

New data on jumping spiders in the Republic of Macedonia with a complete checklist (Araneae: Salticidae)

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Abstract: The arachnological investigations carried out in the Republic of Macedonia in the last 10 years significantly increased the knowledge on the jumping spiders (Salticidae). New data on the distribution of 58 species are presented in the paper, among them 17 species and 3 genera are new for the country. The paper provides also a comprehensive checklist of all hitherto registered Salticidae in Macedonia comprising 81 species. Four species are deleted from the list, as the reason for this action is explained.

Key words: jumping spiders, new records, checklist, Republic of Macedonia

Introduction

The first data concerning jumping spiders of the Republic of Macedonia can be found in the works of STOJČEVIĆ (1907, 1929) and DOFLEIN (1921). This information was summarized later by DRENSKY (1936), who reported 45 species. Further data can be found in the papers of NIKOLIĆ, POLENEC (1981), ČURČIĆ *et al.* (2000), DELTSHEV *et al.* (2000), BLAGOEV (2002), KOMNENOV (2002, 2003), LAZAROV (2004) and FISHER, AZARKINA (2005). The present study puts on record the new material collected in the country in the last 10 years and also provides a critical review of all available literature data.

Study area and materials

The material was collected by the author in the period 1995-2005 during research expeditions organised by the Biology Students Research Society. The following regions were visited: Shar Planina Mt., Bistra Mt., Jakupica Mt., Pelister Mt., Nidzhe Mt., Kozhuf Mt., Ograzhden Mt., as well as some other parts of the country. The spiders were collected in different biotopes by hand (under stones, bark and leaf litter), by pitfall traps and sweeping (meadow). The materials are preserved in the collection of the author. The taxonomic classification and distribution of the species follow PLATNICK (2006).

Results

The family Salticidae is represented in Macedonia by 81 species of 32 genera: *Aelurillus* - 6, *Afraflacilla* - 1, *Asianellus* - 1, *Ballus* - 1, *Bianor* - 1, *Carrhotus* - 1, *Chalcoscirtus* - 2, *Cyrba* - 1, *Dendryphantus* - 2, *Euophrys* - 3, *Evarcha* - 4, *Heliophanus* - 10, *Icius* - 1, *Leptorchestes* - 1, *Macaroeris* - 1, *Marpissa* - 2, *Mendoza* - 1, *Menemerus* - 1, *Mogrus* - 1, *Myrmarachne* - 1, *Neaetha* - 1, *Neon* - 2, *Pellenes* - 6, *Philaeus* - 1, *Phlegra* - 4, *Pseudeuophrys* - 2, *Pseudicius* - 2, *Saitis* - 2, *Salticus* - 5, *Sitticus* - 8, *Synageles* - 3, and *Talavera* - 3. Seventeen species, *Aelurillus* sp. 1, *Aelurillus* sp. 2, *A. m-nigrum*, *A. laniger*, *Chalcoscirtus nigrinus*, *Euophrys herbigrada*, *E.*

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rufibarbis, *Heliophanus dubius*, *Icius subinermis*, *Menemerus semilimbatus*, *Mogrus neglectus*, *Pellenes brevis*, *Phlegra cinereofasciata*, *Saitis tauricus*, *Salticus propinquus*, *Sitticus distinguendus*, and *Talavera aequipes*, are new to the Macedonian fauna (marked in the check list with *) and two species (*Aelurillus laniger* and *Icius subinermis*) are new also to the Balkan Peninsula (marked in the check list with **).

The species *Euophrys gambosa* (SIMON, 1868), *Macaroseris flavicomis* (SIMON, 1884) and *Pseudicius espereyi* FAGE, 1921 are mentioned by NIKOLIĆ, POLENEC (1981) as species probably occurring in Macedonia, but their presence has still not been confirmed and therefore they are not included in the checklist. NIKOLIĆ, POLENEC (1981) and BLAGOEV (2002) cited *Talavera aequipes ludio* (SIMON, 1871), but the presence of this species in Macedonia is very doubtful and highly improbable. Its taxonomic status is uncertain as well and needing revision (Logunov pers. comm., Proszynski pers. comm.). On the territory of Macedonia only *Talavera aequipes* has been recorded for sure.

Compared with the number of jumping spiders recorded from the neighbouring countries, e.g. Greece - 139 species (BOSMANS, CHATZAKI 2005), Bulgaria - 82 species (DELTSHEV, BLAGOEV 2001) and Serbia - 49 species (DELTSHEV *et al.* 2003) the number of recorded species shows that jumping spiders in Macedonia are relatively well studied. Further investigations will undoubtedly increase their number in the country.

Checklist of the Salticidae registered in the Republic of Macedonia

**Aelurillus* sp. 1

New data: Skopje, Radishani, 1♂, 03.09.1995.

Distribution: Republic of Macedonia.

Note: It's very likely a new species (Azarkina, pers.comm.).

**Aelurillus* sp. 2

New data: Slandol, rocky site, 300 m alt., 2♂♂, 28.09.2002.

Distribution: Republic of Macedonia.

Note: It's very likely a new species (Azarkina, pers.comm.).

Aelurillus concolor KULCZYŃSKI, 1901

Literature data: FISHER, AZARKINA 2005.

Distribution: Central Asia, Iran, Republic of Macedonia.

***Aelurillus laniger* LOGUNOV, MARUSIK, 2000

New data: Skopje, Radishani, 1♂, 04.05.1996.

Distribution: Kazakhstan, Republic of Macedonia.

**Aelurillus m-nigrum* KULCZYŃSKI, 1891

New data: Katlanovo, 1♀, 23.05.1996.

Distribution: Palearctic.

Note: The record in Macedonia is among the westernmost ones (AZARKINA 2002).

