

# A Contribution to the Study of Turkish Spider Fauna (Araneae)

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**Abstract:** Four spider species, *Agelescape caucasica* Guseinov, Marusik & Koponen, 2005, *Megalephyphantes nebulosus* (Sundevall, 1830), *Micaria bosmansii* Kovblyuk & Nadolny, 2008, and *Phlegra cinereofasciata* (Simon, 1868), are reported as new for the spider fauna of Turkey. Data on the collecting sites and the general distribution of each species are presented.

**Keywords:** New records, *Agelescape caucasica*, *Megalephyphantes nebulosus*, *Micaria bosmansii*, *Phlegra cinereofasciata*, Turkey

## Introduction

The spider fauna of Turkey is rather poorly known compared to other countries of the world. Up to now, 44032 species of 3905 genera of spiders have been described in the world (PLATNICK 2013). There are only 979 species, belonging to 53 families known from Turkey (TOPÇU *et al.* 2005, BAYRAM *et al.* 2013). In this study, we report four spider species as new records for the Turkish spider fauna. For each species, the collected material, localities (with GPS co-ordinates) and data of general distribution are given.

## Material and Methods

The spiders were collected from Melendiz Mountains (Niğde Province) of Turkey by using pitfall traps and manual gathering. The specimens were preserved in 70% ethanol. The identification was made by means of a SZX61 Olympus stereomicroscope. The keys of HEIMER, NENTWIG (1991), ROBERTS (1995), and LOCKET, MILLIDGE (1951, 1953) were used for the species identification. The examined specimens are deposited in the Arachnology Museum of Niğde University (NUAM). The general distribution of all species follows PLATNICK (2013).

## Results

### Agelenidae

#### *Agelescape caucasica* Guseinov, Marusik & Koponen, 2005

**Material Examined:** Turkey: 1♀ (NUAM), Niğde, Güresentepe mevki III, 34°36'36"E, 38°06'23"N, 2254 m, 09.VI.2012; 2♀ (NUAM), Niğde, Güresentepe mevki III, 34°36'36"E, 38°06'23"N, 2254 m, 23.VII.2012; 1♀ (NUAM), Niğde, Melendiz VIII, 34°34'30"E, 38°06'32"N, 2175 m, 28.VIII.2012; 1♀ (NUAM), Niğde, Melendiz IX, 34°33'58"E, 38°06'00"N, 2305 m, 28.VIII.2012; 1♀ (NUAM), Niğde, Güresentepe mevki III, 34°36'36"E, 38°06'23"N, 2254 m, 29.VIII.2012; 1♀ (NUAM), Niğde, Melendiz VIII, 34°34'30"E, 38°06'32"N, 2175 m, 01.XII.2012; 1♀ (NUAM), Niğde, Melendiz IX, 34°33'58"E, 38°06'00"N, 2305 m, 02.XII.2012; 2♀ (NUAM), Niğde, Güresentepe mevki III, 34°36'36"E, 38°06'23"N, 2254 m, 03.XII.2012.

**Distribution:** Greece, Azerbaijan (PLATNICK 2013).

### Liyniphiidae

#### *Megalephyphantes nebulosus* (Sundevall, 1830)

**Material Examined:** Turkey: 1♀ (NUAM), Niğde, Güresentepe mevkii I, 34°37'04"E, 38°06'19"N, 2157 m, 23.VII.2012; 1♀ (NUAM), Niğde, Yeşilburç village-Kırkbayır village, 34°39'45"E, 38°02'03"N, 1491 m, 23.VII.2012; 1♀ (NUAM), Niğde, Güresentepe mevkii III, 34°36'36"E, 38°06'23"N, 2254 m, 23.VII.2012; 2♀ (NUAM), Niğde, Çiftlik, 34°28'15"E, 38°09'29"N, 1560 m, 28.VIII.2012; 2♀ (NUAM), Niğde, Çiftlik, 34°28'15"E, 38°09'29"N, 1560 m, 28.VIII.2012; 2♀ (NUAM), Niğde, Yeşilburç village-Kırkbayır village, 34°39'45"E, 38°02'03"N, 1491 m, 28.VIII.2012; 2♀ (NUAM), Niğde, Güresentepe mevkii II, 34°36'51"E, 38°06'20"N, 2157 m, 29.VIII.2012; 1♀ (NUAM), Niğde, Güresentepe mevkii III, 34°36'36"E, 38°06'23"N, 2254 m, 30.VIII.2012; 1♀ (NUAM), Niğde, Çiftlik, 34°28'15"E, 38°09'29"N, 1560 m, 01.XII.2012; 1♀ (NUAM), Niğde, Yeşilburç village-Kırkbayır village, 34°39'45"E, 38°02'03"N, 1491 m, 01.XII.2012; 1♀ (NUAM), Niğde, Güresentepe mevkii III, 34°36'36"E, 38°06'23"N, 2254 m, 02.XII.2012; 1♀ (NUAM), Niğde, Güresentepe mevkii II, 34°36'51"E, 38°06'20"N, 2157 m, 03.XII.2012; 1♀ (NUAM), Niğde, Güresentepe mevkii I, 34°37'04"E, 38°06'19"N, 2157 m, 04.XII.2012; 1♀ (NUAM), Niğde, Çiftlik, 34°28'15"E, 38°09'29"N, 1560 m, 19.IV.2013; 1♀ (NUAM), Niğde, Güresentepe mevkii I, 34°37'04"E, 38°06'19"N, 2157 m, 10.VI.2013; 1♀ (NUAM), Niğde, Yeşilburç village-Kırkbayır village, 34°39'45"E, 38°02'03"N, 1491 m, 10.VI.2013.

**Distribution:** Holarctic (PLATNICK 2013).

## Gnaphosidae

### *Micaria bosmansii* Kovblyuk & Nadolny, 2008

**Material Examined:** Turkey: 2♀ (NUAM), Niğde, Melendiz II, 34°36'39"E, 38°07'45"N, 2067 m, 23.VII.2012.

**Distribution:** Ukraine (PLATNICK 2013).

## Salticidae

### *Phlegra cinereofasciata* (Simon, 1868)

**Material Examined:** Turkey: 3♀ (NUAM), Niğde, Murtaza Dam I, 34°34'38"E 38°08'27"N, 1895 m, 19.IV.2013; 2♀ (NUAM), Niğde, Altunhisar-Çiftlik III, 34°26'47"E 38°07'25"N, 1811 m, 19.IV.2013; 3♀ (NUAM), Niğde, Murtaza Dam II, 34°34'54"E 38°09'12"N, 1857 m, 20.IV.2013; 3♀ (NUAM), Niğde, Altunhisar-Çiftlik II, 34°24'39"E 38°04'27"N, 1778 m, 21.IV.2013; 1♀ (NUAM), Niğde, Murtaza Dam I, 34°34'38"E 38°08'27"N, 1895 m, 10.V.2013; 2♀ (NUAM), Niğde, Altunhisar-Çiftlik III, 34°26'47"E 38°07'25"N, 1811 m, 11.V.2013; 1♀ (NUAM), Niğde, Altunhisar-Çiftlik II, 34°24'39"E 38°04'27"N, 1778 m, 13.V.2013.

**Distribution:** France to Central Asia (PLATNICK 2013).

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