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Short communication

The first report of *Thrips praetermissus* (Thysanoptera: Thripidae) from Iran

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اولین گزارش (Thrips praetermissus (Thysanoptera: Thripidae از ایران

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چکیده

گونهٔ Thrips praetermissus Priesner برای نخستین بار از ایران گزارش می شود. نمونه های این گونه از روی گل های قاصد در منطقهٔ باجگاه، شیراز، استان فارس جمع آوری شدند. ویژگیهای ریختی همراه با شکلهای مربوطه ارایه شدهاند. این گونه شباهت زیادی با گونه *Thrips pillichi* Priesner دارد، اما با وجود موهای بلند روی پیشگُرده و ترژیت بند نهم از آن جدا میشود.

واژگان کلیدی: گزارش جدید، تریپس، فارس.

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In an online updated site (ThripsWiki, 2018) only 10 genera of the order Thysanoptera have more than 100 species of which the genus Thrips L. with 294 extant species is the largest one. Minaei et al., (2007) provided an information on four genera of Thrips genus-group in Iran. An illustrated key to 33 species of the genus has recently been prepared by Mirab-balou (2016a). A total of 34 species of the genus Thrips have hitherto been recorded from Iran (Mirab-balou, 2016b) and another species of the genus is here newly recorded and illustrated.

Thrips specimens discussed in this paper were macerated in 5% NaOH solution for 4-5 hours. The specimens were then mounted onto slides in Hoyer's medium using the protocol described by Mound and Kibby (1998). The observations on structure were made using an Olympus BX51 phase-contrast microscope. Photomicrographs and measurements were made using this microscope with DP27 digital camera and cellSens software. Terminology follows that of Mound and Masumoto (2005). The slides are deposited in the Department of Plant Protection, College of Agriculture, Shiraz University, Shiraz, Iran.

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Thrips praetermissus Priesner

Thrips praetermissus Priesner, 1920: 58.

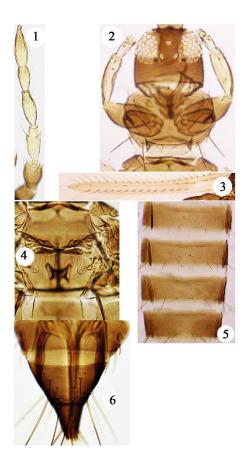
Thrips montivagus Priesner, 1923: 83.

The species is originally described from Austria (Priesner, 1920) but now distributed around Europe (zur Strassen, 2003). This is the first record of the species in Iran. The species is listed as one of the threatened thrips species of middle-eastern Poland (Kucharczyk & Kucharczyk, 2008).

Material examined: 4 females, IRAN, Fars province, Bajgah, from *Taraxacum* sp. (Asteraceae), 3.x.2015 (A. Afsharizadeh Bami).

Distribution: Austria, Czech Republic, Germany, Mongolia, Poland, Rumania, Slovakia, Ukrain. (zur Strassen, 2003; Fedor *et al.*, 2004), Iran (this study).

Diagnosis. Female macroptera. Body brown, antennal segments III-V yellow, IV and V slightly shaded distally, VI yellow but shaeded at distal, VII shaded (Fig. 1), forewing uniformly dusky (Fig. 3).



Figs 1–6. *Thrips praetermissus.* Female: 1. Antenna; 2. Head and pronotum; 3. Forewing; 4. Meso and metanotum; 5. Abdominal sternites IV–VII; 6. Abdominal tergites VIII–X.

Head broader than long, ocellar setae III arising inside ocellar triangle behind first ocellus (Fig. 2); postocular setae I longer than setae II and III. Antennae 7-segmented (Fig. 1). Pronotum wider than long with faint transverse striations anteriorly and posteriorly and about 25 discal setae, posterior margin with 3 pairs of setae inner to major angulars (Fig. 2). Mesonotum with transverse lines, anterior campaniform sensilla present. Metanotum with longitudinal lines; median setae arising behind anterior margin; campaniform sensilla absent (Fig. 4). Fore wing first vein with 3 distal setae (Fig. 3); Abdominal tergite II with 3 lateral marginal setae; posteromarginal comb on VIII complete (Fig. 6); IX with two pairs of campaniform sensilla (Fig. 6) X with incomplete median split. Pleurotergites II - V with 2–3 discal setae. Sternites with discal setae (Fig. 5), III with 6 posteromarginal and 13 discal setae.

Measurements (a female in microns). Body length 1574. Head, length 129; width across eyes 174; ocellar setae III 19. Pronotum, length 144; width 205; outer (inner) posteroangular setae 72 (79). Fore wing length 900. Tergite IX S1 134. Antennal segments I-VII length 18, 35, 52, 50, 34, 50, 12.

Comment: *Thrips praetermissus* is similar to *T. pillichi* Priesner. The latter species was simultaneously recorded by Alavi and Kamali (1995) and Mortazaviha (1995) for the first time from Iran. These two species share the following charchters: abdominal sternites as well as pleurotergites with accessory setae, antennae 7-segmented and forewing with 3 setae on distal half of first vein. However *T. praetermissus* differs from *T. pillichi* in having setae S1 on tergite IX longer (more than 100 microns versus less than 80 microns). Similarly the length of inner posteroangular setae is longer in *T. praetermissus* (57-76 microns versus 36-57) (zur Strassen, 2003).

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