Aelurillus v-insignitus (CLERCK, 1757)

Literature data: KOMNENOV, 2002, 2003, FISHER, AZARKINA 2005.

New data: Ograzhden Mt., along the Prevedenska Reka River, 800-1167 m alt., 1♂, 14.07.2000; Pelister Mt., track to Nizhepole, 1200-1500 m alt., 1♀, 13.07.2001; Skopje, Vodno Mt., 900 m alt., 1♂, 05.05.2002; Skopje, Vodno Mt., 900 m alt., 1♂, 29.10.2002; Plachkovica Mt., Lisec, 1764 m alt., 1♂, 08-20.05.2002; Skopje, Vodno Mt., 900 m alt., 2♂♂, 26.04.2003; Demir Kapija, from Stojkova Chuka to Samarot, 550 m alt., 1♂ 2♀♀, 21.05.2005.

Distribution: Palearctic.

***Afraflacilla epiblemoides* (CHYZER, 1891)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Central and Eastern Europe.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Asianellus festivus* (C. L. KOCH, 1834)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Katlanovo, 1♂, 02.06.2002.

Distribution: Palearctic.

***Ballus chalybeius* (WALCKENAER, 1802)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Demir Kapija, from village Dren to Prsti, *Quercus coccifera* shrubs, 250-350 m alt., 1♂, 21.05.2005.

Distribution: Europe, North Africa to Central Asia.

***Carrhotus xanthogramma* (LATREILLE, 1819)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Dojran, Zafirka, *Quercus coccifera* shrubs, 1♂, 24.04.2005.

Distribution: Palearctic.

***Chalcoscirtus infimus* (SIMON, 1868)**

Literature data: DELTSHEV *et al.* 2000, BLAGOEV 2002.

New data: Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000; Kajmakchalan Mt., exact locality unknown, 1♀, 07-22.07.2002; village Teovo, near the Babuna Reka River, 1♀, 17.05.2003.

Distribution: Southern, Central Europe to Central Asia.

****Chalcoscirtus nigrinus* (THORELL, 1875)**

New data: Bitola, inside military barracks Stiv Naumov, 1♂, 20-30.06.2000.

Distribution: Palearctic.

***Cyrba algerina* (LUCAS, 1846)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Slandol, 300 m alt., 4♂♂ 14♀♀juv., 28.09.2002; Demir Kapija, from village Dren to Prsti, *Quercus coccifera* shrubs, 250-350 m alt., 1♂, 21.05.2005; Slandol, above village Ulanci, 1♀, 05.07.2005.

Distribution: From Canary Islands to Central Asia.

***Dendryphantus hastatus* (CLERCK, 1757)**

Literature data: NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Dendryphantus rudis* (SUNDEVALL, 1833)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, BLAGOEV 2002.

New data: Pelister Mt., ski track near Kopanki hut, on tree branches, 2♂♂ 1♀, 20.07.2001; Pelister Mt., near Kopanki hut, meadow, 1♀, 07.07.2001.

Distribution: Palearctic.

***Euophrys frontalis* (WALCKENAER, 1802)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, BLAGOEV 2002, KOMNENOV 2002, 2003, LAZAROV 2004.

New data: Ograzhden Mt., near Ograzhden Peak, 1170 m alt., 1♀, 13.07.2000; Bitola,

below Tumbe Kafe, 1♂ 1♀, 04.06.2000; Bitola, inside military barracks Stiv Naumov, 5♂♂, 29-31.05.2000; Skopje, village Kadino, in garden, 1♂, 25.05.2001; Skopje, Vodno Mt., 1♀, 02.06.2001; Kozhuf Mt., exact locality unknown, beech forest, 1000-1200 m alt., 1♀, 09-27.07.2004.

Distribution: Palearctic.

****Euophrys herbigrada* (SIMON, 1871)**

New data: Slandol, above village Ulanci, 1♀, 16.03.2002; Skopje, Vodno Mt., 600-900 m alt., 2♀♀, 26.04.2003; village Marvinci, Isarot, hill pasture in *Quercus coccifera* shrubs, 120 m alt., 1♀, 24.04.2005; Dojran, spring area of the Toplec River, 170 m alt., 1♀, 24.04.2005; village Mlado Nagorichane, 2♀♀, 29.04.2005.

Distribution: Europe.

Notes: The material was provisionally identified as *E. herbigrada*. Males are required to confirm the presence of the species in Macedonia.

****Euophrys rufibarbis* (SIMON, 1868)**

New data: Bitola, below Tumbe Kafe, 2♀♀, 04.06.2000; Karadzica Mt., Orlov Kamen, near the Patishka Reka River, 1♀, 19.03.2005.

Distribution: Palearctic.

Notes: Having at disposal only females, the true species identity remains uncertain. Males are required to confirm the present identification.

***Evarcha arcuata* (CLERCK, 1757)**

Literature data: DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, LAZAROV 2004.

New data: Shar Planina Mt., Ljuboten hut, near road, 1300-1400 m alt., 2♀♀, 08.07.1999; Bitola, below Tumbe Kafe, 1♀, 04.06.2000; Ograzhden Mt., children's resort Suvi Laki, near the Suvolachka Reka River, 1000-1100 m alt., 1♀, 11.07.2000; Ograzhden Mt., along the Prevedenska Reka River 800-1167 m alt., 1♂, 14.07.2000; Pelister Mt., below Hotel Molika, 1200-1400 m alt., 1♀ 12.07.2001; Gevgelija, Negorski Banji spa, wetland, 1♂ 3♀♀, 09.04.2005.

Distribution: Palearctic.

***Evarcha falcata* (CLERCK, 1757)**

Literature data: DRENSKY, 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2002, 2003, LAZAROV 2004.

