

**ON A COLLECTION OF ORTHOPTERA (INSECTA) FROM
SITANADI WILDLIFE SANCTUARY, DHAMTARI,
CHHATTISGARH, INDIA**

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ABSTRACT: The paper deals with the study of faunal diversity of Orthoptera of Sitanadi Wildlife Sanctuary, Dhamtari district, Chhattisgarh. Altogether 39 species pertaining to 33 genera under 7 families are reported for the first time from the Sanctuary. The species *Gryllotalpa hirsuta* Burmeister, 1838 is new addition to the Chhattisgarh state.

KEY WORDS: Orthoptera, Sitanadi Wildlife Sanctuary, Chhattisgarh, India

A noteworthy contribution of Orthoptera fauna of Chhattisgarh has been made by Sinha & Agarwal (1973), Dwivedi (1978, 1990), Dwivedi & Chatteraj (1985), Shishodia (2000), Chandra et al. (2007), Gupta et al. (2008), Gupta & Chandra (2010, 2013), Shishodia et al. (2010), Chandra & Gupta (2011), Gupta & Shishodia (2014) and Skejo & Gupta (2015).

During the extensive and intensive survey of Sitanadi Wildlife Sanctuary from 2011 to 2014, a total 39 species and subspecies pertaining to 33 genera under 7 families viz. Acrididae 24 species 20 genera, Pyrgomorphidae 5 species 4 genera, Tetrigidae 3 species 3 genera, Tridactylidae 1 species 1 genus, Gryllidae 3 species 3 genera, Gryllotalpidae 2 species 1 genus, Tettigoniidae 1 species 1 genera were collected from different localities by the survey team of Zoological Survey of India, Kolkata. The species recorded for the first time from Chhattisgarh state are marked with an asterisk (*). The systematic account, details of material collected and co-ordinates and geographic distribution of all the species in Chhattisgarh are also incorporated.

MATERIALS AND METHODS

Study area

The present study was carried out in Sitanadi Wildlife Sanctuary is located in Dhamtari district. The area of Sanctuary is about 553.36 sq. km., which lies between latitudes 20° 27' 24.3714"N and longitudes 81° 58' 10.7466" E. The forest types are of Tropical Dry Peninsular Sal forests and Southern Tropical Dry Deciduous Mixed Forests. The vegetation of the Sanctuary chiefly comprises of moist peninsular Sal, Teak and Bamboo forests. The other major flora in the sanctuary comprises of Salai (*Boswellia serrata*), Tendu (*Diospyros melanoxylon*), Haldu (*Adina cordifolia*), Harra (*Terminalia chebula*), Mahul (*Madhuca longifolia*), Aonla (*Embllica officinalis*) and Semal (*Bombax ceiba*).

Methods

The specimens were collected by sweeping over vegetation by insect net, and the larger specimens were picked up directly by hand or with the help of fine forceps. The specimens after collection from the field were killed in benzene or ethyl acetate in a killing bottle. For temporary storage in the field they were kept in insect envelopes. The specimens were brought to laboratory and pinned,

labeled and preserved for the identification. Survey site co-ordinates were recorded using GPS (Garmin Oregon 550). The identified specimens were deposited in National Zoological Collection, Zoological Survey of India, Kolkata.

SYSTEMATIC ACCOUNT

Order ORTHOPTERA

Suborder CAELIFERA

Infraorder ACRIDIDEA

Superfamily ACRIDOIDEA

Family ACRIDIDAE

Subfamily ACRIDINAE

Genus *Acrida* Linnaeus, 1758

Acrida exaltata (Walker, 1859)

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

2010. *Acrida exaltata*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 15-16.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sankra Forest Rest House, 12.x.2011, 1 (♂); Khallari village, 16.x.2011, 1 (♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Acrida gigantea (Herbst, 1794)

1794. *Truxalis gigantea* Herbst, Fuessly Archiv.: 173.

2010. *Acrida gigantea*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 16.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Bhaisa Sankra, 16.viii.2013, 1 (♂); 30.viii.2013, 1 (♀); Sankra Forest Rest House, 26.ii.2014, 1 (♂); Gahnasiyar, 17.viii.2013, 1 (♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Dhamtari, Kabirdham and Raipur.

