

***Ceutholopha isidis* (Zeller, 1867), a New Phycitinae Record from Turkey (Lepidoptera: Pyraloidea)**

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ABSTRACT

Ceutholopha isidis (Zeller, 1867) is a new genus and species record for the Pyraloidea fauna of Turkey. Distribution, synonyms and host plants of the species are summarized. The adult male and the male genitalia are figured.

Key words: *Ceutholopha isidis*, Phycitinae, fauna, new record, Şanlıurfa, Turkey.

INTRODUCTION

Phycitinae is one of the most species-rich groups of snout moths (Pyraloidea), with currently over 3.100 species in more than 650 genera (Nuss *et al.*, 2003-2018 (The Pyraloid Planet Vol.11)). It is known with 303 species in Turkey (Koçak, 2014; Akın, 2016; Slamka and Plant, 2016; Kemal and Koçak, 2016; 2017a,b,c,d; Akın and Seven, 2017). Except for the northern and southern extremes, the group has a very wide spread on the earth (Solis and Mitter, 1992). Roesler (1973) subdivided Phycitinae into 4 tribus: Cryptoblabini, Phycitini, Cabniini and Anerastiini with Phycitini divided into two subtribus, Phycitina and Acrobasiina-a system that is largely still in use today (Nuss *et al.*, 2003-2018). All tribes except Cabniini comprise quadrifid and trifid groups, having vein m_3 reduced or veins m_2 and m_3 fused in the hindwing.

Ceutholopha isidis (Zeller, 1867) was described from Manfalut, Egypt, its synonyms from Algeria and Tunisia. With this study, it is aimed to contribute to the Pyraloidea fauna of Turkey.

MATERIAL AND METHODS

The specimens were collected in Ceylanpınar (Şanlıurfa province) using a 160 W mercury vapor lamp at a white sheet and a generator as an energy source. The male genital was prepared following Robinson (1976).

RESULTS

Ceutholopha isidis (Zeller, 1867), Fig. 1A

Nephoteryx [sic] (*Ceutholopha*) *isidis* Zeller, 1867: 464-465, pl. 24 fig. 6.

=*Phycita gilvibasella* Ragonot, 1888: 12. (Leraut, 2014)

=*Heterographis aequalisella* D. Lucas, 1948: 89. (Roesler, 1973)

=*Syria parallellineata* D. Lucas, 1950: 142. (Roesler, 1973)

Material examined: Turkey, Şanlıurfa Prov., Ceylanpınar: 2 ♂♂, Tigem, Akrepli management, 29.08.2008; 5 ♂♂, 3 ♀♀ TİGEM, 1 km west from Urfa Gate, 23.07.2008 (G. P. 258 K. A. (Figs. 1 B-D); 2 ♂♂, TİGEM, Gökçayır way 13 km, near Atatürk forest, 04.08.2008. Leg. K. Akın.

Host plants: *Acacia tortilis* (Forssk.) Hayne, *A. farnesiana* (L.) Willd., *A. nilotica* (L.) Delile (Fabaceae) and *Rhus oxyacantha* Aubrév. (Anacardiaceae) (Leraut, 2014; De Prins and De Prins, 2018).

Acacia farnesiana (called “tatlı akasya” in Turkish) is used as park and garden tree while *Rhus* genus is known with only one species, *R. coriaria* L. (called “sumak” in Turkish), in Turkey (Güner *et al.*, 2012).

Distribution: In Europe, *C. isidis* is recorded from Great Britain, France (Corsica) and Malta (Leraut, 2014), Portugal (Corley *et al.*, 2014), Spain (Revilla and Gaston, 2014) and Cyprus (Rebel, 1939). In the Palearctic east of Europe, the species is known to occur in Iran (Amsel, 1959), United Arab Emirates (De Prins and De Prins, 2018),

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Pakistan (Amsel, 1968) and Afghanistan (Amsel, 1970). On the African continent, *C. isidis* is recorded in the Morocco, Tunisia, Sub-Saharan Africa (Leraut, 2014), Algeria (Ragonot, 1888), Egypt (Zeller, 1867), Sudan (Amsel, 1965) and South Africa (Balinsky, 1991). Revilla and Gaston (2014) furthermore mention India, Sri Lanka and Kenya as distribution records.

As result of this study, *C. isidis* (Zeller, 1867) is recorded as new genus and new species for the Pyraloidea fauna of Turkey. The specimens were collected in the Ceylanpınar district (Şanlıurfa) in the southeast of Turkey near the Turkish-Syrian border, making it likely that this species is also present in Syria.

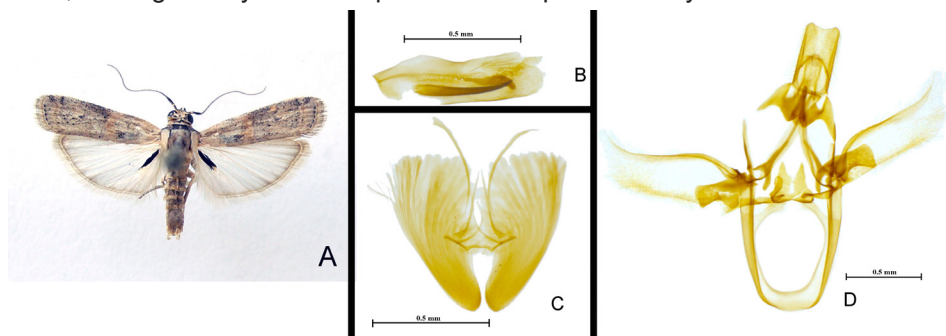


Fig.1. *Ceutholopha isidis* (Zeller, 1867), (A) Adult male, (B) Phallus, (C) Coremata, (D) Male genitalia armature.

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