New data: Katlanovo, 2♂♂ 1♀, 23.05.1996; Jakupica Mt., Gorno Kjule, beech forest, 1500-1800 m alt., 1♂, 13.07.1999; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♀, 30.05.1999; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 2♀♀ 11.05.2002; village Gabrovnik, Oraov Dol, 1♂, 19.06.2002; Kajmakchalan Mt., exact locality unknown, 2♀♀, 07-22.07.2002; Kajmakchalan Mt., from Redir hut to the military barracks, 1600-1800 m alt., 1♂, 07.2002; village Miravci, 1♂, 22.05.2005.

Distribution: Palearctic.

***Evarcha jucunda* (LUCAS, 1846)**

Literature data: FISHER, AZARKINA 2005.

New data: Katlanovo, 2♂♂, 23.05.1996; Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♂, 05.06.2000; Kozhuf Mt., near the Dlaboka Reka River, 1♀, 09-27.07.2004; village Karabunishta, near St. Ilija Monastery, 450 m alt., 1♂, 30.08.2003.

Distribution: Mediterranean, introduced in Belgium.

***Evarcha laetabunda* (C. L. KOCH, 1846)**

Literature data: DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2003.

New data: Bitola, inside military barracks Stiv Naumov, 1♂, 01.06.2000; Plachkovica Mt., Lisec, 1764 m alt., 1♂, 08-20.05.2002.

Distribution: Palearctic.

***Heliophanus aeneus* (HAHN, 1832)**

Literature data: DRENSKY 1929, 1936, STOJČEVIĆ 1929, BAUM 1930, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Heliophanus auratus* C. L. KOCH, 1835**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, DELTSHEV *et al.* 2000, BLAGOEV 2002, KOMNENOV 2002.

New data: Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♀, 30.05.1999; Jakupica Mt., near the Chepleska River to village Nezhilovo, 750-900 m alt., 7♀♀, 18.07.1999; Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♀, 06.06.2000; Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♀, 07.06.2000; Ograzhden Mt., near the Bezgashtevka Reka River, 700-1000 m alt., 3♀♀, 14.07.2000; Pelister Mt., above Neolica hut, meadow, 1500-1700 m alt., 1♀, 19.08.2000; Pelister Mt., village Lavci, near the Lavska Reka River, 800-900 m alt., 1♂, 26.08.2000; Pelister Mt., village Nizhepole, 1000 m alt., 1♀, 13.07.2001; Pelister Mt., near the Rotinska Reka River, 3♀♀, 09.08.2001; village Teovo, near the Babuna Reka River, 2♂♂ 1♀, 17.05.2003; Deshat Mt., from military barracks Bitushe to Velivrv Peak, 1149-1500 m alt., 2♀♀, 20.07.2003.

Distribution: Palearctic.

***Heliophanus cupreus* (WALCKENAER, 1802)**

Literature data: STOJČEVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2002, 2003.

New data: Shar Planina Mt., Ljuboten hut, near road, 1300-1400 m alt., 1♀, 08.07.1997; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♂, 30.05.1999; Jakupica Mt., above Cheples hut, meadow with fern, 1450-1500 m alt., 2♀♀, 11.07.1999; Bitola, inside military barracks Stiv Naumov, 1♂, 29-31.05.2000; Pelister Mt., Hotel Molika, 1200-1400 m alt., 1♂, 12.07.2001; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♂ 1♀, 11.05.2002; Plachkovica Mt., Liseč, 1764 m alt., 3♂♂, 17.05.2002; village Gabrovnik, Oraov Dol, 1♂, 19.06.2002; Veles, Dolgi Rid, 2♂♂, 19.06.2002; Kajmakchalan Mt., Chemerika, meadow in Scots pine forest, 1♂, 16.07.2002; Kajmakchalan Mt., village Budimirci, near the Trnovchica Reka River 750 m alt., 1♂, 21.07.2002; Bushava Mt., Krushevo, near reservoir, 1400 m alt., 1♂, 02.05.2005; Demir Kapija, from Stojkova Chuka to Samarot, meadow in oak forest, 550 m alt., 1♂ 1♀, 21.05.2005; village Miravci, 2♂♂, 22.05.2005.

Distribution: Palearctic.

****Heliophanus dubius* C. L. KOCH, 1835**

New data: Kajmakchalan Mt., above Redir hut, Scots pine forest, 1♀, 19.07.2002.

Distribution: Palearctic.

***Heliophanus flavipes* (HAHN, 1832)**

Literature data: STOJČEVIĆ 1907, 1929, DRENSKY 1929, 1936, BLAGOEV 2002, KOMNENOV 2003.

New data: Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000; Jablanica Mt., Krivi Virovi, high-mountain pasture, 1700-1800 m alt., 1♀, 08.06.2003.

Distribution: Palearctic.

***Heliophanus kochii* SIMON, 1868**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Bitola, inside military barracks Stiv Naumov, 1♂, 29-31.05.2000; Bitola, inside military barracks Stiv Naumov, 1♂, 20-30.06.2000; Skopje, Stenkovec, quarry, 500 m alt., 1♂, 20.10.2002; village Teovo, near the Babuna Reka River, 2♂♂ 1♀, 17.05.2003.

Distribution: Palearctic.

***Heliophanus lineiventris* SIMON, 1868**

Literature data: KOMNENOV 2002, 2003.

New data: Jakupica Mt., Gorno Kjule, high mountain pasture, 2000 m alt., 3♀♀, 11.07.1999; Skopje, Kuchevishka Bara, 1♂, 28.07.1999; Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♀, 07.06.2000; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♀, 11.05.2002; Kajmakchalan Mt., Belo Grotlo, pine forest, 1750 m alt., 1♀, 17.07.2002; Kajmakchalan Mt., high-mountain pasture, 2000-2200 m alt., 1♂, 07.2002; village Teovo, near the Babuna Reka River, 1♂, 17.05.2003; Korab Mt., high mountain pasture, 2200 m alt., 2♂♂, 07.09.2003.

