



Short Communication

FIRST RECORD OF THE GENUS *COELEUMENES* VAN DER VECHT FROM PENINSULAR INDIA WITH THE SPECIES *C. BURMANICUS* (BINGHAM) FROM KERALA (HYMENOPTERA: VESPIDAE: EUMENINAE)

INTRODUCTION

Van der Vecht (1963) described the genus *Coeleumenes* based on the type species *Montezumia impavida* Bingham, 1897. It is an Oriental genus of potter wasps (Vespidae: Eumeninae) known by ten species with one additional subspecies worldwide of which four species are recorded from the Indian subcontinent and two species from India. In India, this genus is so far recorded from the north-east parts of the country (Meghalaya, Nagaland and Sikkim). In this paper, we are reporting this genus from Peninsular India for the first time with the species *C. burmanicus* (Bingham, 1897) recorded from Thattekkad Bird Sanctuary, Kerala. A world checklist of the species of this genus is also provided.

MATERIAL AND METHODS

The specimen of the present study is collected from a dense evergreen forest patch of Thattekkad Bird Sanctuary, Kerala, India, with a round insect net. It is examined under LEICA M60 stereozoom microscope and images captured with the camera model LEICA DFC-450. The studied specimen is added to the 'National Zoological Collections' of the Western Ghat Regional Centre, Zoological Survey of India, Kozhikode (= Calicut), India (ZSIK). Two further specimens from Sikkim deposited in the National Zoological Collections

of Zoological Survey of India, Kolkata (NZC) are also examined here.

Abbreviations used for the Museums: BMNH — British Museum (Natural History), London, England; NZC — Zoological Survey of India, Kolkata, India; OUM — Oxford University Museum, Oxford, U.K.; ZSIK — Western Ghat Regional Centre, Zoological Survey of India, Kozhikode (= Calicut), India.

Abbreviations used for the terms: H = Head; M = Mesosoma; S = Metasomal sterna; T = Metasomal terga.

RESULTS

1. *Coeleumenes burmanicus* (Bingham, 1897)
(Figs. 1–6)



Fig. 1. *Coeleumenes burmanicus* (Bingham, 1897)
Female. Body Profile

1897. *Montezumia burmanica* Bingham : 350, fig. 101, female, male - "Tenasserim" (BMNH). - Dalla Torre, 1904: 28 (cat.). - Meade-Waldo, 1910: 47 (syn.: *M. bisulcata* Cameron, 1900). - Bequaert, 1921: 248 (in subgenus *Pseudozumia*; cat.). - Dover and Rao, 1922: 239 (Sikkim). - Dover, 1931: 254 (Sikkim; Assam: Khasi Hills and Shillong [now in Meghalaya]; Tenasserim). - Liu, 1936: 103 (cat.).



Fig. 2. *Coeleumenes burmanica* (Bingham, 1897)
Female. Head frontal view

1900. *Montezumia bisulcata* Cameron : 535, female - "Khasi Hills, Assam" [now in Meghalaya] (OUM). - Dalla Torre, 1904: 27 (cat.). - Meade-Waldo, 1910: 47 (syn. of *M. burmanica* Bingham).
1931. *Montezumia burmanica* var. *malayana* Dover : 253, female - "Jor Camp, Perak, Malaya" (? BMNH).
1941. *Pseudozumia burmanica*; Giordani Soika : 165 (key), 168, fig. 8 (1, 2, 7) (syn.: ? *M. thoracica* Sonan, 1939).
1963. *Coeleumenes burmanica*; van der Vecht : 46 (notes; syn.: *malayana* Dover; Sikkim; Assam: Khasi Hills [now in Meghalaya]; Naga Hills [now in Nagaland]; Indo-China; Siam; Malaya). - Gusenleitner, 2011: 1363 (Laos).



Fig. 3. *Coeleumenes burmanica* (Bingham, 1897)
Female. Head and mesosoma dorsal view



Fig. 4. *Coeleumenes burmanica* (Bingham, 1897)
Female. Metanotum and propodeum



Fig. 5. *Coeleumenes burmanica* (Bingham, 1897)
Female. Metasoma dorsal view



Fig. 6. *Coeleumenes burmanica* (Bingham, 1897)
Female. First metasomal sternum

Diagnosis: Female: S1 smooth basally and transversely striate posteriorly; prescutal grooves on mesoscutum weak, faint; T1 without transverse carina basally; mesepisternum with epicnemial

carina; propodeum dorsally with elongate fovea from which carina runs to orifice; propodeal orifice rounded dorsally; propodeum dorsally with dense, fine rugose punctures except near median furrow and at apex rather dull; mesepisternum coarsely, reticulately punctate; axillary fossa narrower than long, slit-like; tegula with narrow posterior lobe which about equals parategula posteriorly; midtibia with one spur.

Colour: Female: Body black with following whitish yellow markings: a spot at base of mandible; an elongated and a somewhat oval mark on inter antennal space; a small mark behind the eye; lower side of scape; a abbreviated narrow interrupted line on pronotum; parategula; a medially interrupted narrow transverse line at apex of T1; a transverse line at the apex of T2 which narrowed broadly on each side; a line on fore tibia above.

Size (H+M+T1+T2): Female: 13 mm.

Material examined: INDIA: Kerala, Ernakulum district, Thattekkad Bird Sanctuary, Kolumba, 1 ♀, 27.x.2015, Coll. K. G. Emiliyamma & Party, Regd. No. ZSI/WGRS/I.R-INV.4976; Sikkim, 2 ♀, exact locality and name of collector unknown, May 1912 (NZC).

Distribution: India: Kerala (new record), Meghalaya, Nagaland, Sikkim; Myanmar; Thailand; Laos; Vietnam; Malaysia.

Checklist of world species of *Coeleumenes* van der Vecht, 1963

1. *C. burmanicus* (Bingham, 1897) — India: Kerala (**new record**), Meghalaya, Nagaland, Sikkim; Myanmar; Thailand; Laos; Vietnam; Malaysia.
- 2a. *C. impavidus conformis* van der Vecht, 1963 — Indonesia: Java.

2b. *C. impavidus impavidus* (Bingham, 1897) — India: Nagaland [“Assam: Naga Hills”], Sikkim, West Bengal; Sri Lanka; Myanmar; Thailand; Malaysia; Singapore; Indonesia: Kalimantan.

3. *C. indianus* (de Saussure, 1855) — Myanmar.
4. *C. multicolor* (Giordani Soika, 1935) — Indonesia: Sumbawa, Sumba.
5. *C. ruficrus* van der Vecht, 1963 — Indonesia: Ambon.
6. *C. rufipetiolatus* (Wickwar, 1908) — Sri Lanka.
7. *C. secundus* (Dalla Torre, 1889) — Indonesia: Moluccas.
8. *C. thoracicus* (Sonan, 1939) — Taiwan.
9. *C. timorensis* van der Vecht, 1963 — Indonesia: Timor.
10. *C. vindex* (Smith, 1859) — Indonesia: Sulawesi.

SUMMARY

The genus *Coeleumenes* van der Vecht, 1963, is reported here from Peninsular India for the first time with the species *C. burmanicus* (Bingham, 1897) from Thattekkad Bird Sanctuary, Kerala. A world checklist of the species of this genus is also provided.

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P. GIRISH KUMAR, P.M. SURESHAN AND K.G. EMILIYAMMA
Western Ghat Regional Centre, Zoological Survey of India, Kozhikode,
Kerala-673 006, India.
E-mail: kpgiris@gmail.com