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Short communication

Two new records of the subfamily Xoridinae (Hym.: Ichneumonidae) from Mazandaran province, Iran

The subfamily Xoridinae (Hym.: Ichneumonidae) comprises about 204 species in four genera (Yu et al., 2012). The genus Xorides Latreille, with 147 species, is the most diverse genus in this subfamily and divided into eight subgenera (Townes, 1969; Kasparyan, 1981; Yu et al., 2012). The members of this subfamily are known as larval parasitoids of the beetles of the families Anobiidae, Bustrichidae, Buprestidae, Cerambycidae (Kasparyan, 1981). Only the species Xorides (Gonophonus) coeyrens Kriechbaumer, reared from the Rosaceae twig borer, Osphrateria coeyrens Redtenbacher (Col.: Cerambycidae), has been recorded from Iran (Radjabi, 1991; Barahoei et al., 2012; Hooshyar et al., 2012; Mohammadi-Khoramabadi, 2013). Here, we record further two species of the subfamily Xoridinae from Iran. The specimens were collected using sweep net during 2011 and reared in 2014. They are deposited in the insect collection of the College of Agriculture and Natural Resources of Darab, affiliated to Shiraz University.

- Xorides (Gonophonus) coeyrens Kriechbaumer, 1894


Diagnosis – Metasoma completely black; antenna lacking white ring, pterostigma black, basally white (Kasparyan, 1981).

Distribution – Bulgaria, Czech Republic, Greece, Iran, Italy, Russia (Radjabi, 1991; Yu et al., 2012).

- Xorides (Xorides) Latreille, 1809

This subgenus is characterized by the following characters: vein 1cu-a in the forewing distad of the vein M + Rs (basal vein); areolet with vein 2rs-m strongly smaller than vein 2M; first metasomal tergite without a post median strong transverse reticulate-wrinkled groove or lateral groove; body not coarsely punctured; trochantellus of fore and mid legs without apical teeth; 4th segment of maxillary palpus shortened (Townes, 1969; Kasparyan, 1981).

- Xorides (Xorides) fuligator (Thunberg, 1824)

Material examined – IRAN, Mazandaran province: 1 ♀, 1 ♂, Nour, N 36°21′, E 52°06′, 692 m a.s.l., 23.vi.2011, sweeping.

Diagnosis – This species is distinguished from other related species by apically filiform antenna; lacking striate temple; red metasoma; basally swollen fore and mid tibiae, and depression in anterior half; and shiny hind coxa (Kasparyan, 1981).
**Distribution** – Austria, Belarus, Belgium, Bulgaria, former Czechoslovakia, Finland, France, Georgia, Germany, Hungary, Ireland, Italy, The Netherlands, Norway, Poland, Romania, Russia, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, former Yugoslavia (Yu et al., 2012). New to Iran.

- *Xorides (Xorides) gravenhorstii* (Curtis, 1831)

**Material examined** – IRAN, Mazandaran province: 1 ♀, Nour, N 36°21´, E 52°06´, 692 m a.s.l., 23.vi.2011, sweeping.

**Diagnosis** – This species can be separated from other species of the genus by apically distinct clavate antenna; densely striate temple and red metasoma (Kasparyan, 1981).

**Distribution** – Algeria, Austria, Azerbaijan, Belgium, Bulgaria, Cyprus, former Czechoslovakia, France, Georgia, Germany, Hungary, Italy, Lithuania, The Netherlands, Norway, Poland, Romania, Russia, Spain, Sweden, Switzerland, Turkey, United Kingdom, former Yugoslavia (Yu et al., 2012). New to Iran.

**References**


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