Distribution: Palearctic.

***Heliophanus melinus* L. KOCH, 1867**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2003.

New data: Skopje, Radishani, 1♀, 04.05.1996; Katlanovo, 1♀, 23.05.1996; Skopje, Kisela Voda, 4♂♂ 1♀, 18.05.1999; Jakupica Mt., beech forest, 1500-1800 m alt. 1♂, 11.07.1999; Jakupica Mt., snow patches, high-mountain pasture, 2100 m alt., 1♀, 13.07.1999; Bitola, Titov Rid, 744 m alt., 2♂♂, 06-10.05.2000; Bitola, inside military barracks Stiv Naumov, 2♂♂, 29-31.05.2000; Bitola, below Tumbe Kafe, 1♀, 04.06.2000; Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000; Veles, near the Babuna Reka River, 2♀♀, 27.05.2001; Katlanovo, 1♂, 02.06.2002; village Teovo, near the Babuna Reka River, 1♂, 17.05.2003; Kozhuf Mt., exact locality unknown, 1♂, 09-27.07.2004; Dojran, spring of the Toplec River, 170 m alt., 2♂♂, 24.04.2005; village Mlado Nagorichane, 9♂♂, 29.04.2005; Demir Kapija, from village Dren to Prsti, *Quercus coc-cifera* shrubs, 250-350 m alt., 11♂♂ 6♀♀, 21.05.2005; Demir Kapija, from Stojkova Chuka to Samarot, meadows in oak forest, 550 m alt., 2♂♂, 21.05.2005.

Distribution: Palearctic.

***Heliophanus simplex* SIMON, 1868**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed

***Heliophanus tribulosus* SIMON, 1868**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Village Marvinci, Isarot, hill pasture in *Quercus coccifera* shrubland, 120 m alt., 1♂, 24.04.2005.

Distribution: Europe to Kazakhstan.

*****Icius subinermis* (SIMON, 1937)**

New data: Skopje, Ostrovo, found dead in apartment, 1♂, 02.02.2002.

Distribution: Western Mediterranean, Germany, Republic of Macedonia.

***Leptorchestes berolinensis* (C. L. KOCH, 1846)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, BLAGOEV 2002.

New data: Skopje, Vodno Mt., 1♀, 12.08.1995; Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000.

Distribution: Europe to Turkmenistan.

***Macaroeris nidicolens* (WALCKENAER, 1802)**

Literature data: DOFLEIN 1921, STOJICÉVIĆ 1929, DRENSKY 1929, 1936, BAUM 1930, BLAGOEV 2002.

New data: Katlanovo, 1♂, 23.05.1996; Bitola, inside military barracks Stiv Naumov, 1♂, 14-26.05.2000; Bitola, inside military barracks Stiv Naumov, 1♂, 29-31.05.2000; Krivolak,

inside military training polygon Krivolak, near the Vardar River, 1♂, 05.06.2000; Bitola, inside military barracks Stiv Naumov, 6♀♀, 20-30.06.2000; Pelister Mt., Caparska Preseka, meadow, 1500 m alt., 1♀, 09.07.2001; Pelister Mt., near Kopanki hut, meadow, 1♀, 07.07.2001; village Gabrovnik, Oraov Dol, 1♂, 19.06.2002; Skopje, Vodno Mt., 1♂, 07.07.2002; Skopje, inside building of the Institute of Agriculture, 5♂♂ 40♀♀, 08.06.2005; Slandol, above village Ulanci, 1♂, 05.07.2005.

Distribution: Europe to Central Asia.

***Marpissa muscosa* (CLERCK, 1757)**

Literature data: DRENSKY 1929, 1936, STOJČEVIĆ 1929, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, LAZAROV 2004.

New data: Pelister Mt., village Lavci, near the Lavska Reka River, 800-900 m alt., 1♂ 1♀, 26.08.2000; Skopje, Vodno Mt., 1♂, 01.06.2002.

Distribution: Palearctic.

***Marpissa nivoyi* (LUCAS, 1846)**

Literature data: DOFLEIN 1921, BLAGOEV 2002.

New data: Katlanovo, wetland, 1♀, 30.05.2002; Katlanovo, wetland, 5♀♀, 05.07.2005.

Distribution: Palearctic.

***Mendoza canestrinii* (NINNI, 1868)**

Literature data: DOFLEIN 1921, DRENSKY 1929, 1936, STOJČEVIĆ 1929, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

****Menemerus semilimbatus* (HAHN, 1829)**

New data: Skopje, Vlae, 1♂1♀, 07.08.1995; Katlanovo, 1♀, 02.05.1996; Vodno Mt., Pripor, 1♂, 11.08.2001; Gevgelija, Bogdanci, 1♂ 1♀ juv., 01.06.2005.

Distribution: Canary Islands to Azerbaijan; Argentina.

****Mogrus neglectus* (SIMON, 1868)**

New data: Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♀, 07.06.2000; Slandol, above village Ulanci, 1♂, 16.03.2002; Slandol, above village Ulanci, 2♀♀, 23.06.2002; Slandol, above village Ulanci, 5♀♀, 05.07.2005.

Distribution: Greece, Republic of Macedonia, Turkey, Israel, and Azerbaijan.

Note: The new localities in Macedonia form the northernmost border of species' distribution.

***Myrmarachne formicaria* (DE GEER, 1778)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, BLAGOEV 2002.

New data: Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♂, 05.06.2000; Skopje, village Kadino, in garden, 1♂, 01.10.2000; Gevgelija, Nergorski Banji spa, wetland, 1♂, 09.04.2005.

Distribution: Palearctic.

