

First report of *Olenecamptus signaticollis* Heller 1926 (Coleoptera: Cerambycidae: Lamiinae) from Maharashtra

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Abstract

The rare species *Olenecamptus signaticollis* is the member of long horned beetles of the family Cerambycidae and subfamily Lamiinae. It is somewhat found in Southern India especially. The present study focuses on the new locality of this species in India.

Keywords: *Olenecamptus signaticollis*, Lamiinae, Cerambycidae, Maharashtra, India

INTRODUCTION

The family Cerambycidae is one of the very important and interesting groups of the class Insecta, and they have widely occupied all the parts of the World. The genus *Olenecamptus* was first introduced by Chevrolat in 1835 and later the species *Olenecamptus signaticollis* was first described by Heller in 1926, from Madras. Beeson (1941) observed six species of *Olenecamptus*, consisting with *Olenecamptus signaticollis* from different parts of British India with their life cycle and host plants. Recently, according to Ghate and Sen (2006), this species was first time reported from Kerala, with some additional morphological characteristics, genitalia study and colored pictures. The subfamily Lamiinae and its standard keys and literature is not properly developed in India; because important work on the family of Cerambycidae

and its identification keys and diagnostic characteristics was developed by Gahan (1906) without the subfamily of Lamiinae, but some scattered information is available in various research articles. Most of the long horned beetles are attracted towards the light, especially subfamily Lamiinae. During the present collection of my study, the rare species *Olenecamptus signaticollis* is found in Chandgad, unexpectedly with the help of light source while I was working in R. B. M. Mahavidyalya Chandgad.

MATERIALS AND METHODS:

The long horned beetle *Olenecamptus signaticollis* was collected from the light source with the help of the hand picking method. The photography of this species was taken by Canon 1300 D Camera with 18-55 lenses. The identification of this species was confirmed by research article Ghate and Sen (2006) and its photographs are available on the internet.

RESULTS AND DISCUSSIONS:

Systematic account:

Class: Insecta

Order: Coleoptera

Family: Cerambycidae

Subfamily: Lamiinae Latreille, 1825

Tribe: Dorcaschematini Thomson, 1860

Genus: *Olenecamptus* Chevrolat, 1835

MATERIAL EXAMINED: CHAN/2016, male, 17.x.2016, light source, R. B. M. Mahavidyalya Chandgad, Maharashtra, India, Coll. S. V. More. Department of Zoology, R. B. M. Mahavidyalya Chandgad.

***Olenecamptus signaticollis* Heller, 1926**

Diagnostic Character:

It is a medium sized beetle, slender, grayish -brown; with antennae slender, longer than body, yellow brown in color, first four segments dark with golden yellow pubescence, apices of the terminal few segments small with black sparse pubescence, segment first a little broad, with 1.5 mm in length, segment second is longer than all antennomers, with 7.3 mm in length, apices of the terminal five segments of antennae are about equal in length; pronotum elongate, yellow brown in colour, with white pubescence; prothorax yellowish brown, with many transverse wrinkles on disc; elytra elongate, yellowish brown, clothed with tan pubescence and large white spots,

two medium large oval white spots near the base and apex on the elytra, apical region of elytra angulate, with blunt marginal tubercle; scutellum semicircular; ventral surface of the body is covered with a golden yellow pubescence; legs yellowish and slender, tarsi brownish yellow, with brownish pubescence, tarsal claws brownish to black.

Length: 16.35 mm

Breadth: 3.9 mm

Distribution: Southern India (Madras, Kerala), Maharashtra. Elsewhere: Myanmar

Olenecamptus signaticollis (Photo plate)



Dorsal view



White spots



Lateral view of head



Ventral view



Lateral view



Upper surface of head

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