

## Additional new records of Agromyzidae (Diptera) from the Palaearctic Region

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**Abstract:** Additional new records of the species from the family Agromyzidae from the Palaearctic Region are presented. New data on the distribution of 104 species are given as follows: Afghanistan (3 species), Algeria (10), Austria (5), Bulgaria (2), Croatia (22), Czech Republic (8 species: Bohemia 5, Moravia 4), Egypt (3), France (2), Germany (1), Iran (1), Italy (3), Kazakhstan (25), Liechtenstein (10), Montenegro (2), Romania (1), Serbia (2), Slovakia (11), Slovenia (3), Spain (5), Turkey (13), Uzbekistan (1). One synonym is proposed: *Ophiomyia crisper* Guglya, 2013 (= *O. hungarica* Černý in Papp & Černý, 2015, syn. nov.).

**Key words:** Diptera, Agromyzidae, new records, new synonym, distribution, Palaearctic Region

### Introduction

More than 1,180 species of the family Agromyzidae are known from the Palaearctic Region, with more than 930 species occurring in Europe. The present paper supplements the current faunistic knowledge on the distribution and the occurrence of Agromyzidae in the Palaearctic Region, mainly with respect to its western area. This paper also summarizes new data from seven collections covering faunistic records for 21 countries of Europe, the Middle East, Central Asia, Southern Asia and Northern Africa.

### Material and methods

The examined material is deposited in the following collections: CMBP – private collection of Miroslav Barták, Prague, Czech Republic; CMCH – private collection of Miloš Černý, Halenkovice, Czech Republic; CMTB – private collection of Michael von Tschirnhaus, Bielefeld, Germany; HNHM – Hungarian Natural History Museum, Budapest, Hungary; MHNG – Muséum d'histoire naturelle, Genève, Switzerland; MZMB – Moravské zemské muzeum, Brno, Czech Republic; UZIS – University of Zurich-Irchel, Switzerland.

If not stated otherwise in the following text, the material examined was identified by the author. When necessary, the male terminalia were studied after the detachment, softening and maceration in hot 10% potassium hydroxide, washing in water and dissecting the whole abdomen in a droplet of glycerine under MBS 10-100 binocular microscope. After the examination, all dissected parts were placed into a droplet of a „glycerin plus gum resin“ medium on a card pinned below the proper specimen.

The genera and species are arranged alphabetically with in the two subfamilies of Agromyzinae and Phytomyzinae. The nomenclature is based on the Fauna Europaea (Martinez 2013) and follows Papp & Černý (2015, 2016, 2017) and Spencer (1990).

## LIST OF SPECIES

### SUBFAMILY: AGROMYZINAE

#### *Agromyza anderssoni* Spencer, 1976

**Material examined:** AUSTRIA: Styria, Leutschach, 2 ♂♂, 13.–16.vii.2001, G. Bächli leg. (UZIS).

**Distribution:** Europe: Czech Republic, Hungary (Papp & Černý 2015), Estonia, Slovakia, Sweden; South Korea, Turkey. **First record from Austria.**

*Agromyza audcenti* Gibbs, 2004

**Material examined:** SLOVAKIA: „Gömörvég“ [Bánovo, Tisovec near Rimavská Sobota], „Eadököz, 1 ♂, [1]913.ix.18“, Szabó leg., F. Hendel det. as „*Agromyza spiraeae* K.“, L. Papp det. (HNHM).

**Distribution:** Europe: Great Britain, Hungary (Papp & Černý 2015), Switzerland (Černý & Merz 2007). **First record from Slovakia.**

*Agromyza bromi* Spencer, 1966

**Material examined:** CROATIA: Gornj Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 8 ♂♂, 15.ix.–6.x.2013, 6 ♂♂, 27.iv.–10.v.2014, 1 ♂, 10.–24.v.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: Belgium, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Lithuania, Poland, Slovakia, Spain (Gil-Ortiz 2010), Sweden (Zlobin 2005), Switzerland, Ukraine (Guglya 2011); Turkey (Civelek *et al.* 2007). **First record from Croatia.**

*Agromyza conjuncta* Spencer, 1966

**Material examined:** AUSTRIA: Styria, Leutschach, 1 ♂, 13.–16.vii.2001, G. Bächli leg. (UZIS).

**Distribution:** Europe: Belgium, Czech Republic, France, Germany, Great Britain, Greece incl. Crete, Hungary (Papp & Černý 2015), Italy incl. Sicily, Poland, Portugal (Černý *et al.* 2018), Serbia (Spasić 1991), Slovakia, Spain, Sweden (Zlobin 2005). **First record from Austria.**

