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Records of Orthoptera (Insecta) fauna from Surguja District, Chhattisgarh, India

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Abstract

The paper deals with the collection of Orthoptera fauna of Surguja district Chhattisgarh, which includes the study of 41 species pertaining to 37 genera under 5 families. Of these, one species *i.e.* *Pternoscirta cinctifemur* (Walker) is recorded for the first time from Chhattisgarh state.

Keywords: *Orthoptera, Surguja, Chhattisgarh, India*

Introduction

A noteworthy contribution of Orthoptera fauna of Chhattisgarh has been made by Sinha and Agarwal [1], Dwivedi [2,3], Dwivedi and Chatteraj [4], Shishodia [5], Chandra *et al.* [6], Gupta *et al.* [7], Gupta and Chandra [8, 9], Shishodia *et al.* [10], Chandra and Gupta [11] and Gupta and Shishodia [12].

During the extensive and intensive survey of Surguja district from 2011 to 2014, a total of 140 specimens pertaining to 41 species and subspecies belonging to 37 genera under 5 families viz. Acrididae 21 species 19 genera, Pyrgomorphidae 2 species 2 genera, Tettigidae 6 species 4 genera, Gryllidae 3 species 3 genera, Tettigoniidae 9 species 9 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 at Surguja district, which is located in the northern part of Chhattisgarh in 2011 to 2014. The area of the district is about 8654.96 sq. km., which lies between latitude 23°37'25" to 24°6'17"N; longitude 81°34'40" to 84°4'40"E.

The vegetation of the district comprises of tropical dry deciduous forest with Harra (*Terminalia chebula*), Tendu (*Diospyros melanoxylon*), Saja (*Terminalia tomentosa*), Teak (*Tectona grandis*), Khair (*Acacia catechu*), Sal (*Shorea robusta*), Bamboo (*Dendrocalamus strictus*), Semal (*Bombax ceiba*), Dhaora (*Anogeissus latifolia*), Salai (*Boswellia serrata*), Aonla (*Emblica officinalis*), Haldu (*Adina cordifolia*), Mahua (*Madhuca longifolia*), Amaltas (*Cassia fistula*) and Ber (*Ziziphus mauritiana*).

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.

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Table: Co-ordinates of collection localities of Surguja district

S. No.	Site	Latitude N			Longitude E			Alt.(m)
		Deg	Min	Sec	Deg	Min	Sec	
1	Mendragoon	23	53	12.7	82	43	12.5	643
2	Pendra Beat	23	39	32.8	83	38	4.6	576
3	Taraiya nala	22	54	34.4	82	44	45.1	601
4	Jaljali	22	49	7.7	83	15	30.0	1133
5	Balrampur	23	36	908	83	36	14	489
6	Durghutta Beat	23	39	32.7	83	38	4.7	534
7	TarlekHUDal	23	49	47.7	82	44	9.5	837
8	Mainpat Rest House	22	49	3.8	83	17	6.7	1137
9	Tara Beat	22	50	9.9	82	42	54.2	568
10	Khar village	23	44	23.3	82	48	29.5	396
11	Nursury Giu range	23	39	6.9	83	5	72.3	482
12	Machli Point	22	48	18.8	82	48	29.5	396
13	Amajharia	23	41	48.4	83	06	57.7	437
14	Bengchi Pahar	23	41	49	82	53	8.7	445
15	Moharli rest House	23	48	36.4	82	43	10.4	494
16	Kadoura	23	31	11.5	83	23	45.6	628
17	Anjani Beat	23	42	18.3	82	48	27.8	450
18	Ramkola	23	38	30.3	82	59	7.3	556
19	Rehand Range	23	47	54.3	82	36	3.29	508

Systematic Account

Order ORTHOPTERA
 Suborder CAELIFERA
 Infraorder ACRIDIDEA
 Superfamily ACRIDOIDEA
 Family ACRIDIDAE
 Subfamily ACRIDINAE
Genus *Acrida* Linnaeus, 1758

1. *Acrida gigantea* (Herbst, 1794)

1794. *Truxalis gigantea* Herbst, *Fuessly Archiv.*: 173.
 2008. *Acrida gigantea*, Shishodia, In Faunal Diversity of Jabalpur district, Madhya Pradesh, Zool. Surv. India: 97.
Material examined: Chhattisgarh; Surguja, Mainpat Rest House, 20.xi.2011, 1(♀); Tamor Pingla WLS; Ramkola, 14.v.2013, 2(♀); 15.v.2013, 1(♂) coll. A. Raha & party.
Distribution in Chhattisgarh: Kabirdham, Raipur and Surguja.

