

Supplementary Material for SERGUEI V. TRIAPITSYN, CHRISTINA D. HODDLE, MOHAMMAD HAYAT AND MARK S. HODDLE—Taxonomic Notes on *Psyllaphycus diaphorinae* (Hymenoptera: Encyrtidae) and its Host Associations in Pakistan Florida Entomologist 96(1) (March, 2013) at <http://purl.fcla.edu/fcla/entomologist/browse>

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SUMMARY

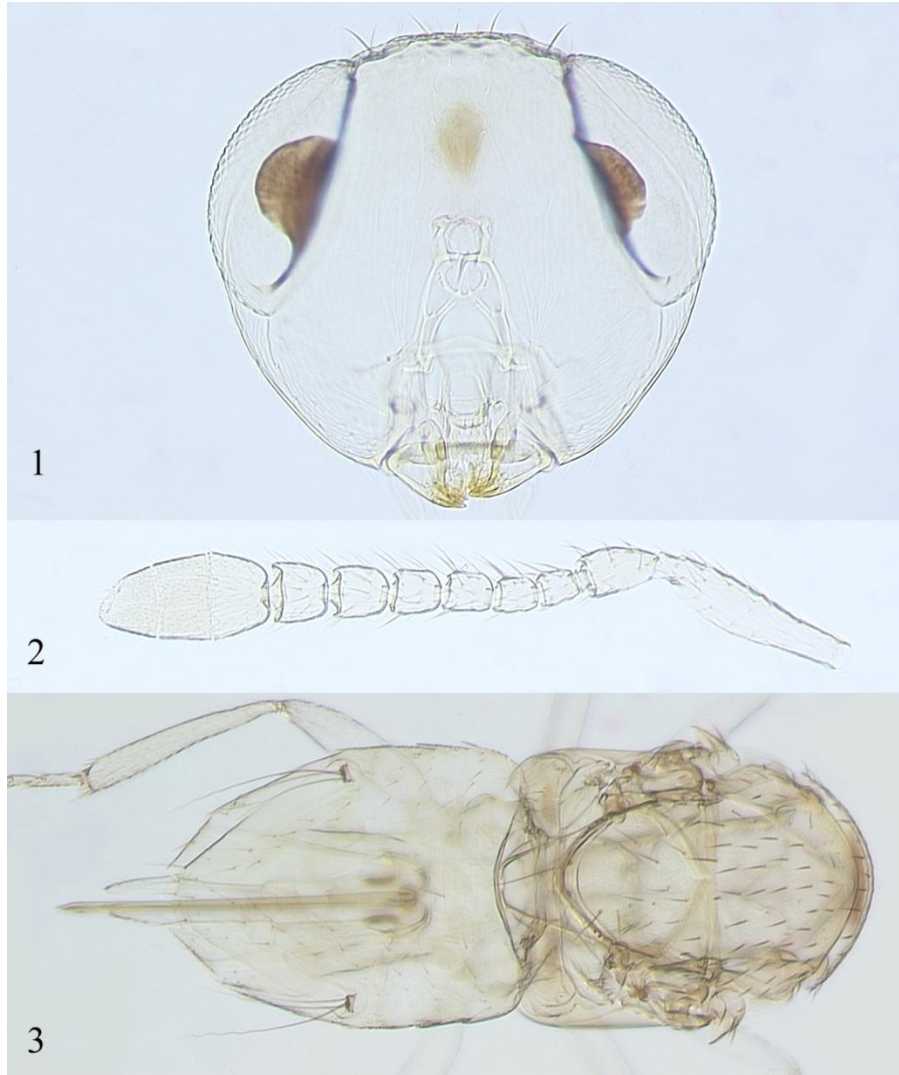
The encyrtid wasp, *Psyllaphycus diaphorinae* Hayat, was reared from nymphs of Asian citrus psyllid, *Diaphorina citri* Kuwayama, on *Citrus* spp. and *Murraya* sp. collected in Faisalabad, Punjab, Pakistan. This discovery is a new host record for *P. diaphorinae*, which previously had been known only from India from a different, congeneric host. Taxonomic notes on this little known species are given, illustrations of both sexes are provided, and its potential as a prospective classical biological control agent against *D. citri* is discussed. A correction to the diagnosis of the genus *Psyllaphycus* Hayat is made: both sexes have the mandible with 2 teeth and a wide truncation.

Key Words: congeneric host, *Diaphorina citri*, *Citrus*, *Murraya*, diagnosis

RESUMEN

Un parasitoide encártido, *Psyllaphycus diaphorinae* Hayat, fue criada de ninfas del psílido asiático de los cítricos, *Diaphorina citri* Kuwayama, recolectados sobre *Citrus* spp. y *Murraya* sp. en Faisalabad, Punjab, Pakistán. Este descubrimiento es un registro nuevo de insecto hospedero para *P. diaphorinae*, que antes se conocía en India sólo sobre un hospedero congénico. Se proveen notas taxonómicas sobre esta especie poco conocida, ilustraciones de ambos sexos y se comenta sobre su potencial como un agente de control biológico clásico de *D. citri*. Se hace una corrección en el diagnóstico de género *Psyllaphycus* Hayat: ambos sexos tienen la mandíbula con 2 dientes y un truncamiento ancho.

