



Short Communication

The genus *Craspedophorus* Hope, 1838 (Coleoptera: Carabidae: Panagaeinae) from Maharashtra, with a new state record

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Abstract

The genus *Craspedophorus* Hope, 1838 (Coleoptera: Carabidae: Panagaeinae) from Maharashtra, was studied from the collections of Western Regional Centre, Zoological Survey of India, Pune. The occurrence of the species *C. angulatus* (Fabricius, 1781) collected from different localities of Pune constitutes the new record from Maharashtra state. The distributional details of the other species recorded from Maharashtra were also provided.

Keywords: *Craspedophorus*, Distribution, New Record, Maharashtra

Introduction

Craspedophorus Hope, 1838 is a speciose genus widespread from Africa to Australia, characterized by pronotum, elytra and elytral maculae, and shape of labrum, chaetotaxy of labrum and labials, shape of mandibles and terminal labial palpomere, and shape and structure of male genitalia (Fedorenko, 2016). The genus *Craspedophorus* represents 182 species from world, whereas, in India, only 15 species are reported with four of them recorded from Maharashtra namely *C. maharashtraensis* Kirschenofer, 2011, *C. mandarinellus* Bates, 1892, *C. crecus* (MacLeay, 1825), *C. hilaris* (La Ferté-Sénéctere, 1851) till date (Hackel and Kirschenhofer, 2014; Fedorenko, 2016; Anichtchenko *et al.*, 2016).

While studying Carabidae Collections deposited in the National Zoological Collections, of Zoological Survey of India (ZSI), Western Regional Centre, Pune, the occurrence of the species *C. angulatus* (Fabricius, 1781), collected from different localities of district Pune constitutes the new state record from Maharashtra.

Material and Methods

The present study is based on the specimens collected by various survey parties of Western Regional Centre, Zoological Survey of India, Pune in different localities

of Pune district. The collected specimens were sorted out, set-pinned, labelled and identified by referring the important literature, like Andrewes (1919, 1921, 1924, 1927, 1929, and 1933), Hackel and Kirschenhofer (2014), and Fedorenko (2016). The photographs of male and female *C. angulatus* are provided. The distributional details of the other species recorded from Maharashtra were also provided.

Systematic Account

Order COLEOPTERA
Suborder ADEPHAGA
Family CARABIDAE
Subfamily PANAGAEINAE
Tribe Panagaeini
Genus *Craspedophorus* Hope, 1838

1. *Craspedophorus cereus* (MacLeay, 1825)

Distribution: India: Andaman and Nicobar Island, and Maharashtra (Mumbai, Pune). *Elsewhere:* China, Japan, Philippines, Senegal, Vietnam, Cambodia and Indonesia (Java).

2. *Craspedophorus hilaris* (La Ferté-Sénéctere, 1851)

Distribution: India: Maharashtra (Pune) (Hackel and Kirschenhofer, 2014).

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3. *Craspedophorus maharashtraensis* (Kirschenhofer, 2011)

Distribution: India: Maharashtra (Satara-Panchgani) (Häckel and Kirschenhofer, 2014).

4. *Craspedophorus angulatus* (Fabricius, 1781) (Figures, 1, 2)

Material examined: India: Maharashtra-Pune, 1♂, 1♀, Dehu road, coll. B.S. Lamba, 19.vii.1966, Reg. no. Ent-1/2170; 1♂, Katraj, coll. K.R. Rao, 22.vii.1968, Reg. no Ent-1/2171 and 1♀, Pirangut, coll. M. M. Chattarjee, 18.vi.1970, Reg. no. Ent-1/2172.



Diagnostic characters: Size: male-19.41 mm and female-22.14 mm.

Pronotum almost twice wider than head, lateral rim of pronotum near base very narrow and strongly emarginate, toward mid length not elevated, hind angles obtuse. Black coloured, weakly glossy, elytron with two orange-yellow maculae. Elytron with borders of apical macula unevenly serrate, on 3rd to 6th intervals reaching much farther from apex than on 7th and 8th intervals (so creating perception of two separate maculae). Elytra covered by long setae yellow on maculae and black elsewhere. Males of this species distinctly smaller than females. Size varies from 18-25 mm (Häckel and Kirschenhofer, 2014).

Distribution: India: Tamil Nadu, Pondicherry, Karnataka, Andhra Pradesh, Maharashtra (Pune) (Häckel and Kirschenhofer, 2014). *Elsewhere:* Bangladesh, Myanmar, and China.

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