



Short Communication

ON A SINGLE DAY CATCH OF BUTTERFLIES (INSECTA : LEPIDOPTERA) FROM KARHANDLA VILLAGE OF UMRED- KARHANDLA WILDLIFE SANCTUARY, MAHARASHTRA

INTRODUCTION

Umred-Karhandla Wildlife Sanctuary is a recently notified Wildlife Sanctuary in Maharashtra. It was established in the year 2013. It is located at a distance of 55 km. from Nagpur city and spread over an area of 189 sq. km. in Umred, Kuhl, Bhivapur and Pauni talukas of Nagpur district. This Sanctuary has tropical dry deciduous type forests and is rich in invertebrate and vertebrate fauna. During a visit to this Sanctuary, different species of butterflies were collected from roadside vegetation in Karhandla village. The butterflies were identified through the handbook by Kehimkar (2008). A total of 22 butterfly species belonging to 8 families of Order Lepidoptera have been recorded. The study area is located in Vidarbha region in the eastern part of Maharashtra. Tiple (2011) has listed the butterflies of Vidarbha region. Some important Conservation Areas are located in this region. Sharma and Radhakrishnan (2005, 2006) have reported the Lepidoptera of Pench National Park and Tadoba Andhari Tiger Reserve, respectively. Chandrakar *et al* (2007) have reported the butterflies of Melghat Tiger Reserve.

Keywords: Butterflies, Lepidoptera, Umred, Karhandla, Fauna

SYSTEMATIC ACCOUNT OF BUTTERFLIES RECORDED FROM UMRED-KARHANDLA SANCTUARY

Family PAPILIONIDAE

1. *Atrophaneura aristolachiae* (Fabricius)

Common Rose

2008. *Atrophaneura aristolachiae*: Kehimkar, *Book of Indian Butterflies*: 141.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

2. *Graphium agamemnon* (Linnaeus)

Tailed Jay

1939. *Graphium agamemnon*: Talbot, *Fauna Brit. India, Buttf.*, 1: 230.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

3. *Papilio demoleus* Linnaeus

Lime Butterfly

1939. *Papilio demoleus*: Talbot, *Fauna Brit. India, Buttf.*, 1: 189.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Afghanistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

Family PIERIDAE

4. *Catopsilia pomona* (Fabricius)

Common Emigrant

1939. *Catopsilia pomona*: Talbot, *Fauna Brit. India, Buttf.*, 1: 493.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Afghanistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

5. *Catopsilia pyranthe* (Linnaeus)

Mottled Emigrant

1939. *Catopsilia pyranthe*: Talbot, *Fauna Brit. India, Buttf.*, 1: 496.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

6. *Cepora nerissa* (Fabricius)

Common Gull

1939. *Cepora nerissa*: Talbot, *Fauna Brit. India, Buttf.*, 1: 362.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

7. *Delias eucharis* (Drury)

Common Zezebel

1939. *Delias eucharis*: Talbot, *Fauna Brit. India, Buttf.*, 1: 352.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Myanmar.

8. *Eurema brigitta* (Cramer)

Small Grass Yellow

1939. *Eurema brigitta*: Talbot, *Fauna Brit. India, Buttf.*, 1: 515.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

9. *Eurema hecabe* (Linnaeus)

Common Grass Yellow

1939. *Eurema hecabe*: Talbot, *Fauna Brit. India, Buttf.*, 1: 530.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

Family SATYRIDAE

10. *Melanitis leda* (Linnaeus)

Common Evening Brown

2008. *Melanitis leda*: Kehimkar, *Book of Indian Butterflies*: 322.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Nepal, Bhutan, Bangladesh, Myanmar.

Family NYMPHALIDAE

11. *Hypolimnas bolina* (Linnaeus)

Great Eggfly

2008. *Hypolimnas bolina*: Kehimkar, *Book of Indian Butterflies*: 409.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Sri Lanka, Bangladesh, Myanmar.

12. *Hypolimnas misippus* (Linnaeus)

Danaid Eggfly

2008. *Hypolimnas misippus*: Kehimkar, *Book of Indian Butterflies*: 410.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Afghanistan, Nepal, Bhutan, Sri Lanka, Bangladesh, Myanmar.

13. *Junonia almana* (Linnaeus)

Peacock Pansy

2008. *Junonia almana*: Kehimkar, *Book of Indian Butterflies*: 408.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Nepal, Bhutan, Sri Lanka, Bangladesh, Myanmar.

14. *Junonia atlites* (Linnaeus)

Grey Pansy

2008. *Junonia atlites:* Kehimkar, *Book of Indian Butterflies:* 408.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Nepal, Bhutan, Sri Lanka, Bangladesh, Myanmar.

15. *Junonia lemonias* (Linnaeus)

Lemon Pansy

2008. *Junonia lemonias:* Kehimkar, *Book of Indian Butterflies:* 409.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Nepal, Bhutan, Sri Lanka, Bangladesh, Myanmar.

16. *Junonia orithya* (Linnaeus)

Blue Pansy

2008. *Junonia orithya:* Kehimkar, *Book of Indian Butterflies:* 407.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Pakistan, Afghanistan, Nepal, Bhutan, Sri Lanka, Bangladesh, Myanmar.

Family ACRAEIDAE

17. *Acraea violae* (Fabricius)

Tawny Coster

2008. *Acraea violae:* Kehimkar, *Book of Indian Butterflies:* 356.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Nepal, Bhutan, Sri Lanka, Bangladesh, Pakistan.

Family DANAIDAE

18. *Danaus chrysippus* (Linnaeus)

Plain Tiger

2008. *Danaus chrysippus:* Kehimkar, *Book of Indian Butterflies:* 302.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Bhutan, Nepal, Bhutan, Sri Lanka, Bangladesh, Pakistan, Afghanistan.

19. *Danaus genutia* (Cramer)

Striped Tiger

2008. *Danaus genutia:* Kehimkar, *Book of Indian Butterflies:* 301.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Bhutan, Nepal, Bhutan, Sri Lanka, Bangladesh, Pakistan.

20. *Euploea core* (Cramer)

Common Crow

2008. *Euploea core:* Kehimkar, *Book of Indian Butterflies:* 308.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Bhutan, Nepal, Bhutan, Sri Lanka, Bangladesh.

Family LYCAENIDAE

21. *Jamides celeno* (Cramer)

Common Cerulean

2008. *Jamides celeno:* Kehimkar, *Book of Indian Butterflies:* 258.

Material examined: 1 ex., Karhandla, taluka Umred, district Nagpur, 02.xi.2014, Coll. P. U. Gajbe.

Distribution: India, Bhutan, Nepal, Bhutan, Sri Lanka, Bangladesh, Pakistan, Afghanistan.

Family HESPERIIDAE

22. *Pelopidas mathias* (Fabricius)

Small Branded Swift

2008. *Pelopidas mathias:* Kehimkar, *Book of Indian Butterflies:* 83.

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Distribution: India, Bhutan, Nepal, Bhutan, Sri Lanka, Bangladesh.

genera of 8 families in Order Lepidoptera have been recorded from Umred-Karhandla Wildlife Sanctuary in Nagpur district of Maharashtra.

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SUMMARY

In this work, 22 species of butterflies in 15

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