***Neaetha absheronica* LOGUNOV, GUSEINOV, 2001**

Literature data: FISHER, AZARKINA 2005.

New data: Probishtip, 1♂, 10.06.1996.

Distribution: Azerbaijan and Republic of Macedonia.

Notes: According to LOGUNOV, GUSEINOV (2002) the areal of *N. absheronica* reaches the Balkan Peninsula in the west. Therefore, all records of *N. membrosa* in the region should in fact be referred to this species.

***Neon levis* (SIMON, 1871)**

Literature data: ČURČIĆ *et al.* 2000, BLAGOEV 2002.

Distribution: Palearctic.

***Neon reticulatus* (BLACKWALL, 1853)**

Literature data: LAZAROV 2004.

New data: Ograzhden Mt., children's resort Suvi Laki, 1000 m alt., 1♀, 15.07.2000; Skopje, Stenkovec, quarry, 500 m alt., 1♀, 20.10.2002.

Distribution: Holarctic.

****Pellenes brevis* SIMON, 1868**

New data: Village Mlado Nagorichane, 2♂♂, 29.04.2005.

Distribution: Spain, France, Germany, Greece (incl. Rhodos Island), and Republic of Macedonia.

***Pellenes diagonalis* (SIMON, 1868)**

Literature data: FISHER, AZARKINA 2005.

New data: Slandol, above village Ulanci, 1♂, 16.03.2002.

Distribution: Greece (incl. Corfu Island), Republic of Macedonia, Turkey, and Israel.

***Pellenes geniculatus* (SIMON, 1868)**

Literature data: FISHER, AZARKINA 2005.

Distribution: Southern Palearctic, Tanzania, introduced in Belgium.

***Pellenes nigrociliatus* (SIMON, 1875)**

Literature data: STOJIĆEVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2003.

New data: Katlanovo, 1♀, 23.05.1996; Skopje, Zajchev Rid, meadow, 1♀, 26.05.1999; Slandol, above village Ulanci, 1♂, 16.03.2002; Skopje, exact locality unknown, 1♀, 06.2002; village Teovo, near the Babuna Reka River, 1♂, 17.05.2003.

Distribution: Palearctic.

***Pellenes seriatus* (THORELL, 1875)**

Literature data: KOMNENOV 2002, LAZAROV 2004.

New data: Shar Planina Mt., near Jelak hut, meadow, 1♀, 07-23.07.1995; Katlanovo, 2♂♂, 02.05.1996; Bitola, Titov Rid, 744 m alt., 2♂♂, 06-10.05.2000; Skopje, village Petrovec, canal, 1♂ 1♀, 30.05.2002; Kajmakchalan Mt., Chemerika, meadow in Scots pine forest, 1♀, 16.07.2002; Kajmakchalan Mt., above Redir hut, Scots pine forest, 1♀, 19.07.2002; Kajmakchalan Mt., from Redir hut to military barracks, 1600-1800 m alt., 1♂, 07.2002; village Teovo, near the Babuna Reka River 1♂, 17.05.2003; Kozhuf Mt., Chichi Kjaja, beech forest, 1400-1650 m alt., 1♀, 09-27.07.2004; village Miravci, 1♂, 22.05.2005.

Distribution: Greece, Bulgaria, Republic of Macedonia, Russia, Central Asia.

***Pellenes tripunctatus* (WALCKENAER, 1802)**

Literature data: DELTSHEV *et al.* 2000, BLAGOEV 2002.

Distribution: Palearctic.

***Philaeus chrysops* (PODA, 1761)**

Literature data: STOJIĆEVIĆ 1907, 1929, DRENSKY 1929, 1935, 1936, NIKOLIĆ, POLENEC 1981; DELTSHEV *et al.* 2000, BLAGOEV 2002, KOMNENOV 2002, 2003, LAZAROV 2004.

New data: Katlanovo, 2♂♂ 4♀♀, 23.05.1996; Skopje, Radishani, 1♂, 30.04.2000; Bitola, Titov Rid, 744 m alt., 2♂♂ 1♀, 06-10.05.2000; Bitola, inside military barracks Stiv Naumov, 1♂, 20-30.06.2000; Veles, near the Babuna Reka River, 1♂ 1♀, 27.05.2001; Skopje, Vodno Mt.,

900 m alt., 1♂ 2♀♀, 02.06.2001; Pelister Mt., Jorgov Kamen-Nizhepole, 1200-1500 m alt., 1♂, 13.07.2001; Pelister Mt., Orlovi Bari-Muza, high mountain pasture, 1♂ 1♀, 18.07.2001; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♀, 11.05.2002; Katlanovo, 2♂♂ 1♀, 02.06.2002; Kajmakchalan Mt., near Redir hut, 2♂♂, 08-22.07.2002; village Teovo, near the Babuna Reka River, 2♀♀, 17.05.2003; Bistra Mt., Medenica, 2♂♂ 2♀♀, 06.06.2003; Jablanica Mt., Krivi Virovi, high mountain pasture, 1♀, 08.06.2003; Bistra, Tonivoda, 1♀, 13.07.2003; D-shat Mt., near Lake Lokuv, 1550 m alt., 1♀, 20.07.2003; Kozhuf Mt., Alcak, meadow, 1500-1700 m alt., 1♂, 09-27.07.2004; village Mlado Nagorichane, 1♀ 1♂ juv., 29.04.2005; Demir Kapija, from Stojkova Chuka to Samarot, meadows in oak forest, 550 m alt., 1♂ 1♀, 21.05.2005.

Distribution: Palearctic.

***Phlegra bresnieri* (LUCAS, 1846)**

Literature data: STOJIĆEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Southern Europe to Azerbaijan; Tanzania.

Note: The presence of this species in Macedonia is yet to be confirmed.