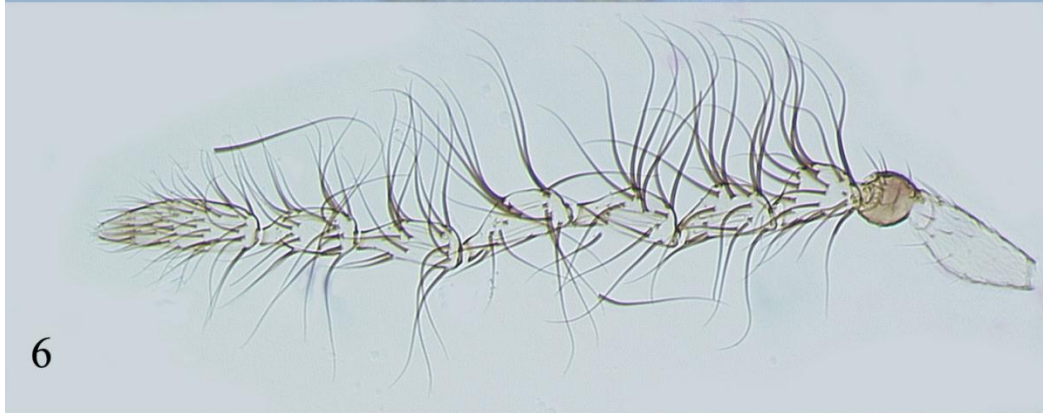
Palabras Clave: hospedero congénico, *Diaphorina citri*, *Citrus*, *Murraya*, diagnosis



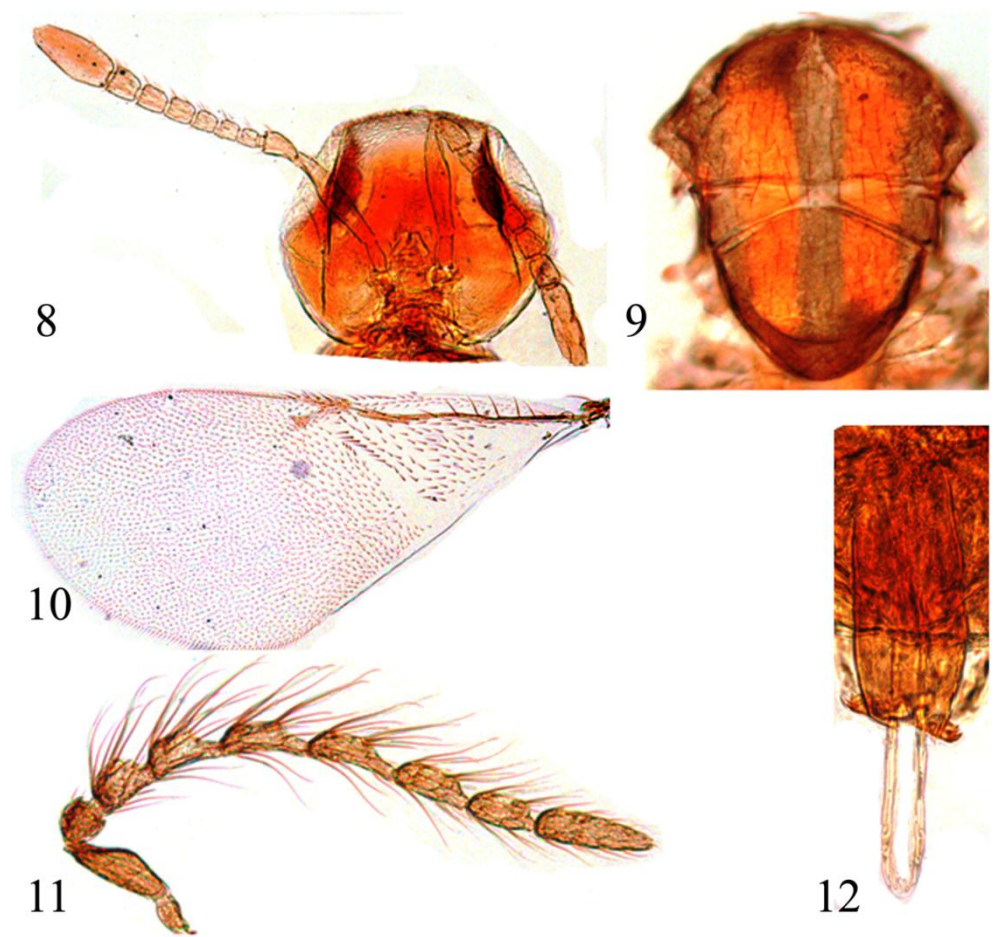
Figs. 1-4. *Psyllaphycus diaphorinae* female (Faisalabad, Punjab, Pakistan): 1) head, frontal view; 2) antenna; 3) mesosoma and metasoma.



