



Research Paper

Diversity of Hemiptera Fauna of Bhoj Wetland and Surrounding Areas (Van Vihar National Park) Bhopal, Madhya Pradesh India

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Received: 02/03/2017

Revised: 04/04/2017

Accepted: 14/04/2017

Abstract: The state of Madhya Pradesh was created in 1956, total covering about 14.5% of the total area of India. The elevation is largely 305 to 610 m. As per records total forest area is 308,245 km² annual rainfall is 1800 mm and temperature is 22.5⁰- 25⁰C. Bhoj Wetlands, Bhopal, which is one of the 26 Ramsar sites that India has designated under the Ramsar Convention. Present study is devoted to the systematics of 42 Hemipteran species a under 13 families recorded from Bhoj Wetland and Van Vihar National sanctuary, Bhopal district of Madhya Pradesh, India.

Keywords: Hemiptera, RWLS, Madhya Pradesh.

INTRODUCTION

Hemiptera is a large diverse group of insects. The present paper is based on a collection of Hemiptera from Bhoj Wetland Bhopal including van Vihar National Park by the different tour party of Zoological Survey of India, Jabalpur.

A detailed account of Hemiptera fauna of central India had been done by Distant (1902 & 1904). Later on brief account of this order were described by Ghosh & Biswas, 1995,

Ramakrishna *et al.* 2006, Chandra 2000, 2008 & 2009, Ramakrishna *et al.* 2006, Chandra *et al.* 2010, 2011, 2012 and 2014 and Chandra and Kushwaha 2012a, 2012 b, 2013, 2014a and 2014b respectively from Madhya Pradesh.

Earlier the one species had been described by Chandra and Kushwaha in 2015 from Bhoj Wetland Bhopal.

The study yielded the altogether 42 species belonging to 13 families of the order Hemiptera and all these species are reported first time from this sanctuary. The distribution of the species in the sanctuary is also provided.

SYSTEMATIC ACCOUNT

ORDER: HEMIPTERA

INFRAORDER: CICADOMORPHA

SUPERFAMILY: CERCOPOIDEA

FAMILY: CERCOPIDAE

1. *Callitettix versicolor* (Fabricius), 1794
1794. *Callitettix versicolor* Fabricius, *Ent.Syst.* IV: 50.
1908. *Callitettix versicolor* Distant, *Fauna Br. India*, IV: 113.

2004. *Callitettix versicolor*: Biswas et al., *State Fauna Series 10: Fauna of Manipur*: 244

Material examined: Bhopal, 5.11.16, 7 ex., Geragaon, Bhoj Wetland, Coll. S. Sambath & Party.

Distribution: India; Madhya Pradesh, Bihar, Kashmir, Maharashtra, Sikkim, Tamil Nadu, Uttar Pradesh and West Bengal. *Elsewhere*: Burma, China and South Eastern Asia.

SUBORDER: HETEROPTERODEA

INFRAORDER: CIMICOMORPHA

SUPERFAMILY: CIMICOIDEA

FAMILY: REDUVIIDAE

2. *Tribelocephala indica* (Walker), 1873

1873. *Tribelocephala indica* Walker, *Cat. Het.*, VIII: 20.

1902. *Tribelocephala indica* Distant, *Fauna Br. India, Heteroptera*, II: 220.

Material examined: Bhopal, 8.11.16, 2 ex, Bilkhedi Bamhori, Bhoj wetland, Coll. S. Sambath & Party.

Distribution: Madhya Pradesh, Assam and West Bengal.

3. *Scadra annulipes*, Reuter 1881

1881. *Scadra annulipes* Reuter, *Act. Soc. Sc. Fenn.* XII: 309

1902. *Scadra annulipes* Distant, *Fauna Br. India*, II: 310.

Material examined: Bhopal, Kharraghat, 16.07.2013, 2exs, Coll. S. Sambath & Party.

Distribution: Madhya Pradesh and West Bengal.

4. *Ectrychotes dispar* Reuter, 1881

1881. *Ectrychotes dispar* Reuter, *Act. Soc. Sc. Fenn.*, XII: 304.

1902. *Ectrychotes dispar* Distant, *Fauna Br. India*, II: 315.

Material examined: Bhopal, Gaura (Night coll.), 19.04.2015, 4 exs, Coll. S. S. Talmale & Party.