****Phlegra cinereofasciata* SIMON, 1868**

New data: Veles, near the Babuna Reka River, 1♂, 27.05.2001; Katlanovo, village Kozhle - village Blace, 1♀, 24.02.2002; Slandol, above village Ulanci, 1♀, 16.03.2002; Skopje, Vodno Mt., 600-900 m alt., 1♂, 26.04.2003; Slandol, above village Ulanci, 1♀, 05.07.2005.

Distribution: France to Central Asia.

***Phlegra fasciata* (HAHN, 1826)**

Literature data: STOJIĆEVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2003.

New data: Katlanovo, 1♂, 1♀, 02.05.1996; Skopje, Radishani, 1♀, 04.05.1996; Skopje, Zajcev Rid, meadow, 1♂, 26.05.1999; Jakupica Mt., snow patches, high-mountain pasture, 2100 m alt., 1♀, 13.07.1999; Bitola, Titov Rid, 744 m alt., 1♀, 06-10.05.2000; Prilep, Markovi Kuli, meadow, 1♂, 16-18.05.2000; Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000; Pelister Mt., near Lake Malo Ezero, high mountain pasture, 2100 m alt., 1♀, 16.07.2001; village Gabrovnik, Oraov Dol, 1♂, 19.06.2002; village Teovo, near the Babuna Reka River, 1♂ 1♀, 17.05.2003; Gevgelija, Negorski Banji spa, wetland, 1♂, 09.04.2005; Demir Kapija, from Stojkova Chuka to Samarot, 550 m alt., 1♂, 21.05.2005; village Miravci, 1♂ 1♀, 22.05.2005; Dojran, Zafirka, *Quercus coccifera* shrubs, 1♀, 24.04.2005; Dojran, spring of the Toplec River, 170 m alt., 1♂ 1♀, 24.04.2005; village Mlado Nagorichane, 1♀, 29.04.2005; village Karabunishta, near St. Ilija Monastery, 450 m alt., 1♀, 30.08.2003.

Distribution: Palearctic.

***Phlegra lineata* (C. L. KOCH, 1846)**

Literature data: NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Southern Europe, Syria.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Pseudeuophrys erratica* (WALCKENAER, 1826)**

Literature data: STOJIĆEVIĆ 1929, DRENSKY 1936, BLAGOEV 2002, KOMNENOV 2003, LAZAROV 2004.

New data: Jakupica Mt., beech forest, 1500-1800 m alt. 1♂, 11.07.1999; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♂, 11.05.2002; Kajmakchalan Mt., from Redir hut to military barracks, 1600-1800 m alt., 2♂♂, 07.2002.

Distribution: Palearctic (introduced in USA).

***Pseudeuophrys obsoleta* (SIMON, 1868)**

Literature data: KOMNENOV 2003; FISHER, AZARKINA 2005.

New data: Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 1♀, 30.05.1999; Jakupica Mt., beech forest, 1500-1800 m alt. 1♂, 11.07.1999; Bitola, inside military barracks Stiv Naumov, 1♂, 29-31.05.2000; Bitola, below Tumbe Kafe, 1♂, 04.06.2000; Bitola, inside military barracks Stiv Naumov, 1♀, 20-30.06.2000; Skopje, village Kadino, garden, 1♂, 25.05.2001; Veles, near the Babuna Reka River, 2♀♀, 27.05.2001; Skopje, Vodno Mt., 900 m alt., 1♂ 1♀, 02.06.2001; Pelister Mt., Orlovi Bari-Muza, high mountain pasture, 220-2350 m alt., 2♀♀, 18.07.2001; Prespa, Ezerani, 1♂, 20.04.2002; Kitka Mt., from village Dolno Kolichani to Kitka hut, 600-1350 m alt., 2♂♂, 11.05.2002; Skopje, Vodno Mt., 900 m alt., 1♀, 26.04.2003; village Teovo, near the Babuna Reka River, 1♀, 17.05.2003; Gevgelija, Negorski Banji spa, wetland, 1♂, 09.04.2005; village Marvinci, Isarot, hill pasture in *Quercus coccifera* shrubs, 120 m alt., 1♂, 24.04.2005; Demir Kapija, from village Dren to Prsti, *Quercus coccifera* shrubs, 250-350 m alt., 1♀, 21.05.2005.

Distribution: Palearctic.

***Pseudicius encarpatus* (WALCKENAER, 1802)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Europe to Kazakhstan.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Pseudicius picaceus* (SIMON, 1868)**

Literature data: FISHER, AZARKINA 2005.

New data: Katlanovo, 1♂, 23.05.1996; Veles, near the Babuna Reka River, 1♂, 27.05.2001; Skopje, inside building of the Institute of Agriculture, 08.06.2005.

Distribution: Mediterranean.

***Saitis barbipes* (SIMON, 1868)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Mediterranean, Central Europe (introduced?).

Notes: This species has been reported in the country only once, from Skopje (cf. STOJICÉVIĆ 1929) and this record was not confirmed by modern authors. It is very likely due to a misidentification of *S. tauricus*, which is a common species in Macedonia (see below).

****Saitis tauricus* KULCZYŃSKI, 1905**

New data: Skopje, Ostrovo, 1♀, 11.11.2002; Gevgelija, garden, 2♂♂, 1♀, 06.2003; Skopje, inside building of the Institute of Agriculture, 1♀, 01.07.2005.

Distribution: Bulgaria, Greece, Republic of Macedonia, Turkey, Ukraine.

***Salticus cingulatus* (PANZER, 1797)**

Literature data: STOJICÉVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Salticus mutabilis* LUCAS, 1846**

Literature data: NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Europe, the Azores, Georgia, Argentina.

Note: The presence of this species in Macedonia is yet to be confirmed.