Acrida turrita (Linnaeus, 1758)

1758. *Gryllus turritus*, Linnaeus, Syst. Nat. (ed. X): 427.

1914. *Acrida turrita*, Kirby, Fauna Brit. India, Orth.: 98.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Bhoithali, 19.viii.2013, 1 (♀); Bhaisa Sankra, 4.ix.2013, 3 (♀♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Dhamtari, Kabirdham and Raipur.

Genus *Phlaeoba* Stål, 1860

Phlaeoba panteli Bolivar, 1902

1902. *Phlaeoba panteli* Bolivar, Anns. Soc. ent. Fr., 70: 581.

2010. *Phlaeoba panteli*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 21.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 3 (♂♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily CATANTOPINAE

Genus *Choroedocus* Bolivar, 1914

Choroedocus illustris (Walker, 1870)

1870. *Heteracris illustris* Walker, Cat. Derm. Salt. Brit. Mus., 4: 663.

2007. *Choroedocus illustris*, Saini & Mehta, Bionotes, 9 (3): 76.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sankra Forest Rest House, 17.x.2011, 1 (♀) coll. S. K. Gupta & Party.

Distribution in Chhattisgarh: Dhamtari and Kabirdham.

Genus *Diabolocatantops* Jago, 1984

Diabolocatantops innotabilis (Walker, 1870)

1870. *Acridium innotabile* Walker, Cat. Derm. Salt. Brit. Mus., 4: 629.

2010. *Diabolocatantops innotabilis*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 39.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sondur Dam, 14.x.2011, 1 (♂); Sankra Forest Rest House, 2.x.2012, 2 (♀♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Genus *Stenocatantops* Dirsh & Uvarov, 1953

Stenocatantops splendens (Thunberg, 1815)

1815. *Gryllus splendens* Thunberg, Mem. Acad. Sci. St. - Petersb., 5: 236.

2000. *Stenocatantops splendens*, Shishodia & Tandon, State Fauna Series 7: Fauna of Tripura, Part 2, Zool. Surv. India: 210.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Gahnasiyar, 13.x.2011, 1 (♀); Sondur Dam, 14.x.2011, 1 (♂); Khallari village, 16.x.2011, 3 (1♂, 2♀♀); Shaleybhat, 21.x.2011, 1 (♂); 22.x.2011, 1 (♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Genus *Xenocatantops* Dirsh & Uvarov, 1953

Xenocatantops humilis humilis (Serville, 1839)

1839. *Acridium humile* Serville, Ins. Orth.: 662.

1953. *Xenocatantops humilis humilis*, Dirsh and Uvarov, Tijdschr. Ent., 96: 237.

2000. *Xenocatantops humilis humilis*, Shishodia, Rec. zool. Surv. India, 98 (1): 62.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari and Raipur.

Xenocatantops karnyi (Kirby, 1910)

1910. *Catantops karnyi* Kirby, Syn. Cat. Orth. 3: 483.

2007. *Xenocatantops karnyi*, Mandal & Yadav, State Fauna Series 5: Fauna of Andhra Pradesh, Part 3. Zool. Surv. India, 220.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Gahnasiyar, 13.x.2011, 2 (♀♀); Sondur Dam, 14.x.2011, 1 (♂); Sitanadi River, 17.x.2011 2 (♂♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily EYPREPOCNEMIDINAE

Genus *Heteracris* Walker, 1870

Heteracris pulcher (Bolivar, 1902)

1902. *Euprepocnemis pulcher* Bolivar, I. Ann. Soc. ent. Fr., Paris, 70: 630.

2010. *Heteracris pulcher*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 59.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Khallari village, 16.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Dhamtari and Kabirdham.

Genus *Eyprepocnemis* Fieber, 1853

Eyprepocnemis roseus Uvarov, 1942

1942. *Eyprepocnemis roseus* Uvarov, Ann. Mag. nat. Hist., 9 (11): 597.

2010. *Eyprepocnemis roseus*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 57.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Gahnasiyar, 13.x.2011, 1 (♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari and Raipur.