Distribution: India; Madhya Pradesh, Andhra Pradesh, Maharashtra and West Bengal.

5. *Polididus armatissimus* Stal, 1859

1859. *Polididus armatissimus* Stal, *Ofv. Vet.-Ak. Forh.*: 376.

1902. *Polididus armatissimus* Distant, *Fauna Br. India*, II: 386 - 387.

2007. *Polididus armatissimus* Biswas and Bal, *Fauna of Andhra Pradesh: State Fauna Series 5*: 336

Material examined: Bhopal, Bilkhedi-Bamhori 22.04.2015, 6 exs, Coll. S. Sambath & Party.

Diagnostic character: Pale brownish ochraceous, abdomen beneath with a piceous sub lateral fascia on each side, sternum infuscate and grayish pilose. Anterior pronotal lobe with grayish narrow vittae, head with a long spine behind the base of each antenna and with a number of smaller discal spines. Femora strongly spinous.

Distribution: India; Madhya Pradesh, Maharashtra and West Bengal. *Elsewhere*: China, Japan, Myanmar, Philippines and Sri Lanka.

6. *Rhynocoris fuscipes* (Fabricius, 1787)

1787. *Rhynocoris fuscipes* Fabricius *Mantissa Insectorum*. Hafniae. I: xx + 348; II: 1-374, appendix 375-382.

1874. *Reduvius (Reduvius) fuscipes* Stål, *Enumeratio Reduviidarum Europae, Africae, Asiae, et Australiae*. In: *Enumeratio Hemipterorum*, IV. *Kongliga Svenska Vetenskaps- Akademiens Handlingar* IV: 3-97.

Material examined: Bhopal, Bilkhedi-Bamhori, 22.04.2015, 1 exs, Coll. S. Sambath & Party.

Distribution: India, Andhra Pradesh, Maharashtra, West Bengal, Orissa and Tamil Nadu.

7. *Acanthaspis fulvipes* (Dallas, 1850)

1850. *Platymetis fulvipes* Dallas, *Tr. Ent. Soc.*: f.3

1902. *Acanthaspis fulvipes* Distant, *Fauna Brit. India, Rhynchota*, II: 259.

2006. *Acanthaspis fulvipes* Ambrose, *Zoos' Print Joun.*, XXI (9):19.

Material examined: Bhopal, Khanugaon, (1 ex), 24.04.2015, Bhoj Wetland, Coll. S. S. Talmale & Party, Bhopal, VVNP, Vihar Vithika, 14.x.2003, (ex 1), Coll. D. K. Nema.
Distribution: India: Madhya Pradesh, Assam, Sikkim and West Bengal.

Elsewhere: Myanmar and Sri Lanka.

8. *Acanthaspis siva* Distant, 1902

1902. *Acanthaspis siva* Distant, *Fauna Brit. India, Rhynchota*, II: 265.

2006. *Acanthaspis siva*: Ambrose, *Zoos'Print Joun.*, XXI (9):20.

Material examined: Bhopal, Bilkhedi-Bamhori, Bhoj Wetland, 8.xi.2016, (ex 1), Coll. S. Sambath, Bhopal, VVNP, Vihar Vithika, 12.x.2003, (ex 1), Coll. D. K. Nema
Distribution: India: Madhya Pradesh and Tamil Nadu.

9. *Androclus pictus* (Herrich-Schaeffer, 1848)

1848. *Androclus pictus* Herrich-Schaeffer, *Die Wanzenartigen Insekten*. Nurnberg: C.H. Zeh's schen Buchhandlung III: 33-114.

1848. *Androclus pictus* Herr.-Schiiff, *Wanz. Ins.*, VIII: 63.

1902. *Androclus pictus* Distant, *Fauna Br. India, Heteroptera*, II: 290.

Material examined: Bhopal, Bairagarh, 24.ix.2006, (ex 1), Bhoj Wet Land, Coll. J. Thilak & Party, Bhopal, Geragaon, Bhoj wetland, 05.xi.2016, (ex 1), Coll. S. Sambath & Party.

Distribution: India; Madhya Pradesh and Maharashtra.