****Salticus propinquus* LUCAS, 1846**

New data: Dojran, Zafirka, *Quercus coccifera* shrubs, 1♂, 24.04.2005.

Distribution: Mediterranean.

Note: On the Balkan Peninsula this Mediterranean species is known only from Greece and Macedonia.

***Salticus scenicus* (CLERCK, 1757)**

Literature data: DRENSKY 1929, 1936, STOJČEVIĆ 1929, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2002.

New data: Shar Planina Mt., near Jelak hut, meadow, 1♀, 07-23.07.1995.

Distribution: Holarctic.

***Salticus zebaneus* (C. L. KOCH, 1837)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2002, LAZAROV 2004.

New data: Krivolak, inside military training polygon Krivolak, near the Vardar River, 1♀, 07.06.2000; Skopje, village Kadino, garden, 1♂, 25.05.2001; Ohrid, docks, 1♂, 15.06.2002; Skopje, inside building of the Institute of Agriculture, 4♀♀, 08.06.2005.

Distribution: Palearctic.

***Sibianor aurocinctus* (OHLERT, 1865)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Sitticus atricapillus* (SIMON, 1882)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002, KOMNENOV 2002, 2003, KRONENSTEDT, LOGUNOV 2003.

New data: Pelister Mt., Kunina Stena, 1900 m alt., 2♂♂, 10.07.2000; Pelister Mt., from Virovi to Pelister Peak, 2200-2601 m alt., 2♂♂ 2♀♀, 10.07.2001; Pelister Mt., Pelister Peak, 2601 m alt., 1♀, 10.07.2001; Pelister Mt., Shiroka, high mountain pasture, 1♂, 16.07.2001; Pelister Mt., from Lake Golemo Ezero to Lake Malo Ezero, high mountain pasture, 1♂, 17.07.2001; Pelister Mt., Orlovi Bari-Muza, 1♂, 18.07.2001; Bistra Mt., Medenica, 1♂, 06.06.2003; Bistra, Tonivoda, 2♂♂ 1♀, 13.07.2003; Deshat Mt., Velivrv Peak, 2350 m alt., 1♂ 2♀♀, 20.07.2003; Kozhuf Mt., Dlabok Dol, 1♀, 09-27.07.2004.

Distribution: Europe.

Note: Re-examination of all specimens from Macedonia previously identified as *S. zimmermanni* showed that they belong to *S. atricapillus* (cf. KRONENSTEDT, LOGUNOV 2003).

***Sitticus caricis* (WESTRING, 1861)**

Literature data: STOJČEVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

****Sitticus distinguendus* (SIMON, 1868)**

New data: Skopje, near the Lepeneč River, sandy soil, 1♂, 03.09.2002.

Distribution: Palearctic.

***Sitticus dzieduszyckii* (L. KOCH, 1870)**

Literature data: STOJČEVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Europe.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Sitticus floricola* (C. L. KOCH, 1837)**

Literature data: STOJČEVIĆ 1907, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Deshat Mt., near Lake Lokuv, 1550 m alt., 1♂, 20.07.2003.

Distribution: Palearctic.

***Sitticus penicillatus* (SIMON, 1875)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Katlanovo, 1♀, 02.05.1996; Bitola, inside military barracks Stiv Naumov, 1♀, 14-26.05.2000; village Crnichani, Odzheva Cheshma, 160 m alt., 2♂♂, 24.04.2005.

Distribution: Palearctic.

***Sitticus pubescens* (FABRICIUS, 1775)**

Literature data: STOJICÉVIĆ 1907, 1929, DRENSKY 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Bitola, inside military barracks Stiv Naumov, 1♂, 29-31.05.2000; Plachkovica Mt., Liseč, 1764 m alt., 2♂♂, 08-20.05.2002; Deshat Mt., from military barracks Bitushe to Velivrv Peak, 1149-1500 m alt., 1♀, 20.07.2003 Bushava Mt., Krushevo, near reservoir, 1400 m alt., 1♂, 01.08.2004.

Distribution: Europe, USA.

***Sitticus saltator* (O. P.-CAMBRIDGE, 1868)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Synageles dalmaticus* (KEYSERLING, 1863)**

Literature data: DRENSKY 1935, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

New data: Village Miravci, 1♂, 22.05.2005.

Distribution: Mediterranean.

***Synageles hilarulus* (C. L. KOCH, 1846)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, BLAGOEV 2002.

Distribution: Palearctic.

Note: The presence of this species in Macedonia is yet to be confirmed.

***Synageles venator* (LUCAS, 1836)**

Literature data: DRENSKY 1924, 1929, 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Palearctic, Canada.

Note: The presence of this species in Macedonia is yet to be confirmed.

****Talavera aequipes* (O. P.-CAMBRIDGE, 1871)**

New data: Village Crnichani, Odzheva Cheshma, 160 m alt., 1♂, 24.04.2005.

Distribution: Palearctic.

***Talavera monticola* (KULCZYŃSKI, 1884)**

Literature data: ČURČIĆ *et al.* 2000, BLAGOEV 2002.

Distribution: Central and Southern Europe.

***Talavera petrensis* (C. L. KOCH, 1837)**

Literature data: STOJICÉVIĆ 1929, DRENSKY 1936, NIKOLIĆ, POLENEC 1981, BLAGOEV 2002.

Distribution: Europe to Central Asia.

Note: The presence of this species in Macedonia is yet to be confirmed.