2. *Acrida turrita* (Linnaeus, 1758)

1758. *Gryllus Acrida turritus* Linnaeus, *Syst. Nat.* (ed. X): 427.
 1764. *Gryllus Acrida nasutus*, Linnaeus, *Mus. Ludov. Ulric.*: 118.
 1914. *Acrida turrita*, Kirby, *Fauna Brit. India, Orth.*: 98.
Material examined: Chhattisgarh; Surguja, Mendragoon, 19.xi.2011, 2(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Kabirdham, Raipur and Surguja.
 Subfamily CALLIPTAMINAE
Genus *Acorypha* Krauss, 1877

3. *Acorypha glaucopsis* (Walker, 1870)

1870. *Caloptenus glaucopsis* Walker, *Cat. Derm. Salt. Brit. Mus.*, 4: 702.
 2010. *Acorypha glaucopsis*, Shishodia et al., *Rec. zool. Surv. India*, Occ. Paper No. 314: 23.
Material examined: Chhattisgarh; Surguja, Tamor Pingla WLS; Rehand, 8.ix.2011, 1(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Surguja.
 Subfamily CATANTOPINAE
Genus *Diabolocatantops* Jago, 1984

4. *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; Surguja, Tamor Pingla WLS, Ramkola, 14.v.2013, 3(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Bastar, Bilaspur, Kabirdham, Raipur and Surguja.

Genus *Stenocatantops* Dirsh & Uvarov, 1953

5. *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; Surguja, Anjani Beat, 10.xi.2011, 3(2♂, 1♀); Kariyanet, 19.xi.2011, 1(♀); Tara Beat, 19.xi.2011, 1(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Bastar, Bilaspur, Kabirdham, Raipur and Surguja.

Genus *Xenocatantops* Dirsh & Uvarov, 1953

6. *Xenocatantops humilis humilis* (Serville, 1839)

1839. *Acridium humile* Serville *Ins, Orth.*: 662.
 2000. *Xenocatantops humilis humilis*, Shishodia, *Rec. zool. Surv. India*, 98(1): 62.
Material examined: Chhattisgarh; Surguja, Anjani Beat, 10.xi.2011, 3(2♂, 1♀); Kariyanet, 19.xi.2011, 1(♀); Tara Beat, 19.xi.2011, 1(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Bastar, Bilaspur, Raipur and Surguja.

7. *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; Surguja, Tara beat, 19.xi.2011, 1(♀) coll. A. Raha & party.
Distribution in Chhattisgarh: Bastar, Bilaspur, Kabirdham Raipur and Surguja.
 Subfamily COPTACRIDINAE
Genus *Eucoptacra* Bolivar, 1902

8. *Eucoptacra praemorsa* (Walker, 1870)

1870. *Acridium saturatum* Walker, *Cat. Derm. Salt. Brit. Mus.*, 4 : 628.

1921. *Eucoptacra saturata*, Uvarov, *Ann. Mag. Nat. Hist.*, 7 (9) : 503.

1976. *Eucoptacra praemorsa*, Tandon, *Rec. zool. Surv. India*, Occ. Pap. No. 3: 10.

Material examined: Chhattisgarh; Surguja, Tajawar range, 11.xi.2011, 2(♂, ♀); Tipika tower, 9.xi.11, 1(♀) coll. A. Raha & Party. *Distribution in Chhattisgarh*: Bastar, Bilaspur, Kabirdham, Raipur and Surguja.

Subfamily GOMPHOCERINAE

Genus *Aulacobothrus* Bolivar, 1902

9. *Aulacobothrus luteipes luteipes* (Walker, 1871)

1871. *Stenobothrus luteipes* Walker, *Cat. Derm. Salt. Brit. Mus.*, 5: 82. 2000. *Dnopherula (Aulacobothrus) luteipes*, Shishodia, *Rec. zool. Surv. India*, 98(1): 45.

Material examined: Chhattisgarh; Surguja, Tiger Point, 21.xi.11, 1(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Bastar, Raipur and Surguja.

Genus *Gelastorhinus* Brunner, 1903

10. *Gelastorhinus laticornis* (Serville, 1839)

1839. *Opomala laticornis* Serville, *Ins. Orth.*: 590.