*Agromyza drepanura* (Mamonov, 1929)

**Material examined:** TURKEY: 13 km NE of Muğla, 37°15'N, 28°30'E, 1100–1300 m a.s.l., 1 ♂, 2.–3.v.2016, on flowers, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Czech Republic, France, Germany, Hungary (Papp & Černý 2015), Russia, Ukraine (Guglya 2012); Armenia (Nartshuk & Tschirnhaus 2017), Kazakhstan, Kyrgyzstan, Uzbekistan. **First record from Turkey.**

*Agromyza hiemalis* Becker, 1908

**Material examined:** ALGERIA: Ghardaia, 32°30'24"N, 03°37'43"E, 520 m a.s.l., 1 ♂, 29.–31.x.2015, B. Aissa leg. (CMBP). EGYPT: Alexandria, 4 ♂♂, 8.–9.iii.1978, G. Bächli leg. (UZIS).

**Distribution:** Europe: France, Greece, Portugal (Černý *et al.* 2018), Republic of Malta, Sicily (Süss 1999), Spain incl. the Balearic and the Canary Islands (Gil-Ortiz *et al.* 2010); Morocco, Israel, Turkey. **First records from Algeria and Egypt.**

*Agromyza igniceps* Hendel, 1920

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 4 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Czech Republic, Denmark, Finland, Germany, Hungary (Papp & Černý 2015), Italy (Süss 1999), Norway, Russia (Nartshuk & von Tschirnhaus 2017), Slovakia, Sweden, Ukraine (Guglya 2012). **First record from Kazakhstan.**

*Agromyza lucida* Hendel, 1920

**Material examined:** CROATIA: Gornj Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary (Papp 2004), Ireland, Italy, Kazakhstan (Nartshuk & von Tschirnhaus 2017), Lithuania, Netherlands, Poland, Russia (Nartshuk & von Tschirnhaus 2017), Slovakia, Spain, Sweden, Switzerland (Černý 2005a); Canada; India. **First record from Croatia.**

*Agromyza nana* Meigen, 1830

**Material examined:** AFGHANISTAN: Prov. Nengrahar, Laghman, 860 m a.s.l., 1 ♂, 10.iii.1966, D. Povolný & Tenora leg. (MZMB). ALGERIA: Ghardaia, 32°30'24"N, 03°37'43"E, 520 m a.s.l., 1 ♂, 5.x.2015, B. Aissa leg. (CMBP).

**Distribution:** The species is known from the Palaearctic and Oriental Regions. It is widespread and abundant in Europe. **First records from Afghanistan and Algeria.**

*Agromyza nigrociliata* Hendel, 1931

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Belarus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland (Kahanpää 2014), France, Germany, Great Britain, Hungary, Italy (Černý 2006), Lithuania, Poland, Portugal (Černý *et al.* 2018), Russia (Černý & Merz 2006), Slovakia, Spain, Sweden (Zlobin 2005), Switzerland, Ukraine (Guglya 2011); Kuril Islands (Iwasaki 2000), Yakutia (Nartshuk & Bagachanova 2010). **First record from Kazakhstan.**

*Agromyza prespana* Spencer, 1957

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 2 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Bulgaria (Beiger 1979), Czech Republic, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Macedonia, Poland, Slovakia, Sweden, Switzerland (Černý 2005a), Ukraine (Guglya 2011), the former Yugoslavia; Turkey (Černý & Merz 2006). **First record from Kazakhstan.**