10. *Sirthena flavipes* (Stal, 1955)*

1855. *Sirthena flavipes* Stal, *Nya Hemiptera. Ofversigt of Konglia Vetenskaps-Akademiens forhandlinga* XII: 181-192.

1873. *Pirates flavipes* Walker, *Catalogue of the specimens of Hemiptera Heteroptera in the collection of the British Museum*. Printed for the Trustees, London. Part VII: 1-123.

Material examined: Bhopal, VVNP, Vihar Vithika, 14.x.2003, (ex 1), Coll. D. K. Nema.

Distribution: India: Madhya Pradesh, Assam, Nagaland and Tamil Nadu.

Elsewhere: China, Hong Kong, Indonesia, Japan, Philippines, Sri Lanka.

INFRAORDER: PENTATOMORPHA
SUPERFAMILY: LYGAEOIDEA
FAMILY: LYGAEIDAE

11. *Spilostethus hospes* (Fabricius), 1794

1794. *Lygaeus hospes* Fabricius, *Ent. Syst.*, IV:150

2009. *Spilostethus hospes*, Ghosh, *Handbook on hemiptera pest in India* : 371 Zoological survey of India.

Material examined: Bhopal, Bairagarh, 25.ix.2006, (1 ex.) Bhoj Wet land, Coll. J. Thilak & party.

Distribution: India: Madhya Pradesh, Maharashtra, Orissa, Tamil Nadu and West Bengal. *Elsewhere:* Australia, China, Malayan Archipelago, Pakistan, Sri Lanka and New Caledonia,

12. *Spilostethus pandurus militaris* (Fabricius, 1775)

1775 *Cimex militaris* Fabricius *Syst. Ent.*: 717

1988. *Spilostethus pandurus militaris*: Mukhopadhaya, *Rec. Zool. Surv. India, Occ. Paper No. 107*:15

Material examined: Bhopal, Shivaniya, 23.iv.15, (1 ex), Bhoj Wet Land, Coll. S.S. Talmale & Party.

Distribution: India: Madhya Pradesh, Karnataka, Maharashtra, Orissa, Punjab, Uttar Pradesh, and West Bengal. *Elsewhere:* Australia, Pakistan.

13. *Metochus uniguttatus* (Thunberg, 1822)

1822. *Dieuches uniguttatus* Thunberg, *Hem. Rostr. cap.*, IV: 6.

1902. *Dieuches uniguttatus* Distant, *Fauna Br. India, Heteroptera*, II: 82-83.

1988. *Metochus uniguttatus*: Mukhopadhaya, *Rec. Zool. Surv. India, Occ. Paper No. 107*:56.

Material examined: Bhopal, VVNP, Vihar Vithika, 14.x.2003, (ex 1), Coll. D. K. Nema.

Distribution: India: Madhya Pradesh, Assam and Karnataka. *Elsewhere:* Myanmar, Sri Lanka.

SUPERFAMILY: PYRRHOCOROIDEA

FAMILY: LARGIDAE

14. *Physopelta gutta* (Burmeister, 1834)

1834. *Lygaeus (pyrrhocoris) gutta* Burmeister, *Nova Acta Acad. Leop. Carol.* XVI, suppl., 424 Pl. XLI, Fig.10.

1902. *Physopelta gutta* Distant *Fauna Brit India* II: 97

1927. *Physopelta gutta* Tacuber, *konowia* VI: 174

Material examined: Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party

Distribution: India: Madhya Pradesh, Assam and West Bengal. *Elsewhere:* Australia, Borneo, Burma, Ceylon, China, Japan, Java, Philippines and Sumatra.

15. *Physopelta quadriguttata* Bergr., 1894

1894. *Physopelta quadriguttata* Bergr. *Rev. d'Et* xiii:160

1902. *Physopelta indra* Kirk. & Edw. *Ent. Zeit.*:165

1931. *Physopelta quadriguttata* Distant *Fauna Brit India* II: 97.

Material examined: Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party.

Distribution: Madhya Pradesh, Sikkim, Nagaland and West Bengal.

Elsewhere: China and Japan.

16. *Antilochus coqueberti* (Fabricius), 1803

1803. *Antilochus coqueberti* Fabricius, *Syst. Rhyng.*: 222.

1902. *Antilochus coqueberti* Fabricius, *Fauna Br. India*, II: 101.

