**SUBHASH CHANDER**  
**SHASHIKIRAN BARVE**



**TROPICAL FOREST RESEARCH INSTITUTE**  
(Indian Council of Forestry Research & Education)  
P.O. – R.F.R.C., MANDLA ROAD, JABALPUR (M.P.) – 482 021  
<http://tfri.icfre.org> and <http://tfri.icfre.gov.in>



## FOREWORD

The entomological studies include surveys and collection of insects, their diversity, biology, ecology, pest management strategies and quarantine related investigations. All these require authentic identification of the insects. Even the success of management measures against any insect pest, particularly the biological control, warrants proper identification of pests and their natural insect enemies for an efficient practical use. As the Class - Insecta has the largest number of individuals, as compared to any other Phylum or Class in the Kingdom - Animalia, insect taxonomists are too specific in their specialization and their expertise remains mostly restricted to a specific Families or at the most an Order, in terms of key-based taxonomic identification. Thus, here the Reference Collection of Insects/ Insect Repository is of great help. TFRI has such Insect Reference Collection and Insect Repository of more than 750 identified reference collections, with the numbers increasing every year as a continuous process. This Pictorial Catalogue compiled by the Forest Entomology Division will surely help researchers, academicians, students, environmentalists and paratonomists in preliminary identification based on the photographs, which can further be validated by availing institutional insect identification services.

I congratulate the authors for bringing out this pictorial compilation and hope that new insects will be added in the revised versions, time to time.



(Dr. U. Prakasham, IFs)

Director

Tropical Forest Research Institute

Jabalpur



# **Preface**

The collection of insect specimens from the forests of central India, being maintained in the National Insect Repository of Forest Entomology Division of this institute, is the only reference collection in the region and amongst a few in the country. This pictorial catalogue is the result of our desire to document this precious reference collection of insects. It aims at outreaching to those entomologists, academicians and environmentalists in academic institutions, Universities and colleges, who are looking for the authentic insect identification services.

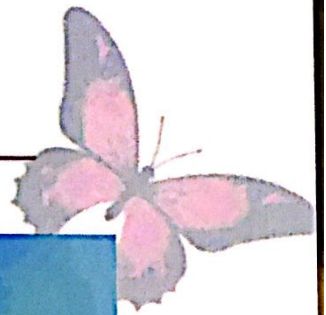
The catalogue presents glimpses of the Insect Reference Collection and National Insect Repository with photographs of 704 identified insect specimens along with common/ scientific name, place and date of collection and known host plants, wherever applicable. However, the pictorial information given might not help in correct identification of insects in most cases due to very minor morphological differences existing in two different species. Hence, the institutional identification services should rather be availed by the users for authentic identification of the insect, based on taxonomic keys and, in turn, get accession number for each specimen submitted for their research work.

It has been a difficult task to filter the bulk of information available related to the insect species, with a view to provide only the information which is more relevant to the diverse reader group along with educating them to further process their specimens for taxonomic key-based authentic identification service being extended by the institute.

The authors are thankful to Dr. U. Prakasham (I.F.S.), the Director and Shri P. Subramanyam (I.F.S.), the Head of Office, Tropical Forest Research Institute, Jabalpur, for constant encouragements to document the insect reference collection and related critical suggestions, time to time. The authors are none but the individuals, who themselves have been instrumental in collection and maintenance of insects in this reference collection for years, ever since it was established. Authors also appreciate with great respect, the initiative and efforts put in by Dr. K.C. Joshi, Scientist – G and Head of the Division (Retd.), for bringing up this reference collection. The constant efforts by Mrs. Shashikiran Barve, who is also one of the co-authors, is also thankfully acknowledged by all other authors for taking constant care of the valuable collection so meticulously.

Authors





Common name : Lemon butterfly  
Scientific name : *Papilio demoleus* Linn.  
Order - Family : Lepidoptera -Papilionidae  
Place of collection : Jabalpur and Balaghat (M.P.)  
Date of collection : 21/07/1983  
Host plant : *Aegle marmelos*, *Chloroxylon swietenia*, *Citrus* sp., *Glycosmis pentaphylla*, *Murraya koenigii*, *Operculina turpethum*, *Pithecellobium dulce*, *Psoralea corylifolia*, *Feronia elephantum*.  
Accn. No. : 18



Scientific name : *Papilio* sp.  
Order - Family : Lepidoptera -Papilionidae  
Place of collection : Jabalpur, Madhya Pradesh  
Date of collection : 8/3/88  
Host plant : *Citrus* sp.  
Accn. No. : 199



Common name : The Common mormon  
Scientific name : *Papilio polytes romulus* Linn.  
Order - Family : Lepidoptera -Papilionidae  
Place of collection : Kanha National Park (M.P.)  
Date of collection : 03/10/2003  
Host plants : *Aegle marmelos*, *Murraya koenigii*, *Citrus* sp.  
Accn. No. : 387



Common name : The Common Mormon  
Scientific name : *Papilio polytes stichius* Linn.  
Order - Family : Lepidoptera -Papilionidae  
Place of collection : Baihar (M.P.)  
Date of collection : 08/02/2004  
Host plant : *Citrus* sp.  
Accn. No. : 489