*Agromyza seticercus* L. Papp in Papp & Černý, 2015

**Material examined:** CROATIA: 3 km N of Molunat, 150 m a.s.l., 42°28'52"N, 18°25'57"E, 2 ♂♂, 21.v.2007, meadow near wood, M. Barták leg. (CMBP). CZECH REPUBLIC: Bohemia, Bílina, Křinec, 1 ♂, 16.vi.2001, M. Barták leg. (CMBP); Březno near Chomutov, 50°24'19"N, 13°23'34"E, 5 ♂♂, 26.vii.–22.viii.2003, near the Hutná brook, Malaise trap, M. Barták leg. (CMBP); Jizerské hory Mts, Bílý Potok, 1 ♂, 3.–16.vi.2005, 450 m a.s.l., small pond, spring area, Malaise trap, J. Preisler & P. Vonička leg. (CMCH); Hejnice, 50°52'23"N, 15°11'10"E, 320 m a.s.l., 1 ♂, 13.vi.2007, 0.1 km S along wood, sweeping, M. Černý leg. (CMCH); CHKO Český kras, NPR Karlštejn, Kubrychtova bouda, 49°56'44"N, 14°09'22"E, 275 m a.s.l., 1 ♂, 2.vi.2014, meadow, sweeping, M. Černý leg. (CMCH), Karlštejn, 0.5 km W, 49°55'09"N, 14°10'07"E, 220 m a.s.l., 3 ♂♂, 2.vi.2014, bank of the Berounka river, sweeping, M. Černý leg. (CMCH); Praha - Troja, 50°07'15"N, 14°23'53"E, 184 m a.s.l., 2 ♂♂, 22.–29.v.2012, 3 ♂♂, 19.–26.vi.2012, 1 ♂, 3.–10.vii.2012, 1 ♂, 10.–17.vii.2012, ET baited with a pig carcass, M. Barták leg. (CMBP); Stroupeč, 1 km NW from PP Stroupeč (Res.), 50°21'35"N, 13°29'25"E, 250 m a.s.l., 2 ♂♂, 28.v.2011, ruderal vegetation, sweeping near road, 1 ♂, 28.v.2011, steppe hillside, sweeping, all M. Černý leg. (CMCH); Úhošťany, 2 km W from PP Úhošť (Res.), 50°21'16"N, 13°14'10"E, 420 m a.s.l., 1 ♂, 28.v.2011, pasture, sweeping, M. Černý leg. (CMCH). Moravia, Javorník, 2 km NE, NPR Jazevčí (Res.), 340 m a.s.l., 48°52'21"N, 17°33'20"E, 4 ♂♂, 6.viii.2013, mown meadow, sweeping, M. Černý leg. (CMCH); Ostrožská Nová Ves, PP Lázeňský mokřad (Res.), 175 m a.s.l., 48°01'16"N, 17°26'39"E, 1 ♂, 9.vii.2013, edge of the Petříkovec stream, vegetation, sweeping, M. Černý leg.; Podyjí NP, 48°53'N, 15°50'E, 1 ♂, 30.vii.–31.viii.2002, "Pod Ledovými slujemi", wetland near river, Malaise trap, M. Barták & Š. Kubík leg. (CMBP), Havraníky, 48°48'N, 15°59'E, 330 m a.s.l., 1 ♂, 11.vi.–1.vii.2002, forest steppe, Malaise trap, Maixnerová leg. (CMBP). UZBEKISTAN: Tashkent, 41°15'N, 69°28'E, 1 ♂, 19.v.1989, along brook, M. Barták leg. (CMBP).

**Distribution:** Europe: Hungary. **First records from Croatia, the Czech Republic and Uzbekistan.**

*Agromyza viciae* Kaltenbach, 1872

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 4 ♂♂, 27.iv.–10.v.2014, 1 ♂, 10.–24.v.2014, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Czech Republic (Černý *et al.* 2013), Estonia (Nartshuk & von Tschirnhaus 2017), Germany, Great Britain (Gibbs & von Tschirnhaus 2006), Greece (Černý 2011a), Hungary (Papp & Černý 2015), Lithuania (Zlobin 2005), Norway

(Gibbs & von Tschirnhaus 2006), Poland, Russia (Nartshuk & von Tschirnhaus (2017), Switzerland. **First record from Croatia.**

*Melanagromyza aenea* (Meigen, 1830)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). TURKEY: 13 km NE of Mugla, 37°15'N, 28°30'E, 1100–1300 m a.s.l., 1 ♂, 2.–3.v.2016, on flowers, M. Barták & Š. Kubík leg. (CMBP). Pr. Hakkari, Sat Dag, Shagulut, SW Yüksekova, 1700 m a.s.l., 2 ♂♂, 4.–8.viii.1982, W. Schacht leg. (UZIS).