Subfamily GOMPHOCERINAE

Genus *Aulacobothrus* Bolivar, 1902

Aulacobothrus luteipus luteipus (Walker, 1871)

1871. *Stenobothrus luteipes* Walker, Cat. Derm. Salt. Brit. Mus., 5: 82.

1993. *Aulacobothrus luteipes luteipes* Ingrisch, Ent. Scand., 24 (3): 321.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 1 (♂); Arsihanhar, 9.ix.2013, 1 (♀); Gahnasiyar, 17.viii.2013, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Dhamtari and Raipur.

Genus *Leva* Bolivar, 1909

Leva indica (Bolivar, 1902)

1902. *Gymnobothrus indicus* Bolivar, Ann. Soc. ent. Fr., Paris, 70: 596.

2010. *Leva indica*, Shishodia et al. Rec. zool. Surv. India, Occ. Paper No. 314: 62.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Khallari village, 16.x.2011, 1 (♀); Sitanadi River, 17.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Kabirdham and Dhamtari.

Subfamily HEMIACRIDINAE

Genus *Hieroglyphus* Krauss, 1877

Hieroglyphus banian (Fabricius, 1798)

1798. *Gryllus banian* Fabricius, Entomologia systematica, Suppl.: 194.

2010. *Hieroglyphus banian*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 75.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Mahuvabakra, 15.x.2011, 1 (♂); Lelanj River, 22.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily OEDIPODINAE

Genus *Aiolopus* Fieber, 1853***Aiolopus thalassinus tamulus*** (Fabricius, 1798)1798. *Gryllus tamulus* Fabricius, Entomologia systematica Suppl.: 195.1968. *Aiolopus thalassinus tamulus* Hollis, Bull. Br. Mus. nat. Hist., (Ent.), 22 (7): 347.2010. *Aiolopus thalassinus tamulus*, Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 88.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 1 (♂);

Gahnasiyar, 17.viii.2013, 1 (♀); Arsiakanhar, 9.ix.2013, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.**Genus *Ceracris*** Walker, 1870***Ceracris nigricornis nigricornis*** Walker, 18701870. *Ceracris nigricornis* Walker, Cat. Derm. Salt. Brit. Mus., 4: 791.2010. *Ceracris nigricornis nigricornis* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 85.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 2 (1♂,

1♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.**Genus *Gastrimargus*** Saussure, 1884***Gastrimargus africanus africanus*** (Saussure, 1888)1888. *Oedaleus (Gastrimargus) marmoratus* var. *africana* Saussure, Mem. Soc. Phys. Hist. nat. Geneve, 30 (1): 39.2006. *Gastrimargus africanus africanus*, Shishodia, Bionotes, 8 (1): 11.2010. *Gastrimargus africanus africanus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 90.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Bhoithali, 16.ii.2014, 1 (♂);

Bhiragaon, 18.ii.2014, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.**Genus *Oedaleus*** Fieber, 1853***Oedaleus abruptus*** (Thunberg, 1815)1815. *Gryllus abruptus* Thunberg, Mem. Acad. Sci. St. Petersburg. 5: 233.1990. *Oedaleus abruptus*, Shishodia & Mandal, Rec. zool. Surv. India, 87 (1): 70.2010. *Oedaleus abruptus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 93.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 1 (♂)

coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.**Genus *Trilophidia*** Stål, 1873***Trilophidia annulata*** (Thunberg, 1815)1815. *Gryllus annulatus* Thunberg, Mem. Acad. Sci. St. Petersburg., 5: 234.2010. *Trilophidia annulata* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 102.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Sankra Forest, 1.x.2011, 1 (♀);

Mahuva bahara, 15.x.2011, 1 (♀); Sitanadi, 17.x.2011, 2 (1♂, 1♀); Salhebbat, 21.x.2011, 1 (♂)

coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.**Genus *Morphacris*** Walker, 1870***Morphacris fasciata*** (Thunberg, 1815)1815. *Gryllus fasciatus* Thunberg, Mem. Acad. Sci. St. Petersburg., 5: 230.2010. *Morphacris fasciata* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 83.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 2 (1♂,

1♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily OXYINAE

Genus *Oxya* Serville, 1831***Oxya fuscovittata*** (Marschall, 1836)1836. *Gryllus fuscovittatus* Marschall, Ann. Wien. Mus. Vienna, 1 (2): 211.2010. *Oxya fuscovittata* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 107.**Material examined:** Chhattisgarh; Dhamtari, Sitanadi WLS, Khallari, 16.x.2011, 5 (♀♀);

Sitanadi River, 17.x.2011, 2 (♀♀); Sankra Forest Rest House, 12.x.2011, 1 (♀) coll. S. K. Gupta

& party.