Material examined: Bhopal, VVNP, Lion Spot, 16.x.2003 (1 ex.) Coll. Nema & Ahirwar.

Distribution: India: Madhya Pradesh, Kashmir, Assam, West Bengal and Andhra Pradesh. *Elsewhere:* Sri Lanka and Myanmar.

FAMILY: PHYRRHOCORIDAE

17. *Dysdercus koenigii* (Fabricius), 1775

1775. *Dysdercus cingulatus* Fabricius, *Syst. Ent.* : 719.

1902. *Dysdercus cingulatus* Distant, *Fauna Br. India*, II: 118.

1914. *Dysdercus koenigii* Bergroth, *Ent. Mitt.* III : 335.

1995. *Dysdercus koenigii*: Sen et al. *Fauna of West Bengal: State Fauna Series* 3(V):

Material examined: Bhopal, VVNP, Gate No. 1, 16.x.2003 (1 ex.) Coll. Nema & Ahirwar.

Distribution: India: Assam, Karnataka, Sikkim and West Bengal *Elsewhere:* Pakistan, Sri Lanka.

SUPERFAMILY: COREOIDEA

FAMILY: COREIDAE

18.

Notobitus meleagris (Fabricius), 1787

1787. *Cimex meleagris* Fabricius, *Mant.*, II : 297

1995. *Notobitus meleagris*: Basu & Mitra: *Fauna of West Bengal, State Fauna series*, III: 459. Zoological survey of India.

Material examined: Bhopal, VVNP, Vihar Vatika, 12.x.2003 (1 ex.), Coll. D. K. Nema & Ahirwar. Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party.

Distribution: India: Madhya Pradesh, Maharashtra and Meghalaya. *Elsewhere:* Burma, China.

19. *Elasmomia granulipes* (Westwood), 1842

1842. *Elasmomia granulipes* Westwood *in Hope Cat.* II: 11

1904. *Elasmomia granulipes*, Distant, *Fauna Br. India, Heteroptera*, I : 339

Material examined: Bhopal, Bishankhedi, 18.iv.2015, (1 ex), Coll. S. S. Talmale & Party.

Diagnostic characters: Apical joint of antennae excluding extreme base ochraceous; pronotum with lateral margins moderately reflexed and serrate, lateral angles horizontally produced with their apices subacute, posterior tibia moderately amplified, but neither dilated nor angulated.

Distribution: India: Madhya Pradesh, Sikkim and West Bengal.

20. *Serinetha abdominalis* (Fabricius), 1803
1803. *Serinetha abdominalis* Fabricius, *Syst. Rhyng.*: 226

1904. *Serinetha abdominalis* Distant, *Fauna Br. India, Rhynchota* I: 419.

Material examined: Bhopal, VVNP, Loin spot (Chouky), 15.x.2003; (2 ex) Coll. D. K. Nema. Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Sikkim, Maharashtra, Himachal Pradesh, Manipur, West Bengal and Assam. Elsewhere: Myanmar, Sri Lanka.

FAMILY: ALYDIDAE

21. *Riptortus fuscus* (Fabricius), 1798
1798. *Riptortus fuscus* Fabricius, *Ent. Syst. suppl.*: 539.

1902. *Riptortus fuscus* Distant, *Fauna Br. India*, I: 414.

1994. *Riptortus fuscus*: Basu and Mitra, *State Fauna Series3: Fauna of West Bengal*: 451.

Material examined: Bhopal, VVNP, Lion Spot, 16.x.2003 (1 ex.) Coll. Nema & Ahirwar, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party.

Distribution: India: Madhya Pradesh, Maharashtra, Karnataka and West Bengal. Elsewhere: Myanmar, Sri Lanka.

22. *Leptocoris varicornis* (Fabricius), 1803
1803. *Leptocoris varicornis* Fabricius, *Syst. Rhyng.*: 260.

1902. *Leptocoris varicornis* Distant, *Fauna Br. India* I: 409.

Material examined: Bhopal, Shivaniya, 23.iv.15, (1 ex.) Coll. S. S. Talmale & Party;

Bhopal, VVNP, Lion Spot, 15.x.2003 (1 ex.) Coll. Nema & Ahirwar.

Distribution: India: Madhya Pradesh, Assam, Kerala, Meghalaya, Nagaland, Sikkim and West Bengal. Elsewhere: China, Myanmar.