**Distribution:** Europe: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy, Poland, Portugal (Černý *et al.* 2018), Slovakia, Spain, Sweden, Switzerland and Ukraine (Guglyia 2011). **First records from Kazakhstan and Turkey.**

*Melanagromyza aeneoventris* (Fallén, 1823)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Belgium, Bulgaria (Černý & Merz 2006), Czech Republic, Dalmatia (Spasić & Spencer 1992), Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Ireland, Italy, Latvia (Karpa 2007), Lithuania, Netherlands, Norway (Andersen 2018), Poland, Portugal (Černý *et al.* 2018), Slovakia, Spain, Sweden, Switzerland, Ukraine (Guglyia 2011), the former Yugoslavia; Asian Russia, Iran (Ranji *et al.* 2015), Japan, Pakistan, Turkey (Çikman & Sasakawa 2006); Taiwan (Sasakawa 2008). **First record from Kazakhstan.**

*Melanagromyza albocilia* Hendel, 1931

**Material examined:** ALGERIA: Ghardaia, 32°30'24"N, 03°37'43"E, 520 m a.s.l., 5 ♂♂, 5.x.2015, B. Aissa leg. (CMBP). CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 2 ♂♂, 22.vi.–28.vii.2013, 1 ♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, B. Kokan leg. (CMBP). ITALY: Tirano, Province of Sondrio, 1 ♂, 29.vii.–3.viii.2000, B. Merz & G. Bächli leg. (UZIS). KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Lithuania, Maltese Islands (Černý 2005a), Poland, Portugal (Černý 2009b), Russia, Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland (Černý 2009a), Ukraine (Guglyia 2011); Egypt; Cyprus (Černý 2013), Iran (Ranji *et al.* 2015), Israel, Uzbekistan (Černý & Merz 2006). **First records from Algeria, Croatia, Italy and Kazakhstan.**

*Melanagromyza angeliciphaga* Spencer, 1969

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Belgium, Czech Republic, Denmark, Estonia, Finland (Kahanpää 2014), France, Germany, Great Britain, Greece (Černý 2011a), Hungary (Papp & Černý 2015), Lithuania, Netherlands, Poland, Slovakia, Spain, Sweden; Japan (Sasakawa 2005). **First record from Kazakhstan.**

*Melanagromyza cunctans* (Meigen, 1830)

**Material examined:** LIECHTENSTEIN: Ruggell, 25 ♂♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Albania (Černý & Merz 2006), Andorra (Černý 2007a), Austria, Belgium, Bulgaria (Černý & Merz 2006), Croatia, Czech Republic, Dalmatia (Spasić & Spencer 1992), Denmark (Petersen & von Tschirnhaus 2001), France incl. Corsica, Germany, Great Britain, Greece incl. Crete (Černý 2011a), Hungary, Italy incl. Sicily, Lithuania, Netherlands, Poland, Portugal (Černý *et al.* 2018), Republic of Malta (Černý 2005b), Romania,

Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland, Ukraine (Guglya 2011), the former Yugoslavia; Egypt; China, Cyprus (Černý & Vála 2006), Iran (Shahreki *et al.* 2012), Kazakhstan, Pakistan, Turkey (Civelek 2003), Uzbekistan (Černý & Merz 2006). **First record from Liechtenstein.**

***Melanagromyza eupatorii*** Spencer, 1957

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 2 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Czech Republic, France, Germany, Great Britain, Hungary (Papp & Černý 2015), Lithuania, Montenegro (Spasić 1996), Poland, Slovakia, Spain (Gil-Ortiz *et al.* 2010). **First record from Kazakhstan.**

***Ophiomyia aeneonitens*** (Strobl, 1893)

**Material examined.** TURKEY: Ankara Prov., Sereflikochisar, 10 km NW, 39°01'N, 33°28'E, 1 ♂, 2 ♀♀, 1.v.2004, shores of the Tuz Gölü salt lake, I. Malenovský leg. (MZMB).

**Distribution:** Europe: Austria, France (Withers 2014), Switzerland (Černý 2005a), Ukraine (Guglya 2012); Egypt (Černý & Merz 2007), Tunisia; Israel. **First record from Turkey.**

***Ophiomyia alliariae*** Hering, 1954

**Material examined:** ALGERIA: El Harrach, 36°42'57.6"N, 03°09'18"E, 20 m a.s.l., 3 ♂♂, 2.–6.vi.2016, city vegetation, pan traps, N. Baba-Aidsy leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Czech Republic, Finland (Kahanpää 2014), France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy incl. Sardinia (Černý 2006), Latvia, Lithuania, Portugal (Černý *et al.* 2018), Republic of Malta (Černý 2005b), Slovakia, Spain, Ukraine (Guglya 2012). **First records from Algeria.**