Distribution in Chhattisgarh: Bastar and Dhamtari.***Oxya hyla hyla*** Serville, 18311831. *Oxya hyla* Serville, Ann. Sci. nat. (Zool.), Paris, 22: 287.

2010. *Oxya hyla hyla* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 109.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sankra Forest Rest House, 10.x.2011, 5 (3♂♂, 2♀♀); Gahnasiyar, 13.x.2011, 5 (1♂, 4♀♀), Sondur Dam, 14.x.2011, 1 (♀); Mahuvabahara, 15.x.2011, 1(♂); Khallari village, 16.x.2011, 8 (7♂♂, 1♀); Sitanadi River, 17.x.2011, 2 (1♂, 1♀); Shaleybhat, 21.x.2011, 2 (♂♂); Lelanz River, 22.x.2011, 9 (1♂, 8♀♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Oxya japonica japonica (Thunberg, 1824)

1824. *Gryllus japonicus* Thunberg, Mem. Acad. Sci. St. Petersb., 9: 429.

2010. *Oxya japonica japonica* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 111.

Material examined: Chhattisgarh: Dhamtari, Sitanadi WLS, Sankra Forest Rest House, 10.x.2011, 1 (♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Dhamtari and Raipur.

Subfamily SPATHOSTERNINAE

Genus *Spathosternum* Krauss, 1877

Spathosternum prasiniferum prasiniferum (Walker, 1871)

1871. *Heteracris* (?) *prasiniferum* Walker, Cat. Derm. Salt. Brit. Mus., 5: 65.

2010. *Spathosternum prasiniferum prasiniferum* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No., 314: 114.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sankra Forest Rest House, 12.x.2011, 4 (1♂, 3♀♀); Gahnasiyar, 13.x.2011, 4 (1♂, 3♀♀); Sondur Dam, 14.x.2011, 11 (5♂♂, 6♀♀); Mahuva bahara, 15.x.2011, 2 (♂♂); Khallari village, 16.x.2011, 5 (3♂♂, 2♀♀); Sankra, 17.x.2011, 4 (♀♀); Shaleybhat, 21.x.2011, 1 (♀); Bhiragaon, 18.ii.2014, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Superfamily PYRGOMORPHOIDEA

Family PYRGOMORPHIDAE

Subfamily PYRGOMORPHINAE

Genus *Atractomorpha* Saussure, 1862

Atractomorpha crenulata (Fabricius, 1793)

1793. *Truxalis crenulatus* Fabricius, Ent. Syst. II: 28.

1914. *Atractomorpha crenulata* Kirby, Fauna Brit. India, Orth.: 181.

2010. *Atractomorpha crenulata* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No., 314: 129.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Gahnasiyar, 5.x.2012, 2 (♂♂); 13.x.2011, 1 (♂); Sankra Forest, 10.x.2011, 1 (♂); Sankra Forest Rest House, 10.x.2011, 1 (♂); 16.ii.2014, 1 (♂); Mahuva Bahara, 15.x.2011, 1 (♂); Khallari, 16.x.2011, 4 (♂♂); Sitanadi River, 17.x.2011, 6 (5♂♂, 1♀); Bhiragaon, 18.ii.2014, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Genus *Chrotogonus* Serville, 1838

Subgenus *Chrotogonus* Serville, 1838

Chrotogonus (Chrotogonus) trachypterus trachypterus (Blanchard, 1836)

1836. *Ommexecha trachypterus* Blanchard, Ann. Soc. ent. France, 5: 618.

2010. *Chrotogonus (Chrotogonus) trachypterus trachypterus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 134.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Khallari village, 16.x.2011, 2 (1♂, 1♀) S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Chrotogonus (Chrotogonus) oxypterus (Blanchard, 1836)

1836. *Chrotogonus oxypterus* Blanchard, Ann. Soc. ent. France, 5: 622.

