

# A new species of subfamily Acaenitinae (Hymenoptera: Ichneumonidae)

Gyu Won Kang<sup>p1</sup> and Jin Kyung Choi<sup>c2</sup>

<sup>1</sup>Insect Inquiry Education Institute, Daegu National University of Education, Daegu 42411, South Korea

<sup>2</sup>Department of Science Education, Daegu National University of Education, Daegu 42411, South Korea



## Abstract

The subfamily Acaenitinae are moderately sized group of the family Ichneumonidae, including 280 species in 28 genera worldwide. Among them 16 species have been recorded from South Korea. This group is known as koinobiont endoparasitoids of larvae and pupae of longhorn beetles (especially Cerambycidae). One of the small genus of Acaenitinae, *Asperpunctatus* Wang, comprises only two described species from Oriental region. This genus can be distinguished by follow: complete occipital carina, clypeus without subapical transverse carina, prepectal carina reaching the lower middle hollow of the hind margin of pronotum, apex of propodeum clearly projected backwards and with a strong and short longitudinal carina.

In this study, we report a new species of the genus *Asperpunctatus*. This genus also newly recorded from South Korea for the first time. Our new species easily distinguished from other two species with entirely yellow body color and clear face and ridge of propodeum. Photographs and diagnosis of new species are provided.

## Results

Family Ichneumonidae 맵시벌과

Subfamily Acaenitinae 곤봉납작맵시벌아과

Genus *Asperpunctatus* 거친곤봉납작맵시벌속 (신칭)

*Asperpunctatus* Wang, 1989: 357. Type species: *Asperpunctatus nigrus*

**Diagnosis** occipital carina complete, clypeus without subapical transverse carina, prepectal carina reaching the lower middle hollow of the hind margin of pronotum, apex of propodeum clearly projected backwards and with a strong and short longitudinal carina.