SUPERFAMILY: PENTATOMOIDEA FAMILY: PENTATOMIDAE

23. *Antestiopsis cruciata* (Fabricius, 1775)
1775. *Antestia cruciata* Fabricius, *Syst. Ent.*: 714

1902. *Antestia cruciata* Distant, *Fauna Br. India*, I: 185.

1995. *Antestia cruciata*: Ghosh et al., *State Fauna Series3: Fauna of West Bengal V*: 497.

Material examined: Bhopal, VVNP, Vihar Vatika, 12.x.2003 (1 ex.), Coll. D. K. Nema & Ahirwar. Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party; Bhoj Wet Land, Bairagarh, 25.ix.2005, (1 ex.), Coll. J. Thilak & Party.

Distribution: India: Madhya Pradesh, Maharashtra, Nilgiri hills, Sikkim and West Bengal. Elsewhere: Myanmar, Sri Lanka.

24. *Bagrada hilaris* (Burmeister, 1835)
1775. *Bagrada picta* Fabricius, *Syst. Ent.*: 715.

1902. *Bagrada picta* Distant, *Fauna Br. India*, I: 193.

Material examined: Bhopal, VVNP, Vihar Vithika, 14.x.2003, (ex 1), Coll. D. K. Nema.

Distribution: India: Madhya Pradesh, Maharashtra and West Bengal. Elsewhere: Sri Lanka.

25. *Canthecona furcellata* Wolff, 1851
1851. *Canthecona furcellata* Wolf, *Dall. List. Hem.* 1:91.

1904. *Canthecona furcellata* Distant, *Fauna. Brit. India*, I:248.

2010. *Canthecona furcellata*: Biswas and Bal, *Fauna of Uttarakhand: State Fauna Series18*: 237.

Material examined: Bhopal, VVNP, Vihar Vatika, 12.x.2003 (1 ex.), Coll. D. K. Nema & Ahirwar; Bhopal, Bhoj Wet Land,

Bairagarh, 25.ix.2005, (1 ex.), Coll. J. Thilak & Party.

Distribution: India: Madhya Pradesh, Jharkhand, Maharashtra, Tamil Nadu and West Bengal. *Elsewhere:* Sri Lanka, Myanmar.

26. *Erthesina fullo* (Thunberg, 1783)

1783. *Cimex fullo* Thunberg, *Nov. Ins. Spec.*: II:42

1904. *Erthesina fullo* Distant, *Fauna Brit.India*, I:177

1998. *Erthesina fullo* Chakroborty, S.P. & Ghosh, L. K., *State Fauna Series 4: Fauna of Meghalaya part-4*:403

Material examined: Bhopal, Gaura (Night coll.), 19.04.2015, (4 exs), Coll. S. S. Talmale & Party.

Distribution: India: Madhya Pradesh, Andaman Islands, Andhra Pradesh, Assam, Kerala and West Bengal. *Elsewhere:* Bangladesh, China, Japan and Sri Lanka.

27. *Halys dentatus* Fabricius, 1775

1775. *Halys dentatus* Fabricius, *Syst. Ent.*:702.

1904. *Halys dentatus* Fabricius, *Fauna Br. India*, I: 119.

2010. *Halys dentatus*: Biswas and Bal, *Fauna of Uttarakhand: State Fauna Series 18*: 232.

Material examined: Bhopal, VVNP, Vihar Vatika, 12.x.2003 (1 ex.), Coll. D. K. Nema & Ahirwar. Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party; Bairagrah, 25.ix.2005, (1 ex.), Coll. J. Thilak.

Distribution: India; Madhya Pradesh, Assam, Maharashtra, Sikkim and Uttar Pradesh. *Elsewhere:* Sri Lanka.

28. *Nezara viridula* (Linnaeus) 1758

1758. *Nezara viridula* Linnaeus, *Syst. Nat. ed. X*: 444.

1904. *Nezara viridula* Distant, *Fauna Br. India*, I: 220.

2010. *Nezara viridula*: Biswas and Bal, *Fauna of Uttarakhand: State Fauna Series 18*: 236.

Material examined: Bhopal, Bilkhedi-Bamhori, 22.04.2015, (1 exs), Coll. S. Sambath & Party.