1914. *Gelastorhinus laticornis*; Kirby, *Fauna Brit. India, Orth.* : 118.

2010. *Gelastorhinus laticornis*, Shishodia *et al. Rec. zool. Surv. India*, Occ. Paper No. 314: 61.

Material examined: Chhattisgarh; Surguja, Tipika tower, 9.xi.2011, 1(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Bilaspur and Surguja.

Subfamily HEMIACRIDINAE

Genus *Hieroglyphus* Krauss, 1877

11. *Hieroglyphus banian* (Fabricius, 1798)

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

1914. *Hieroglyphus banian*, Kirby, *Fauna Brit. India, Orth.*: 204.

Material examined: Chhattisgarh; Surguja, Tiger Point, 21.xi.11, 1(♀); Tara RH, 16.ix.2012, 1(♀) coll. A. Raha & party.

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

Subfamily OEDIPODINAE

Genus *Acrotylus* Fieber, 1853

12. *Acrotylus humbertianus* Saussure, 1884

1884. *Acrotylus humbertianus* Saussure, *Mem. Soc. Phys. Hist. nat. Geneva*, 28(9): 189.

2000. *Acrotylus humbertianus*, Shishodia, *Rec. zool. Surv. India*, 98(1): 49.

Material examined: Chhattisgarh; Surguja, Tara Avaya nala, 17.ix.2012, 1(♂) coll. A. Raha & party.

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

Genus *Aiolopus* Fieber, 1853

13. *Aiolopus thalassinus tamulus* (Fabricius, 1798)

1798. *Gryllus tamulus* Fabricius, *Entomologia systematica Suppl.*: 195.

2010. *Aiolopus thalassinus tamulus*, Shishodia *et al.*, *Rec. zool. Surv. India*, Occ. Paper No. 314: 88.

Material examined: Chhattisgarh; Surguja, Maharli Rest House, 16.viii.2011, 2(♂) coll. A. Raha & party.

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

Genus *Ditopternis* Saussure, 1884

14. *Ditopternis venusta* (Walker, 1870)

1870. *Oedipoda venusta* Walker, *Cat. Derm. Salt. Brit. Mus.*, 4: 740.

2000. *Ditopternis venusta*, Shishodia, *Rec. Zool. Surv. India*, 98(1): 50.

Material examined: Chhattisgarh; Surguja, Taraguda Ghat, 16.ix.2012, 1(♂) coll. A. Raha & Party.

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

Genus *Heteropternis* Stål, 1873

15. *Heteropternis respondens* (Walker, 1859)

1859. *Acrydium respondens*, Walker, *Ann. Mag. nat. Hist.*, 4 (3): 217-224. 2007. *Heteropternis respondens*, Mandal & Yadav, *State Fauna Series 5 : Fauna of Andhra Pradesh*, Part 3. *Zool. Surv. India*: 206.

Material examined: Chhattisgarh; Surguja, Tara RH, 16.ix.2012, 2(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Bilaspur, Raipur and Surguja.

Genus *Pternoscirta* Saussure, 1884

16. *Pternoscirta cinctifemur* (Walker, 1859) (*)

1859. *Acridium cinctifemur* Walker, *Ann. Mag. nat. Hist.*, 4(3): 223.

2010. *Pternoscirta cinctifemur*, Shishodia *et al.*, *Rec. zool. Surv. India*, Occ. Paper No. 314: 95.

Material examined: Chhattisgarh; Surguja, Tara beat, 19.xi.2011, 1(♀); Mainpat Rest House, 21.xi.2011, 1(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Surguja.

Remark: This species is new record from Chhattisgarh state.

Genus *Oedaleus* Fieber, 1853

17. *Oedaleus abruptus* (Thunberg, 1815)

1815. *Gryllus abruptus* Thunberg, *Mem. Acad. Sci. St. Peterb.*, 5: 233.

1981. *Oedaleus abruptus*, Ritchie, *Bull. Br. Mus. Nat. Hist. (Ent.)*, 42(3): 104.

Material examined: Chhattisgarh; Surguja, Tajawar range, 11.xi.2011, 1(♀) coll. A. Raha & Party.

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

Genus *Trilophidia* Stål, 1873

18. *Trilophidia annulata* (Thunberg, 1815)

1815. *Gryllus annulatus* Thunberg, *Mem. Acad. Sci. St. Petersb.* 5 : 234.