***Ophiomyia beckeri*** (Hendel, 1923)

**Material examined:** ALGERIA: El Harrach, 36°42'57.6"N, 03°09'18"E, 20 m a.s.l., 3 ♂♂, 2.–6.vi.2016, city vegetation, pan traps, N. Bab-Aidsy leg. (CMBP). Oum El Bouaghi, 35°52'37.2"N, 07°06'28.8"E, 930 m a.s.l., 6 ♂♂, April 2016, city park, pan traps, N. Baba-Aidsy leg. (CMBP). CROATIA: Gornj Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 9 ♂♂, 27.v.–22.vi.2013, 4 ♂♂, 22.vi.–28.vii.2013, 1 ♂, 11.viii.–15.ix.2013, 1 ♂, 27.iv.–10.v.2014, 1 ♂, 8.–28.vi.2014, 1 ♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP). KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 2 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: This species is known from the Palaearctic, Afrotropical and Oriental (India) Regions. Widespread in Europe, more common in the Mediterranean area. **First records from Algeria, Croatia, Kazakhstan and Liechtenstein.**

***Ophiomyia crispa*** Guglya, 2013

*Ophiomyia hungarica* Černý in Papp & Černý, 2015: 311–315, figs 163 A–C, 164 D–J, **syn. nov.**

**Material examined:** TURKEY: 8 km S of Çine, 37°32'34"N, 28°03'46"E, 68 m a.s.l., 1 ♂, 10.–12.ix.2014, river bank; Mugla, 37°09'42"N, 28°22'13"E, 720 m a.s.l., 1 ♂, 26.vi.–3.vii.2015, University campus, Malaise trap, all M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Hungary, Ukraine. **First record from Turkey.**

***Ophiomyia cunctata*** (Hendel, 1920)

**Material examined:** ALGERIA: Oum El Bouaghi, 35°52'37.2"N, 07°06'28.8"E, 930 m a.s.l., 1 ♂, April 2016, city park, pan traps, N. Baba-Aidsy leg. (CMBP).

**Distribution:** Europe: Albania, Andorra (Černý 2007a), Austria, Croatia (Černý & Merz 2006), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece (Černý & Merz 2006), Hungary, Italy, Lithuania, Moldavia, Norway, Poland, Russia, Slovakia, Spain incl. Balearic and Canary Isles, Sweden, Switzerland (Černý 2005c), Ukraine (Guglya 2011),

the former Yugoslavia; Cyprus (Černý & Vála 2006), Turkey. **First record from Algeria.**

***Ophiomyia curvipalpis*** (Zetterstedt, 1848)

**Material examined:** AFGHANISTAN: Prov. Herat, Bala Murghab, 470 m a.s.l., 1 ♂, 28.–31.viii.1964, O. Jakeš leg. (MZMB). CROATIA: Gornj Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 22.vi.–28.vii.2013, 1 ♂, 28.vii.–11.viii.2013, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, Estonia, France, Germany, Greece (Černý & Merz 2006), Great Britain, Hungary, Italy incl. Sardinia and Sicily (Černý 2006), Lithuania, Macedonia, Norway (Andersen 2018), Poland, Portugal (Černý *et al.* 2018), Republic of Malta (Černý 2005b), Romania (Černý & Merz 2006), Spain incl. the Canary Islands, Sweden, Switzerland, Ukraine (Guglya 2011), the former Yugoslavia; Egypt (Černý & Merz 2007), Morocco; Cyprus (Černý 2006), Iran (Ranji *et al.* 2015), Israel, Japan, Turkey. **First records from Afghanistan and Croatia.**

***Ophiomyia definita*** Spencer, 1971

**Material examined:** CZECH REPUBLIC: Bohemia, Šumava Mts, Malá Niva (Res.), 48°54'35"N, 13°49'21"E, 750 m a.s.l., 1 ♂, 29.iv.1999, peat bog near river, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Belgium, Estonia, Great Britain, Hungary (Papp & Černý 2015), Lithuania (Pakalniškis 2004), Sweden. **First record from the Czech Republic.**

***Ophiomyia disordens*** Pakalniškis, 1998

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Hungary (Papp & Černý 2015), Latvia (Karpa 2007), Lithuania, Ukraine (Guglya 2012). **First record from Kazakhstan.**

