



Research Paper

New record of Insecta: Odonata of Prayagraj, Uttar Pradesh

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Received: 29/05/2019

Revised: 09/06/2019

Accepted: 20/06/2019

Abstract: The study yielded the identification of 15 species belonging to 5 families of the order Odonata and all these species are reported from Prayagraj and nearby district. The distribution of the species in the Prayagraj, area is also provided.

Keywords: Odonata, 5 families, Prayagraj Area.

INTRODUCTION

Order Odonata is a diverse group of true bugs. A detailed account of odonata fauna of north India had been done by Fraser (1933–1936), he described approximate 536 species from British India, Earlier no detailed study has been done in this area. Some study carried out by various authors in very scattered form, this study will enhance the Dragonfly and damselfly fauna of Prayagraj District and its surrounding area.

MATERIAL AND METHODS

During the survey of the Prayagraj and nearby district by the team of Zoological Survey of India Kolkata, altogether 129 bugs were collected from various localities of the Prayagraj and nearby district viz. Agriculture University of Prayagraj, Gangetic and Yamuna planes of Prayagraj, Jhusi, Kausambi district, Naini, etc. by hand picking, net trap and light tarp methods. The specimens were sorted out and bugs were pinned and dried and identified with the help of literature available.

Systematic List of Hemiptera studied from Prayagraj and nearby district

Order Odonata Fabricius, 1793

Suborder Zygoptera Selys, 1854

Superfamily Lestoidea Calvert, 1901

Family: Lestidae Calvert, 1907

Genus Lestes Leach, 1815

1. *Lestes umbrinus* Selys, 1891

Superfamily Coenagrionoidea Kirby, 1890

Family: Coenagrionidae Kirby, 1890

Genus Agriocnemis Selys, 1877

2. *Agriocnemis pygmaea* (Rambur, 1842)
Genus *Amphiallagma* Kennedy, 1920
3. *Amphiallagma parvum* (Selys, 1876)
Genus *Ceriagrion* Selys, 1876
4. *Ceriagrion coromandelianum* (Fabricius, 1798)
Genus *Ischnura* Charpentier, 1840
5. *Ischnura nursei* Morton, 1907
Genus *Pseudagrion* Selys, 1876
6. *Pseudagrion decorum* (Rambur, 1842)
Family: Platycnemididae Yakobson & Bainchi, 1905
Genus *Copera* Kirby, 1890
7. *Copera marginipes* (Rambur, 1842)
Genus *Disparoneura* Selys, 1860
8. *Disparoneura quadrimaculata* (Rambur, 1842)
Suborder Anisoptera Selys, 1854
Superfamily Gomphoidea Rambur, 1842
Family: Gomphidae Rambur, 1842
Genus *Burmagomphus* Williamson, 1907
9. *Burmagomphus sp*
Genus *Paragomphus* Cowley, 1934
10. *Paragomphus lineatus* (Selys, 1850)
Superfamily Libelluloidea Leach, 1815
Family: Libellulidae Leach, 1815
Genus *Acisoma* Rambur, 1842
11. *Acisoma panorpoides* Rambur, 1842
Genus *Bradinopyga* Kirby, 1893
12. *Bradinopyga geminata* (Rambur, 1842)
Genus *Indothemis* Ris, 1909

13. *Indothemis carnatica* (Fabricius, 1798)
Genus *Orthetrum* Newman, 1833
14. *Orthetrum sp*
Genus *Trithemis* Brauer, 1868
15. *Trithemis aurora* (Burmeister, 1839)

RESULTS AND DISCUSSIONS

A total of 15 species of odonates belonging to 15 genera of two suborders and five families viz., Gomphidae, Libellulidae, Lestidae, Coenagrionidae, Platycnemididae were recorded. This study will enhance the True bug fauna of Prayagraj District.

ACKNOWLEDGMENT

The authors are thankful to Dr. Rita Bhandari Head Zoology Department OFK College Jabalpur for providing necessary facilities and encouragement. Authors are also thankful to Managing Director, Godavari Academy of Science & Technology, ESW Society, Chhatarpur, Madhya Pradesh, India for necessary facility and moral support.

REFERENCES

- Fraser F.C. (1933) *Fauna of British India Odonata* 1. Taylor and Francis Ltd. London, 423pp.
- Fraser F.C. (1934) *Fauna of British India Odonata* 2. Taylor and Francis Ltd. London, 398pp.
- Fraser F.C. (1936) *Fauna of British India Odonata* 3. Taylor and Francis Ltd. London, 461pp.