1990. *Trilophidia annulata*, Shishodia & Mandal *Rec. zool. Surv. India*, 87 (1): 70.

Material examined: Chhattisgarh; Surguja, Mainpat RH, 17.viii.2011, 1(♀); Mendragaoon, 19.xi.2011, 1(♀); Khar village, 10.xi.2011, 1(♀) coll. A. Raha & party.

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

Subfamily OXYINAE

Genus *Oxya* Serville, 1831

19. *Oxya hyla hyla* Serville, 1831

1831. *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; Surguja, Pendra Beat, 17.xi.2011, 1(♀); Mendragaon, 19.xi.2011, 1(♀); Mainpat RH, 20.xi.2011, 1(♀); Tamor Pingla WLS; Ramkola, 15.v.2013, 1(♂) coll. A. Raha & party.
Distribution in Chhattisgarh: Bastar, Bilaspur, Kabirdham, Raipur and Surguja.

20. *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; Surguja, Tiger Point, 21.xi.11, 1(♀) coll. A. Raha & Party.

Distribution in Chhattisgarh: Raipur and Surguja.

Subfamily **SPATHOSTERNINAE**

Genus *Spathosternum* Krauss, 1877

21. *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; Surguja, Nursury Ghui range, 12.xi.2011, 1(♀); Taraiya nala, 17.ix.2012, 2(♂,♀) coll. A. Raha & party.

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

Superfamily **PYRGOMORPHOIDEA**

Family **PYRGOMORPHIDAE**

Subfamily **PYRGOMORPHINAE**

Genus *Atractomorpha* Saussure, 1862

22. *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; Surguja, Mainpat Rest House, 16.ix.2011, 1(♀); Kaduara Beat, 16.xi.2011, 3(1♂,2♀); Pendra Beat, 17.xi.2011, 3(♂); Mendragaon, 19.xi.2011, 2(♀); Jaljali, 11.ix.2012, 1(♀); Tara Rest House, 16.ix.2012, 1(♀); 18.ix.2012, 1(♀); Tamor Pingla WLS; Ramkola, 15.v.2013, 21(♂) coll. A. Raha & party.

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

Genus *Chrotogonus* Serville, 1838

Subgenus *Chrotogonus* Serville, 1838

23. *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; Surguja, Balrampur Rest House, 14.xi.2011, 1(♀) coll. A. Raha & party.

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

Superfamily **TETRIGOIDEA**

Family **TETRIGIDAE**

Subfamily **SCELIMENINAE**

Genus *Euscelimena* Günther, 1938

24. *Euscelimena harpago* (Serville, 1839)

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

2010. *Euscelimena harpago*, Shishodia et al., *Rec. zool. Surv. India*, Occ. Paper No. 314: 162.

Material examined: Chhattisgarh; Surguja, Mainpat Rest House, 21.xi.2011, 1(♀) coll. A. Raha & party.

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

Genus *Thoradonta* Hancock, 1909

25. *Thoradonta spiculoba* Hancock, 1912

1912. *Thoradonta spiculoba* Hancock, *Mem. Dept. Agric. India*, 4(2): 138.

2001. *Thoradonta spiculoba* Ingrisch & Garai, *Esperiana*, 8: 759.

Material examined: Chhattisgarh; Surguja, Taravaya nala, 17.ix.2012, 1(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Bastar, Surguja.

Subfamily **TETRIGINAE**

Genus *Euparatettix* Hancock, 1904

26. *Euparatettix histricus* (Stål, 1861)

1861. *Tetrix histricus* Stål, *Freg. Eugenias Resa. Orth.*,:347.

1992. *Pseudoparatettix histricus*, Blackith, *Cat. S. E. Asian Tetrigidae*,:149.

2000. *Euparatettix histricus*, Shishodia, *Rec. zool. Surv. India*, 98 (1): 35.

Material examined: Chhattisgarh; Surguja, Anjani Beat, 10.xi.2011, 6(4♂,2♀); Tara Rest House, 16.ix.2012, 2(♂,♀) coll. A. Raha & Party.

Distribution in Chhattisgarh: Bastar, Surguja.

27. *Euparatettix variabilis* (Bolivar, 1887)

1887. *Paratettix personatus* Bolivar, *Annls Soc. Ent. Belg.*, 31: 276.