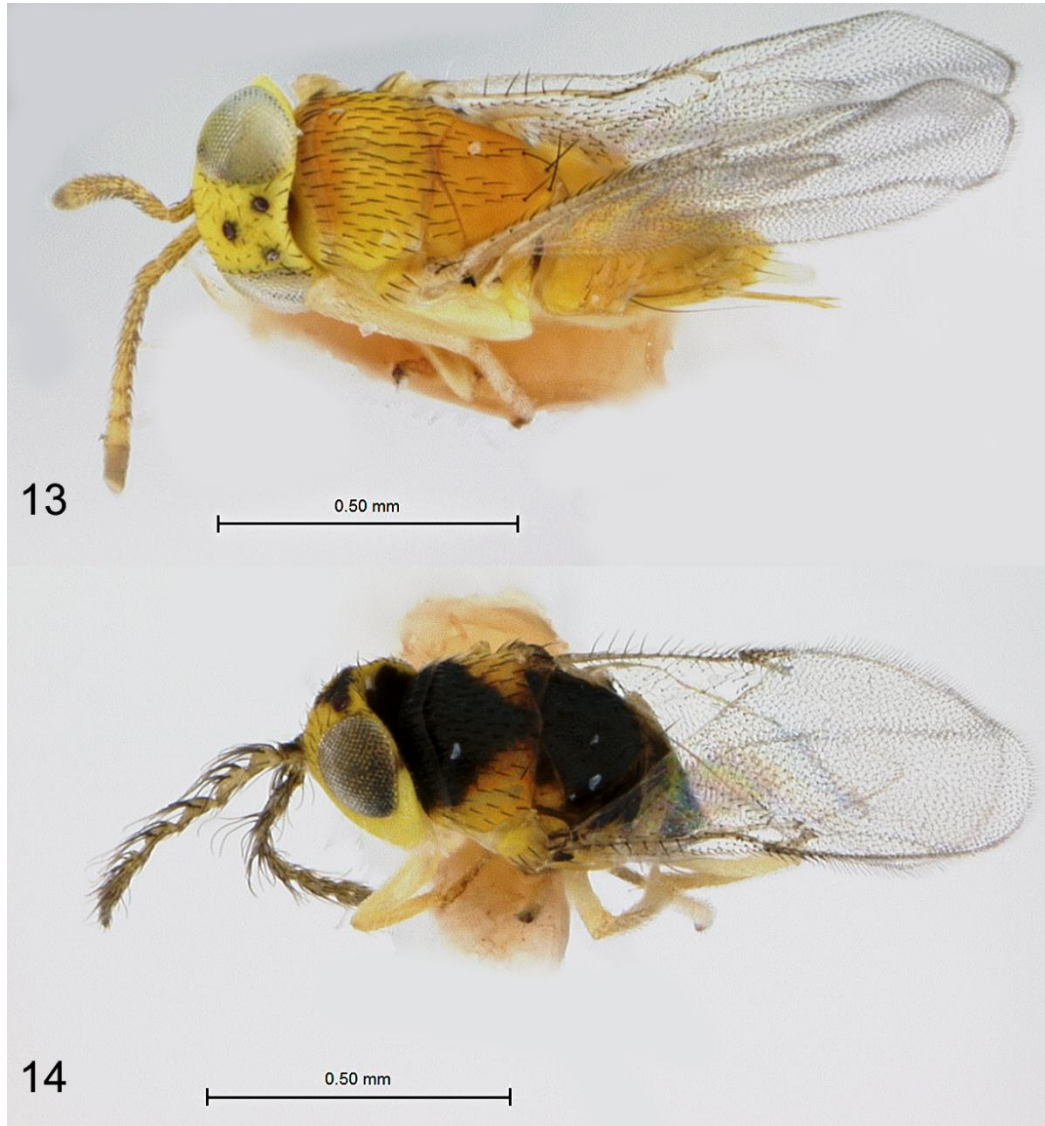
Fig. 4. *Psyllaphycus diaphorinae* female (Faisalabad, Punjab, Pakistan): fore and hind wings.



Figs 5-7. *Psyllaphycus diaphorinae* male (Faisalabad, Punjab, Pakistan): 5) mandibles; 6) antenna; 7) genitalia.



Figs 8-12. *Psyllaphycus diaphorinae* (paratypes, Manmad, Maharashtra, India): 8) female head and antenna; 9) female mesoscutum and scutellum; 10) female fore wing; 11) male antenna; 12) male genitalia.



Figs. 13 and 14. *Psyllaphycus diaphorinae* (Faisalabad, Punjab, Pakistan), habitus: 13) female; 14) male.