



TAXONOMIC STUDIES ON ORTHOPTERA (INSECTA) FAUNA OF
BHORAMDEV WILDLIFE SANCTUARY, KABIRDHAM,
CHHATTISGARH, INDIA

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ABSTRACT: The paper deals with the study of faunal diversity of Orthoptera of Borhamdev Wildlife Sanctuary, Kabirdham, Chhattisgarh. Altogether 34 species pertaining to 29 genera under 6 families are reported from the sanctuary, of which four species, namely *Aularches miliaris miliaris*, *Loxoblemmus haani*, *Velarifictorus* sp. and *Phaneroptera myllocerca* are new record from Chhattisgarh state.

Keywords: Orthoptera, Borhamdev Wildlife Sanctuary, Chhattisgarh, India

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Noteworthy contribution on Orthoptera diversity in Chhattisgarh is available viz. Chandra *et al.* (2007), Gupta and Chandra (2010, 2013), Shishodia *et al.* (2010), Chandra and Gupta (2011), Gupta and Shishodia (2014). Orthopteran insects have not been reported by any scientist from Borhamdev Sanctuary, except, Chandra (2014). Chandra (2014) reported 50 species pertaining to 42 genera under 7 families of Orthoptera from Borhamdev Wildlife Sanctuary, Kabirdham, Chhattisgarh.

MATERIALS AND METHODS

Extensive and intensive survey of Borhamdev Wildlife Sanctuary, district Kabirdham, Chhattisgarh state was made during 2011-13. Specimens of Orthoptera insect fauna including species and subspecies were collected from different localities by the survey team of Zoological Survey of India, Kolkata. The species were identified and the species recorded for the first time from Chhattisgarh state were shorted out. The systematic account, details of material collected, co-ordinates and geographic distribution of all the species are also recorded.

RESULTS AND DISCUSSION

During survey of the Sanctuary, a total 197 specimens of Orthoptera fauna pertaining to 34 species and sub-species belonging to 29 genera under 6 families viz. Acrididae 20 species 16 genera, Pyrgomorphidae 3

species 3 genera, Tetrigidae 2 species 2 genera, Gryllidae 4 species 4 genera, Gryllotalpidae 1 species 1 genus, Tettigoniidae 4 species 3 genera were identified from different localities. Geographical co-ordinates of collection sites are presented in Table 1.

Systematic accounts of collected species are summarized below. The species recorded for the first time from Chhattisgarh state are marked with an asterisk (*)

Order ORTHOPTERA
Suborder CAELIFERA
Infraorder ACRIDIDEA
Superfamily ACRIDOIDEA
Family ACRIDIDAE
Subfamily Acridinae

1. *Acrida exaltata* (Walker, 1859)

=*Truxalis exaltata* Walker, *Ann. Mag. nat. Hist.*, 4 (3): 222. 1859.

=*Acrida exaltata*, Dey & Hazra, *Memoirs, zool. Surv. India*, 19(3): 24. 2003.

Material examined: Chhattisgarh; Kabirdham,

Borhamdev WLS, Rajadhar Forest, 1.xii.2011, 2(, DC) collected by S.K. Gupta and Party.

Distribution in Chhattisgarh: Bilaspur, Kabirdham and Raipur.