2010. *Chrotogonus (Chrotogonus) oxypterus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 133.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sondur Dam, 14.x.2011, 1 (♀) S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari and Raipur.

Genus *Poekilocerus* Serville, 1831

Poekilocerus pictus (Fabricius, 1775)

1775. *Gryllus pictus* Fabricius, Systema entomologicae sistens Insectorum classes, ordines, genera, species, adjectis synonymis, locies. Flensburg et Leipzig: 289.

2000. *Poekilocerus pictus* Shishodia, Rec. zool. Surv. India, 98 (1): 41.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 2 (1♂, 1♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Dhamtari, Kabirdham and Raipur.

Genus *Aularches* Stål, 1873

***Aularches miliaris miliaris* (Linnaeus, 1758)**

1758. *Gryllus (Locusta) miliaris* Linnaeus, Systema Naturae per Regna Tria naturae, (10th ed.): 432.

2010. *Aularches miliaris miliaris* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No., 314: 139.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Gahanasiyar, 5.x.2012, 1(♂) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Dhamtari.

Superfamily TETRIGOIDEA

Family TETRIGIDAE

Subfamily SCELIMENINAE

Genus *Euscelimena* Günther, 1938

***Euscelimena harpago* (Serville, 1839)**

1839. *Tetrix harpago* Serville, Orthopteres: 763.

2005. *Euscelimena harpago* Kulkarni & Shishodia, Conservation Area Series, 24: Fauna of Melghat Tiger Reserve, Zool. Surv. India: 326.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sitanadi River, 17.x.2011, 2 (1♂, 1♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily TETRIGINAE

Genus *Ergatettix* Kirby, 1914

***Ergatettix dorsiferus* (Walker, 1871)**

1871. *Tettix dorsifera* Walker, Cat. Derm. Salt. Brit. Mus., 5: 825.

2010. *Ergatettix dorsiferus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 165.

Material examined: Chhattisgarh; Dhamtari, Sitanadi WLS, Sondur Dam, 14.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Genus *Hedotettix* Bolivar, 1887

***Hedotettix gracilis* (Haan, 1843)**

1842. *Acridium gracile* Haan, Gesch. Ned. Overszee. Bezitt, 2: 169.

2010. *Hedotettix gracilis* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 169.

Material examined: Chhattisgarh; Dhamatari, Sitanadi WLS, Shaleybhat, 21.x.2011, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Superfamily TRIDACTYLOIDEA

Family TRIDACTYLIDAE

Subfamily TRIDACTYLINAE

Genus *Tridactylus* Olivier, 1789

***Tridactylus thoracicus* Guérin, 1844**

1844. *Tridactylus thoracicus* Guérin, Iconogr. R. Anim., Ins.: 336.

2010. *Hedotettix gracilis* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 184.

Material examined: Chhattisgarh; Dhamatari, Sitanadi WLS, Bhiragaon, 18.ii.2014, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bilaspur, Dhamtari, Kabirdham and Raipur.

SUBORDER ENSIFERA

Superfamily GRYLLOIDEA

Family GRYLLIDAE

Subfamily GRYLLINAE

Genus *Modicogryllus* Chopard, 1961

Subgenus *Modicogryllus* Chopard, 1961

***Modicogryllus (Modicogryllus) confirmatus* (Walker, 1859)**

1859. *Acheta confirmata* Walker, Ann. Mag. nat. Hist., 4 (3): 221.

2010. *Modicogryllus (Modicogryllus) confirmatus* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 220.

Material examined: Chhattisgarh; Dhamatari, Sitanadi WLS, Bhiragaon, 18.ii.2014, 1 (♀) coll. S. K. Gupta & party.