1992. *Euparatettix variabilis*, Blackith, *Cat. S. E. Tetrigidae*,: 36.

Material examined: Chhattisgarh; Surguja, Anjani Beat, 10.xi.2011, 1(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Bastar, Surguja.

Genus *Hedotettix* Bolivar, 1887

28. *Hedotettix attenuatus* Hancock, 1904

1904. *Hedotettix attenuatus* Hancock, *Spolia zeylan*, 2: 151.

2010. *Hedotettix attenuatus*, Shishodia et al., *Rec. zool. Surv. India*, Occ. Paper No. 314: 167.

Material examined: Chhattisgarh; Surguja, Sarbhanja Beat, Machli Point, 21.xi.2011, 1(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Bastar, Raipur and Surguja.

29. *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; Surguja, Mainpat Rest House, 20.xi.2011, 1(♀) coll. A. Raha & party.

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

Suborder **ENSIFERA**

Superfamily **GRYLLOIDEA**

Family **GRYLLIDAE**

Subfamily **GRYLLINAE**

Genus *Modicogryllus* Chopard, 1961

Subgenus *Modicogryllus* Chopard, 1961

30. *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; Surguja, Bengchi Pahar, 10.xi.2011, 1(♀) coll. A. Raha & party.

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

Genus *Teleogryllus* Chopard, 1961

Subgenus *Macroteleogryllus* Gorochoy, 1988

31. *Teleogryllus (Macroteleogryllus) mitratus* (Burmeister, 1838)

1838. *Gryllus mitratus* Burmeister, *Handb. Ent.*, 2 : 34.

2010. *Teleogryllus (Macroteleogryllus) mitratus*, Shishodia *et al.*, *Rec. zool. Surv. India*, Occ. Paper No. 314: 209

Material examined: Chhattisgarh; Surguja, Amajharia, 9.ix.2011(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Bilaspur and Surguja.

Genus *Phonarellus* Gorochoy, 1983

Subgenus *Phonarellus* Gorochoy, 1983

32. *Phonarellus (Phonarellus) minor* Chopard, 1959

1959. *Gymnogryllus 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; Surguja, Durghutta Beat, 17.xi.2011, 2(♂) coll. A. Raha & party.

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

Superfamily **TETTIGONIOIDEA**

Family **TETTIGONIIDAE**

Subfamily **CONOCEPHALINAE**

Genus *Conocephalus* Thunberg, 1815

Subgenus *Anisoptera* Latreille, 1829

33. *Conocephalus (Anisoptera) maculatus* (Le Guillou, 1841)

1841. *Xiphidion maculatum* Le Guillou, *Revue Zool.*, 4 : 294.

2010. *Conocephalus (Anisoptera) maculatus*, Shishodia *et al.*, *Rec. zool. Surv. India*, Occ. Paper No. 314 : 284.

Material examined: Chhattisgarh; Surguja, Tamor Pingla WLS, Ramkola, 15.v.2013, 4(1♂, 3♀) coll. A. Raha & party.

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

Subfamily **HEXACENTRINAE**

Genus *Hexacentrus* Serville, 1831

34. *Hexacentrus unicolor* Serville, 1831

1831. *Hexacentrus unicolor* Serville, *Ann. Sci. nat. (Zool.)*, Paris, 22 : 146.

2000. *Hexacentrus unicolor* Shishodia, *Rec. zool. Surv. India*. 98 (1): 13.

Material examined: Chhattisgarh; Surguja, Tara Rest House, 16.ix.2012, 2(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Kabirdham, Raipur and Surguja.

Subfamily **MECOPODINAE**

Genus *Mecopoda* Serville, 1831

35. *Mecopoda elongata elongata* (Linnaeus, 1758)

1758. *Gryllus (Tettigonia) elongatus* Linnaeus, *Syst. Nat.* (10th ed.), 1: 429.

2003. *Mecopoda elongata*, Barman, *State Fauna Series 9: Fauna of Sikkim*, Zool. Surv. India, (2): 195.

Material examined: Chhattisgarh; Surguja, Tipika tower, 9.xi.2011, 1(♀); Tara Rest House, 20.xi.2011, 1(♂) coll. A. Raha & Party.