***Ophiomyia labiatarum*** Hering, 1937

**Material examined:** EGYPT: Alexandria, 1 ♂, 8.–9.iii.1978, G. Bächli leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium (Scheirs *et al.* 1999), Bulgaria, Croatia (Černý 2009b), Czech Republic, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Latvia (Karpa 2007), Lithuania, Norway, Poland, Portugal (Černý *et al.* 2018), Slovakia, Spain (Gil-Ortiz *et al.* 2010), Sweden (Černý & Merz 2006), Switzerland (Černý 2009b), Ukraine (Guglya 2016); Cyprus (Černý 2013), Israel, Turkey (Černý & Merz 2006); Canada, United States. **First record from Egypt.**

***Ophiomyia nasuta*** (Melander, 1913)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 3 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Belarus, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain (Gibbs 2006), Greece (Černý 2011a), Hungary, Italy (Süss 1999), Lithuania, Poland, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine (Černý & Merz 2006); Japan, Turkey (Dursun *et al.* 2010); Canada, United States. **First record from Kazakhstan.**

***Ophiomyia orbiculata*** (Hendel, 1931)

**Material examined:** CROATIA: Gornj Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 11.viii.–15.ix.2013, 1 ♂, 15.ix.–6.x.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP). KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 2 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Austria, Belarus, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý & Merz 2006),

Hungary, Italy incl. Sicily (Černý 2006), Latvia (Pakalniškis 1994), Lithuania, Norway, Poland, Portugal (Černý 2013), Romania (Černý & Merz 2006), Russia (Pakalniškis 1994), Slovakia, Spain, Sweden, Switzerland, Ukraine (Guglya 2012), the former Yugoslavia; Cyprus (Černý 2009b), Iran (Ranji *et al.* 2015), Turkey, Uzbekistan (Černý & Merz 2006). **First records from Croatia, Kazakhstan and Liechtenstein.**

***Ophiomyia pinguis*** (Fallén, 1820)

**Material examined:** MONTENEGRO: Radoviči, 70–10 m a.s.l., 1 ♂, 25.x.1982, gardens, fields, macchia, P. Lauterer leg. (MHNG)

**Distribution:** Europe: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Ukraine, the former Yugoslavia; Egypt; China, Israel, Japan (Kamiji & Iwaizumi 2013), Tajikistan, Turkey and Uzbekistan. **First record from Montenegro.**

***Ophiomyia pulicaria*** (Meigen, 1830)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 12 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belarus (Pakalniškis 1994), Belgium, Bulgaria, Croatia, Czech Republic, Dalmatia (Spasić & Spencer 1992), Denmark, Estonia, Finland, France incl. Corsica, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy, Latvia (Pakalniškis 1994), Lithuania, Montenegro (Spasić 1996), Netherlands, Norway, Portugal (Černý 2013), Russia (Pakalniškis 1994), Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland, Ukraine (Guglya 2012); China, Japan, Turkey; Kenya (Spencer 1985). **First record from Kazakhstan.**

***Ophiomyia ungarensis*** Černý in Papp & Černý, 2015

**Material examined:** TURKEY, Mugla, 37°09'42"N, 28°22'13"E, 720 m a.s.l., 1 ♂, May 2015, University campus, Malaise trap, H. Kavak leg. (CMBP).

**Distribution:** Europe: Hungary. **First record from Turkey.**

***Ophiomyia vanyushai*** Guglya, 2014

**Material examined:** CZECH REPUBLIC: Bohemia, Úhošťany, 2 km W from PP Úhošť (Res.), 50°21'16"N, 13°14'10"E, 420 m a.s.l., 1 ♂, 28.v.2011, pasture, swept from the vegetation, M. Černý leg. (CMCH).

**Distribution:** Europe: Ukraine. **First record from the Czech Republic.**

***Ophiomyia vimmeri*** Černý, 1994

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 22.vi.–28.vii.2013, 1 ♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP). ITALY: Passo Nigra, 46°26'39"N, 11°35'18"E, 1700 m a.s.l., 2 ♂♂, 5.vii.2011, meadow and wood, M. Barták leg. (CMBP). LIECHTENSTEIN: Ruggell, 5 ♂♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Czech Republic, France (Černý & Merz 2007), Greece (Černý 2011a), Portugal (Černý *et al.* 2018), Slovakia, Spain (Černý & Merz 2006), Switzerland (Černý 2005a), Ukraine (Guglya 2011); Morocco (Černý & Merz 2006). **First records from Croatia, Italy and Liechtenstein.**

**SUBFAMILY: PHYTOMYZINAE**

***Amauromyza (Cephalomyza) karli*** (Hendel, 1927)

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 3 ♂♂, 22.vi.–28.vii.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP). SLOVAKIA: Kováčovské kopce, Štúrovo, 1 ♂, 6.vi.1960, P. Lauterer leg. (MZMB).