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References

- BAUM J. 1930. Sur les Araignées trouvées par Mr. Cernovitov en Yougoslavie (1929). - *Časopis československé společnosti entomologické (Praha)*, **26** (5-6): 101.
- BLAGOEV G. 2002. Check List of Macedonian Spiders (Araneae). - *Acta zoologica bulgarica*, **54** (3): 9-34.
- BOSMANS R., M. CHATZAKI 2005. A catalogue of the spiders of Greece. A critical review of all spider species cited from Greece with their localities. - *Arachnological Contributions. Newsletter of the Belgian Arachnological Society*, **20** (2, supplement): 1-124.
- ČURČIĆ B. P. M., S. B. ČURČIĆ, V. T. TOMIĆ, S. E. MAKAROV, T. BOŠKOVA, E. A. STOJKOSKA, S. V. STANKOVIĆ 2000. Further report on some leaf-litter and hypogean spiders (Araneae, Arachnida) from Macedonia. - *Archive Biological Sciences, Belgrade*, **52** (4): 231-234.
- DELTSHEV C., G. BLAGOEV 2001. A critical checklist of Bulgarian spiders (Araneae). - *Bulletin of the British Arachnological Society*, **12** (3): 110-138.
- DELTSHEV C., G. BLAGOEV, E. STOJKOSKA 2000. A Contribution to the Study of the Spiders (Araneae) in Macedonia. - *Archive Biological Sciences, Belgrade*, **52** (3): 179-183.
- DELTSHEV C., B. P. M. ČURČIĆ, G. BLAGOEV 2003. The Spiders of Serbia. Belgrade-Sofia, Institute of Zoology Monographs, **7**, 833 p.
- DOFLEIN F. 1921. Mazedonien. Erlebnisse und Beobachtungen eines Naturforschers im gefolge des Deutschen Heeres. Jena. Verlag von Gustav Fischer, 592 p.
- DRENSKY P. 1924. Referate und Berichte. - *Mitteilungen der Bulgarischen Entomologischen Gesellschaft in Sofia*, **1**: 20-22. (In Bulgarian)
- DRENSKY P. 1929. Spinnen (Araneae) aus Mittel und Süd-West Mazedonien. - *Spisanie na bulgarskata akademiya na naukite [Journal of the Bulgarian Academy of Sciences]*, **39** (19): 1-76. (In Bulgarian)
- DRENSKY P. 1935. Über die von Dr. Stanko Karaman in Jugoslavien und besonders in Mazedonien gesammelten Spinnen (Araneae). - *Mitteilungen aus den Königlichen naturwissenschaftlichen Instituten in Sofia - Bulgarien*, **8**: 97-110.
- DRENSKY P. 1936. Katalog der echten Spinnen (Araneae) der Balkanhalbinsel. - *Sbornik na bulgarskata akademiya na naukite [Collected Works of the Bulgarian Academy of Sciences. Natural-Mathematical Series]*, **32** (15): 1-223.
- FISHER C., G. AZARKINA 2005. A Contribution to the Knowledge of the Jumping Spiders (Salticidae: Araneae) of the Republic of Macedonia. - *Acta zoologica bulgarica*, **57** (3): 299-304.
- KOMNEV M. 2002. Contribution to the Study of Spiders (Araneae) on Šar Planina Mountain, North-West Macedonia. - *Bulletin of the Biology Students' Research Society*, **2**: 103-110.
- KOMNEV M. 2003. Contribution to the Study of Spiders (Araneae) on Jakupica Mountain, Macedonia. - *Bulletin of the Biology Students' Research Society*, **3**: 45-49.
- KRONESTEDT T., D. V. LOGUNOV 2003. Separation of two species standing as *Sitticus zimmermanni* (Simon, 1877) (Araneae, Salticidae), a pair of altitudinally segregated species. - *Revue suisse de Zoologie*, **110**: 855-873.
- LAZAROV S. 2004. A Contribution to the Study of Spiders (Araneae) in Macedonia. - *Acta zoologica bulgarica*, **56** (2): 155-166.
- LOGONOV D. V., E. F. GUSEINOV (2002). Faunistic review of the jumping spiders of Azerbaijan (Aranei: Salticidae), with additional faunistic records from neighboring Caucasian countries. - *Arthropoda Selecta*, **10**: 243-260.
- LOGONOV D. V., Y. M. MARUSIK 2000. Miscellaneous notes on Palaearctic Salticidae (Arachnida: Aranei). - *Arthropoda Selecta*, **8**: 263-292.
- NIKOLIĆ F., A. POLENEC 1981. Catalogus Faunae Jugoslaviae, III/4. Aranea. Consilium Academicarum Scientiarum Rei Publicae Socialisticae Foederativae Jugoslaviae, Ljubljana, 135 p.

- PLATNICK N. I. 2006. The world spider catalog, version 6.5. American Museum of Natural History. Online at <http://research.amnh.org/entomology/spiders/catalog81-87/index.html>
- СТОЈЏЕВИЋ D. 1907. Study on the fauna of old Serbia and Macedonia. IV. Spiders (Araneae). - *Musée d'histoire naturelle de Beograd*: 17-19. (In Serbian)
- СТОЈЏЕВИЋ D. 1929. Les Araignées de Serbie. - *Musée d'Histoire naturelle de Beograd*, **19**: 1-65. (In Serbian)

Нови данни за скачащите паяци на Република Македонија с пълен списък на установените досега видове (Araneae: Salticidae)

М. Комненов

(Резюме)

В статията се съобщават нови данни за разпространението на 58 вида паяци от семейство Salticidae. От тях, 17 вида и 3 рода са нови за страната, а два вида – *Aelurillus laniger* и *Icius subinermis* – се съобщават за първи път от Балканския полуостров. Представен е пълен списък на досега установените в Македонија видове. Четири таксона от видовата група – *Euophrys gambosa*, *Macaroesis flavicomis*, *Pseudicius espereyi* и *Talavera aequipes ludio*, са изключени от списъка поради липса на конкретни данни за тяхното присъствие в страната. Представени са и оригинални данни за местообитанията на отделните видове.