Distribution: Throughout India.

29. *Plautia crossota* (Fabricius, 1787)

1787. *Plautia fimbriata* Fabricius, *Mant. Ins.* 295

1904. *Plautia fimbriata*, Distant, *Fauna Br. India*, I:191

1989. *Plautia fimbriata* Ghosh, Biswas, Chakaraborty and Sen, *Fauna of Orissa: State Fauna Series 1*: 205.

2002. *Plautia crossota*: Rider *et. al.*, *Zoosyst Rossica*, 2: 144.

Material examined: Bhopal, Bhoj Wet Land, Bairagarh, 25.ix.2005, (1 ex.), Coll. J. Thilak & Party.

Distribution: India: Madhya Pradesh, Assam, Maharashtra, Nagaland, Orissa, Sikkim, Tamil Nadu and West Bengal.

30. *Degonetus serratus* (Distant), 1904

1887. *Abeona serratus* Distant, *Tr. E.S.*: 350

2010. *Degonetus serratus* Biswas & Bal, *State Fauna Series*, 18: *Fauna of Uttrarakhand, part-2*: 335

Material examined: Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party; Bhoj Wet Land, Bairagarh, 25.ix.2005, (1 ex.), Coll. J. Thilak & Party.

Distribution: India: Madhya Pradesh, Maharashtra and Uttarakhand.

31. *Piezodorus rubrofasciatus* (Fabricius), 1904

1904. *Piezodorus rubrofasciatus* Distant, *Fauna Br. India*, I: 224.

1989. *Piezodorus rubrofasciatus* Fabricius, Ghosh *et al. Fauna of Orissa: State fauna series 1*:205

Material examined: Bhopal, VVNP, Loin spot (Chouky), 15.x.2003; (2 ex) Coll. D. K. Nema. Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Maharashtra, Assam, Orissa and West Bengal.

32. *Niphe subferruginea* (Westwood, 1837)
1837. *Pentatoma subferruginea* Westwood,
In Hope Cat. I: 35.

1902. *Niphe subferruginea*: Distant, *Fauna Brit. India, Rhynchota*, I:151.

Material examined: Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Kerala, Maharashtra and Meghalaya. *Elsewhere*: Myanmar.

33. *Placosternum dama* (Fabricius, 1794)

1794. *Cimex dama* Fabr., *Ent. Syst.*, 4: 92.

1902. *Placosternum dama* Distant, *Fauna Brit. India, Rhynchota*, I: 211.

Material examined: Bhopal, VVNP, Loin spot (Chouky), 15.x.2003; (2 ex) Coll. D. K. Nema. Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Assam, Kerala and Tamil Nadu.

34. *Placosternum taurus* (Fabricius), 1781

1781. *Placosternum taurus* Fabricius, *Spec. Ins.* II:344.

1902. *Placosternum taurus* Distant, *Fauna Brit. India, Rhynchota*, I: 210.

Material examined: Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party.

Distribution: India: Madhya Pradesh, Meghalaya, Tamil Nadu, Sikkim and Nagaland. *Elsewhere*: Myanmar.

35. *Eysarcocoris montivagus* (Distant, 1902)

1902. *Eysarcocoris montivagus* Distant, *Fauna Brit. India, Rhynchota*, I: 166.

1999. *Eysarcocoris montivagus*: Chakraborty & Ghosh, *Fauna of Meghalaya: State Fauna Series* No. IV:402.

Material examined: Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Assam, Meghalaya, Nagaland, Sikkim, Uttar Pradesh.

36. *Dorpius indicus* Distant, 1900

1900. *Dorpius indicus* Distant, *Tr. E.S.* II (4):165.

1902. *Dorpius indicus* Distant, *Fauna Brit. India, Rhynchota*, I: 129.

Material examined: Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Delhi, Punjab and West Bengal. *Elsewhere*: Pakistan.

37. *Halyomorpha picus* (Fabricius, 1784)

1784. *Halyomorpha picus* Fabricius, *Ent. Syst.* IV:115.

1902. *Halyomorpha picus* Distant, *Fauna Brit. India, Rhynchota*, I: 152.

Material examined: Bhopal, Bilkhedi-Bamhori, 07.xi.16, (1 ex.), Bhoj Wet Land Coll. Dr. S. Sambath & Party.