**Distribution:** Europe: Czech Republic, Finland (Kahanpää 2014), France, Germany, Greece (Černý 2011a), Hungary, Poland, Romania (Černý & Merz 2006), Spain (Černý & Merz 2006), Sweden (Zlobin 2005); Mongolia (Spencer 1977); Canada (Spencer 1969). **First records from Croatia and Slovakia.**

*Aulagromyza orphana* (Hendel, 1920)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium (Scheirs *et al.* 1999), Bulgaria (Černý & Merz 2006), Czech Republic, Denmark, France, Germany, Great Britain, Greece (Černý & Merz 2006), Hungary, Ireland, Netherlands, Poland, Portugal (Černý *et al.* 2018), Slovakia, Spain, Sweden (Zlobin 2005), Switzerland (Černý 2005a); Turkey. **First record from Kazakhstan.**

*Calycomyza artemisiae* (Kaltenbach, 1856)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy, Lithuania, Netherlands, Norway, Poland, Romania (Papp & Černý 2017), Slovakia, Spain, Sweden; China, Japan, North Korea (Černý 2007b), Uzbekistan (Černý & Merz 2006), Yakutia (Nartshuk & Bagachanova 2010); India, Nepal, Taiwan; Canada, United States. **First record from Kazakhstan.**

*Calycomyza flavomaculata* (Spencer, 1960)

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 2 ♂♂, 10.–24.v.2014, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Europe: Greece (Černý 2011a), Spain. **First record from Croatia.**

*Cerodontha (Butomomyza) angulata* (Loew, 1869)

**Material examined:** SLOVENIA: Dolnja Bitnja, 1 ♂, 2001, E. Haring leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium, Czech Republic, Denmark, Estonia, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Ireland, Italy, Latvia (Karpa 2007), Lithuania, Netherlands, Norway, Poland, Portugal (Černý *et al.* 2018), Romania, Slovakia, Sweden, Switzerland (Černý 2005a), the former Yugoslavia; Israel (Černý 2011b), Japan, Kuril Islands, North and South Korea (Černý 2007b), Turkey, Yakutia; Canada, United States; Guyana (Spencer 1990). **First record from Slovenia.**

*Cerodontha (Butomomyza) falcata* Černý in Papp & Černý 2016

**Material examined:** AUSTRIA: Styria, Leutschach, 1 ♂, 13.–16.vii.2001, G. Bächli leg. (UZIS).

**Distribution:** Europe: Czech Republic, Hungary. **First record from Austria.**

*Cerodontha (Cerodontha) denticornis* (Panzer, 1806)

**Material examined:** ALGERIA: Oum El Bouaghi, 35°52'37.2"N, 07°06'28.8"E, 930 m a.s.l., 1 ♂, April 2016, city park, pan traps, N. Baba-Aidsy leg. (CMBP). CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 2 ♂♂, 22.vi.–28.vii.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Common throughout most of Europe, known from the Central and East Palaearctic, Afrotropical and Oriental Regions (Černý 2005, 2007a, 2009b, Černý & Merz 2006, Černý & Vála 2006, Deeming 2006, Karpa 2007, Nartshuk & Bagachanova 2010, Papp & Černý 2016, Spencer 1974, 1976, 1981, 1990). **First records from Algeria and Croatia.**

***Cerodontha (Cerodontha) caucasica* Zlobin, 1979**

**Material examined:** BULGARIA: Rila Mts, Rila planina, SE basis, below the Kovač Mt., 2150–2350 m a.s.l., 1 ♂, 23.vii.1971, P. Lauterer leg. (MZMB).