### Key to the genus *Asperpunctatus*

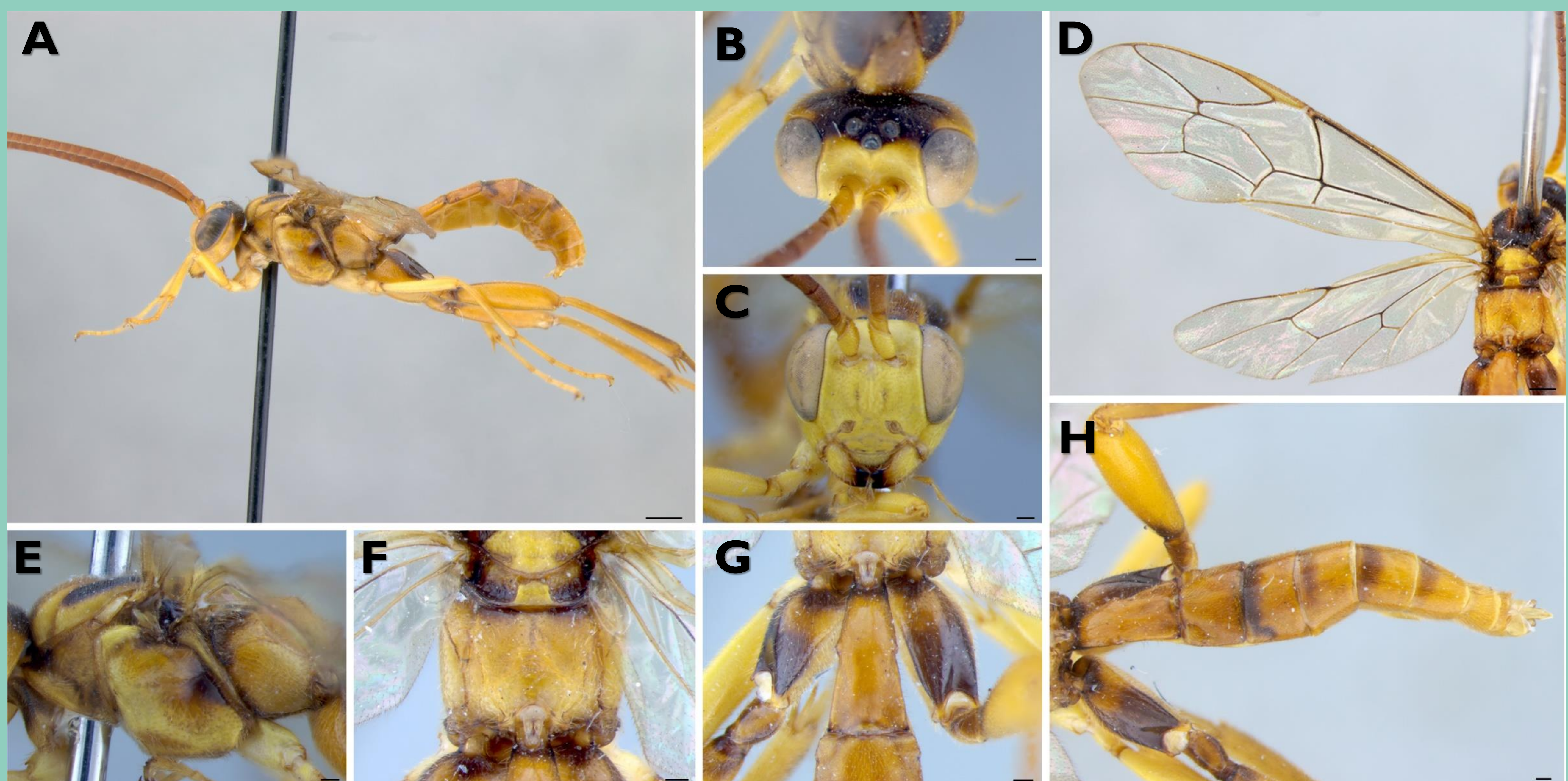
1. Body entirely yellow with black spots ..... *A. rufus* sp. nov.  
- Body entirely black or with 2-4 tergites red with blackish red apically. .... 2
2. Propodeum with only short lateromedian longitudinal carina basally and only one longitudinal carina apically. First tergite 1.8-1.9 times as long as apical width, its spiracle weakly projected. .... *A. nigrus*  
- Propodeum with regular lateromedian longitudinal carina and between carinae with weak wrinkles. First tergite 2.1 times as long as apical width, its spiracle strongly projected. .... *A. pracerspiraculus*

*Asperpunctatus rufus* sp. nov.

붉은거친곤봉납작맵시벌 (신칭)

**Diagnosis.** Body entirely yellow with black spots. Occiput black dorsally. Mesosoma yellow with black spots, its diverse. Hind coxa yellow with black dorsally. Metasoma yellow with black apical margin of each tergites. Occipital carina complete. Clypeus without subapical transverse carina. Prepectal carina reaching lower middle hollow of the hind margin of pronotum. Propodeum strongly projected toward apically with strong and short longitudinal carina.

**Holotype.** female, GG, Gapyeong-gun Cheongpyeong-myeon Mt. Homyeongsan, 26.vi-16.vii.2009, JO Lim. Paratypes. 1 female, GG, Gapyeong-gun Cheongpyeong-myeon Mt. Homyeongsan, 26.vi-16.vii.2009, JO Lim; GW, Hongchun-gun Nae-myeon Gachilbong, 1 male, 25.v.1996, M.S. Kim, K.H. Lee and H.W. Ryu; GG, Yangpyeong-gun Mt. Yongmunsan, 1 male, 27.ix.1986, E.K. Kim; Seoul, Dobong-gu Mt. Dobongsan, 1 male, 20.ix.1992, H.G. Oh.



**Figure.** *Asperpunctatus rufus* sp. nov.. A, habitus; B, Head in dorsal view; C, Head in frontal view; D, Wings; E, Mesosoma in lateral view; F, Propodeum; G, first tergite; H, Metasoma in dorsal view.