Distribution in Chhattisgarh: Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Genus *Phonarellus* Gorochov, 1983**Subgenus *Phonarellus*** Gorochov, 1983***Phonarellus (Phonarellus) minor*** Chopard, 19591959. *Gymnogrillus minor* Chopard, Stuttg. Beitr. z. Naturk.: 1.2010. *Phonarellus (Phonarellus) minor* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 202.**Material examined:** Chhattisgarh; Dhamatari, Sitanadi WLS, Gahnasiyar, 5.x.2012, 1 (♂); Bhaisa sankra, 4.ix.2013, 1 (♀) coll. S. K. Gupta & party.**Distribution in Chhattisgarh:** Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.

Subfamily NEMOBIINAE

Genus *Dianemobius* Vickery, 1973***Dianemobius fascipes*** (Walker, 1869)1869. *Eneoptera fascipes* Walker, Cat. Derm. Salt. Brit. Mus.: 67.2010. *Dianemobius fascipes* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 240.**Material examined:** Chhattisgarh; Dhamatari, Sitanadi WLS, Sankra Forest Rest House, 25.ii.2014, 19 (2♂♂, 17♀♀) coll. S. K. Gupta & party.**Distribution in Chhattisgarh:** Bastar and Dhamtari.

Family GRYLLOTALPIDAE

Genus *Gryllotalpa* Latreille, 1802***Gryllotalpa africana*** Beauvois, 18051805. *Gryllotalpa africana* Beauvois, Ins. Afr. Amer.: 229.2010. *Gryllotalpa africana* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 260.**Material examined:** Chhattisgarh; Dhamatari, Sitanadi WLS, Sankra Forest, 13.x.2011, 1 (♂); Bhaisa Sankra, 30.viii.2013, 2 (1♂, 1♀); Gahnasiyar, 29.viii.2013, 1 (♀) coll. S. K. Gupta & party.**Distribution in Chhattisgarh:** Bastar, Bilaspur, Dhamtari, Kabirdham and Raipur.***Gryllotalpa hirsuta*** Burmeister, 1838 (*)1838. *Gryllotalpa hirsuta* Burmeister, Handb. Ent., 2: 739.2010. *Gryllotalpa hirsuta* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 261.**Material examined:** Chhattisgarh; Dhamatari, Sitanadi WLS, Sankra Forest Rest House, 13.x.2011, 2 (1♂, 1♀) coll. S. K. Gupta & party.**Distribution in Chhattisgarh:** Dhamtari.

Remark: New record from Chhattisgarh state.

Superfamily TETTIGONIOIDEA

Family TETTIGONIIDAE

Subfamily PHANEROPTERINAE

Genus *Elimaea* Stål, 1874**Subgenus *Elimaea*** Stål, 1874***Elimaea (Elimaea) securigera*** Brunner von wattenwyl, 18781878. *Elimaea (Elimaea) securigera* Brunner von Wattenwyl, Monographie der Phaneropteriden: 93.2010. *Elimaea (Elimaea) securigera* Shishodia et al., Rec. zool. Surv. India, Occ. Paper No. 314: 306.**Material examined:** Chhattisgarh; Dhamatari, Sitanadi WLS, Bhiragaon, 18.ii.2014, 2 (♂♂) coll. S. K. Gupta & party.**Distribution in Chhattisgarh:** Bilaspur, Dhamtari, Kabirdham and Raipur.**Abbreviation:** WLS: Wildlife Sanctuary; FRH : Forest Rest House.**ACKNOWLEDGEMENTS**

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Table. Co-ordinates of collection localities of Sitanadi Wildlife sanctuary.

S. NO.	Site	Latitude N			Longitude E			Alt.(m)
		Deg	Min	Sec	Deg	Min	Sec	
1	Arsikanahar	20	14	51.6	82	09	38.8	502
2	Bhaisa sankra	20	18	06.5	82	01	04.7	457
3	Bhothali	20	17	15.4	81	59	8.0	450
4	Bhiragaon	22	14	5.6	81	59	50	430
5	Gahnasiyar	20	14	78.5	81	59	976	483
6	Khallari village	20	07	614	82	00	639	534
7	Lelanz river	21	13	938	82	01	298	488
8	Mahuvabahara	20	15	848	81	59	265	471
9	Sankra FRH	20	16	926	81	58	324	447
10	Shaleybhat	20	07	639	82	00	880	529
11	Sitanadi river	20	10	886	81	54	771	490
12	Sondur dam	20	13	688	82	06	223	487