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

Subfamily **PHANEROPTERINAE**

Genus *Elimaea* Stål, 1874

Subgenus *Orthelimaea* Karny, 1926

36. *Elimaea (Orthelimaea) securigera* Brunner von Wattenwyl, 1878

1878. *Elimaea (Orthelimaea) securigera* Brunner von Wattenwyl, *Monographie der Phaneropteriden*: 93. 2000.

Elimaea (Orthelimaea) securigera, Barman, *State Fauna Series 7: Fauna of Tripura*, Zool. Surv. India, (2): 264.

Material examined: Chhattisgarh; Surguja, Tara Rest House, 16.ix.2012, 1(♂); Mainpat Rest House, 20.xi.2011, 2(♂) coll. A. Raha & party.

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

Genus *Holochlora* Stål, 1873

37. *Holochlora indica* Kirby, 1906

1906. *Holochlora indica* Kirby, *Syn. Cat. Orth.*: 430.

2000. *Holochlora indica*, Shishodia, *Rec. zool. Surv. India*, 98 (3): 10. *Material examined*: Chhattisgarh; Surguja, Tamor Pingla WLS; Ramkola, 14.v.2013, 1(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Raipur and Surguja.

Genus *Khaoyaiana* Ingrisch, 1990

38. *Khaoyaiana nitens* Ingrisch, 1990

1990. *Khaoyaiana nitens* Ingrisch, *Senckenbergiana biologica*, 70: 107. 2010. *Khaoyaiana nitens*, Shishodia *et al.*, *Rec. zool. Surv. India*, Occ. Paper No. 314: 301.

Material examined: Chhattisgarh; Surguja, Mainpat Beat, 20.ix.2011, 2(♂, ♀); Tara Lekhutdand, 15.ix.2012, 1(♂); Mainpot Resort, 12.ix.2012, 1(♀); Narula Beat, 12.xi.2011, 1(♀) coll. A. Raha & Party.

Distribution in Chhattisgarh: Kabirdham, Raipur and Surguja.

Genus *Letana* Walker, 1869

39. *Letana intermedia* Ingrisch, 1990

1990. *Letana intermedia* Ingrisch, *Ent. Scand.*, 21(3): 260.

2005. *Letana intermedia*, Kulkarni & Shishodia, *Fauna of Melghat Tiger Reserve, Conservation area series*, 24: 321.

Material examined: Chhattisgarh; Surguja, Tara Rest House, 18.xi.2011, 2(♂) coll. A. Raha & party.

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

Subfamily **PSEUDOPHYLLINAE**

Genus *Phyllozelus* Redtenbacher, 1892

Subgenus *Phyllozelus* (Redtenbacher, 1892)

40. *Phyllozelus (Phyllozelus) siccus siccus* (Walker, 1869)

1869. *Pseudophyllus siccus* Walker, *Cat. Derm. Salt. Brit. Mus.*, : 403.

2003. *Phyllozelus siccus*, Barman, *State Fauna Series 9: Fauna of Sikkim*, Zool. Surv. India, (2): 200.

2013. *Phyllozelus (Phyllozelus) siccus siccus*, Gupta & Chandra, *Uttar Pradesh J. Zool.*, 33(3): 246.

Material examined: Chhattisgarh; Surguja, Tara Rest House, 16.ix.2012, 11(♂) coll. A. Raha & party.

Distribution in Chhattisgarh: Raipur and Surguja.

Genus *Sathrophyllia* Stål, 1874

41. *Sathrophyllia femorata* (Fabricius, 1787)

1787. *Locusta femorata* Fabricius, *Mantissa Insectorum stens eorum species nuper detectas adjectis characteribus genericis, differentiis specificis, emendationibus, observationibus*,: 233.

1869. *Sathrophyllia femorata* Walker, *Cat. Derm. Salt. Brit. Mus.*,: 401. 2003. *Sathrophyllia femorata*; Barman, *State Fauna Series 9: Fauna of Sikkim*, Zool.Surv. India, (2): 197.

Material examined: Chhattisgarh; Surguja, Khar village, 10.xi.2011, 1(♀); Taralekhudal, 15.ix.2012, 1(♀); Mendragaon, 19.xi.2011, 1(♀) coll. A. Raha & party.

Distribution in Chhattisgarh: Bilaspur, Kabirdham and Surguja



Fig

Summary

A total of 41 species and subspecies under 37 genera belonging 5 families of Orthopteran fauna have been reported from Surguja district Chhattisgarh, of which one species is new addition to the Chhattisgarh state.

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