NOTA / NOTE

First record of Trypanophora semihyalina Kollar, 1844 (Lepidoptera: Zygaenidae: Chalcosiinae) from Pakistan.

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Abstract: The species Trypanophora semihyalina Kollar, 1844 (Lepidoptera: Zygaenidae: Chalcosiinae) is recorded for Pakistan for the first time. Its geographic distribution is discussed and an illustration is also provided.

Key words: Lepidoptera, Zygaenidae, Chalcosiinae, Trypanophora semihyalina, new record, Pakistan.

Resumen: Primera cita de Trypanophora semihyalina Kollar, 1844 (Lepidoptera: Zygaenidae: Chalcosiinae) de Pakistán. Se cita la especie Trypanophora semihyalina Kollar, 1844 (Lepidoptera: Zygaenidae: Chalcosiinae) por primera vez para Pakistán. Se comenta su distribución geográfica y se aporta también una imagen.

Palabras clave: Lepidoptera, Zygaenidae, Chalcosiinae, Trypanophora semihyalina, nueva cita, Pakistán.

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The subfamily Chalcosiinae is one of the most striking and diverse subfamilies within the family Zygaenidae, consisting of nearly 400 species in 70 genera (Bryk 1936; Tremewan 1973; Fletcher & Nye 1982; Endo & Kishida 1999; Yen 2003a, b). The phylogenetic relationships and nomenclature of the subfamily have been studied and described by Yen (2004a, b) and Yen et al. (2006). The members of the subfamily exhibit highly mimetic patterns and have elaborate chemical defense systems and scent glands (Epstein et al., 1998). They are widely distributed, from the Mediterranean region of the Western Palaearctic, through the warmer parts of southern and eastern Asia, to New Guinea and neighbouring islands (Holloway 2011). However, despite this body of work, the study of the Chalcosiinae of Pakistan is so far still very inadequately known. Chaudhry et al. (1966) listed only one species, Praezygaena caschmirensis Kollar, [1844] (as Epizygaena cashmirensis) from Pakistan. Later, Hasmi & Tashfeen (1992) listed several species of Zygaenidae but did not record the species Trypanophora semihyalina Kollar, 1844, which is here recorded from Pakistan for the first time.

Trypanophora semihyalina was described by Kollar ([1844]) as being found "in regno Caschmir". Based on specimens in the collection of the BMNH, the nominotypical subspecies, Trypanophora semihyalina semihyalina, ranges from NW India (Ayarpatta, Barrackpore, Bhimtal, Dharmasala, Kangra, Scind Valley, Simla), through NE India (Calcutta, Darjeeling, Khase Hills, Sikkim) and NE Myanmar (East Pegu), to Sichuan in China (Siao Lou). It is also recorded from SW India (Karwar, North Kanara). The present specimen from Azad Kashmir in Pakistan represents an extension westwards of this known range. A second subspecies, Trypanophora semihyalina argyrospila Walker, 1964, is restricted to Hong Kong, China.

The specimen (Fig. 1) was collected in Kotli, Azad Kashmir, during the daytime in August, 2013, and was identified by Dr. Ian Kitching, using the moth collection of the Natural History Museum (BMNH), London, U.K.
References


Fig. 1.- Specimen of Trypanophora semihyalina Kollar (1844) collected in Kotli, Azad Kashmir, during the daytime in August, 2013.