Distribution: India: Madhya Pradesh, Assam, Maharashtra, Sikkim, Uttar Pradesh and West Bengal. *Elsewhere*: Australasia, Japan, Malay Peninsula, Myanmar, Sri Lanka.

FAMILY: CYDNIDAE

38. *Aethus indicus* (Westwood, 1837)

1803. *Cydnus indicus* Westwood, *Syst. Rhyn.*: 184.

1994. *Cydnus indicus* Chakraborty et al., *State Fauna Series, Fauna of West Bengal*, 5: 489.

1851. *Aethus indicus* Dallas,: 114

Material examined: Bhopal, Bairagarh, 24.ix.2006, (ex 1), Bhoj Wet Land, Coll. J. Thilak & Party, Bhopal, Geragaon, Bhoj wetland, 05.xi.2016, (ex 1), Coll. S. Sambath & Party.

Distribution: India; Madhya Pradesh, Maharashtra and West Bengal. *Elsewhere*: Bangladesh, Burma, Cambodia, Indonesia, Laos, Nepal, Pakistan, Sri Lanka and Thailand.

39. *Byrsinus varians* (Fabricius, 1803)

1803. *Cydnus varians* Fabricius, *Syst. Rhyng.*:187.

1902. *Cydnus varians* Distant, *Fauna Brit. India, Rhynchota*, I: 92.

1993. *Byrsinus varians*: Lis,: 92.

Material examined: Bhopal, Bairagarh, 24.ix.2006, (ex 1), Bhoj Wet Land, Coll. J. Thilak & Party.

Distribution: India; Madhya Pradesh, Maharashtra and West Bengal. *Elsewhere:* Sri Lanka, Thailand, China, Bangladesh, Japan, Korea, Malaysia and Myanmar.

FAMILY: DINIDORIDAE

40. *Coridius ianus* (Fabricius), 1775

1775. *Aspongopus janus* Fabricius, *Syst. Ent.*: 714.

1902. *Aspongopus janus* Distant, *Fauna Br. India*, I: 281.

1992. *Coridius ianus*: Lis, *Ann. Upper Silesian Mus. Ent.*, III: 38.

Material examined: Bhopal, Gaura, (4 ex), 22.iv.2015, Coll. S. S. Talmale & Party.

Distribution: India: Madhya Pradesh, Maharashtra, Karnataka, Tamil Nadu and West Bengal. *Elsewhere:* Myanmar, Sri Lanka.

41. *Cyclopelta siccifolia* (Westwood), 1837

1837. *Cyclopelta siccifolia* Westwood in *Hope cat. i*, p. 26

1854. *Cyclopelta tartarea* Stal, *vet. Ak.Eorh*, p. 234.

Material examined: Bhopal, Gaura, (24 ex), 22.iv.2015, Coll. S. S. Talmale & Party.

Diagnostic characters:

Distribution: Andhra Pradesh, Assam, Madhya Pradesh, Maharashtra, Sikkim, West Bengal, *Elsewhere:* Myanmar and Sri Lanka.

FAMILY: SCUTELLERIDAE

42. *Chrysocoris stollii* (Wolff., 1801)

1801. *Cimex stollii* Wolff., *Ic.*, II: 48, 45.

1902. *Chrysocoris stollii* Distant, *Fauna Brit. India, Rhynchota*, I: 58

Material examined: Bhopal, Bilkhedi-Bamhori, (2 ex), 07.xi.2016, Coll. S. Sambath & party.

Distribution: India: Madhya Pradesh, Andaman & Nicobar islands, Assam, Delhi, Meghalaya, Nagaland, Sikkim and West Bengal. *Elsewhere:* China, Pakistan and Myanmar.

Conclusion: The present paper deals with an account of Hemipteran bugs of Veerangana Durgavati Wildlife Sanctuary Madhya Pradesh. Total 136 specimens are collected in which 42 species were identified under 11 families. Suborder Homoptera is represented by 1 species and sub order Heteroptera is represented by 41 species.

Acknowledgments: The authors are thankful to officer in charges of Zoological Survey of India Jabalpur, and Hyderabad, Administrative authority of Bhoj wetland and Van Vihar National Park Bhopal for providing necessary facilities and encouragement.

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