**Distribution:** Europe: Russia. **First record from Bulgaria.**

***Cerodontha (Cerodontha) flavicornis* (Egger, 1862)**

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 2 ♂♂, 27.v.–22.vi.2013, 3 ♂♂, 10.–24.v.2014, 1 ♂, 8.–28.vi.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: Albania (Černý & Merz 2006), Andorra (Černý 2007a), Austria, Belgium, Dalmatia, France, Germany, Hungary, Italy, Montenegro (Spasić 1996), Poland, Russia, Spain, Switzerland. **First record from Croatia.**

***Cerodontha (Dizygomyza) caricicola* (Hering, 1926)**

**Material examined:** TURKEY: Toparlar, 36°59'27"N, 28°38'50"E, 8 m a.s.l., 2 ♂♂, 28.–30.iv.2016, lowland forest, sweeping and pan traps, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Austria, Czech Republic, Denmark, Estonia, Faroe Islands, France, Germany, Great Britain, Hungary, Latvia (Karpa 2007), Lithuania, Norway (Andersen 2012), Poland, Russia, Slovakia, Sweden (Zlobin 2005), Switzerland (Černý & Merz 2005); China, Japan, Mongolia, South Korea, Yakutia (Nartshuk & Bagachanova 2010). **First record from Turkey.**

***Cerodontha (Dizygomyza) crassiseti* (Strobl, 1900)**

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 11.viii.–15.ix.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP). TURKEY: Isparta Province, Kasnak Mesesi NP, 37°045'N, 30°33'E, 1050 m a.s.l., 1 ♂, 5.iii.2007, collector not stated (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria (?), Belgium, Czech Republic, France, Germany, Great Britain, Hungary, Italy, Poland, Spain, Switzerland (Černý 2005a); Israel (Černý 2011b). **First records from Croatia and Turkey.**

***Cerodontha (Dizygomyza) luctuosa* (Meigen, 1830)**

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). TURKEY: 8 km S of Çine, 37°32'34"N, 28°03'46"E, 68 m a.s.l., 1 ♂, 29.iv.–1.v.2016, river bank, sweeping, M. Barták & Š. Kubík leg. (CMBP). Toparlar, 36°59'27"N, 28°38'50"E, 8 m a.s.l., 1 ♂, 28.–30.iv.2016, lowland forest, sweeping and pan traps, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Albania (Černý & Merz 2006), Austria, Belarus, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Spain, Hungary, Ireland, Italy incl. Sicily, Latvia (Karpa 2007), Lithuania, Netherlands, Norway, Poland, Portugal (Gil-Ortiz *et al.* 2011), Russia, Slovakia (Černý 2012), Spain, Sweden, Switzerland (Černý 2005a), the former Yugoslavia; Tunisia; China, Iraq, Israel (Černý 2011b), Japan, Uzbekistan (Černý & Merz 2006); Canada, United States incl. Alaska. **First records from Kazakhstan and Turkey.**

***Cerodontha (Dizygomyza) suturalis* (Hendel, 1931)**

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). SPAIN: Embalse de Barbate, 36°24'10.8"N, 5°44'16.8"E, 55 m a.s.l., 1 ♂, 5.–9.v.2017, meadow and oak, sweeping and pan traps, M. Barták & Š. Kubík leg. (CMBP). TURKEY: Akyaka, 37°03'19"N, 28°20'07"E, 6 m a.s.l., 1 ♂, 28.iv.–8.v.2013, pasture, sweeping, M. Barták & Š. Kubík leg. (CMBP). Toparlar, 36°58'39"N, 28°39'30"E, 60 m a.s.l., 1 ♂, 5.–7.v.2013, lowland wood, sweeping, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Albania (Černý & Merz 2006), Austria, Belgium, Bulgaria, Czech Republic, Denmark, France (Černý & Merz 2006), Germany, Great Britain, Greece (Černý 2011a), Hungary, Lithuania, Madeira (Černý *et al.* 2018), Montenegro (Spasić 1996), Poland,

Slovakia, Sweden (Zlobin 2005), Switzerland (Černý 2009a); China, Cyprus (Černý & Vála 2006), Israel (Černý 2011b), Japan, Yakutia (Nartshuk & Bagachanova 2010). **First records from Kazakhstan, Spain and Turkey.**

***Cerodontha (Poemyza) alpina*** Nowakowski, 1967

**Material examined:** ITALY: Tirano, Province of Sondrio, 1 ♂, 29.vii.–3.viii.2000, B. Merz & G. Bächli leg. (UZIS).

**Distribution:** Europe: Austria, Czech Republic, Hungary, Poland, Slovakia, Switzerland (Černý 2005a). **First record from Italy.**

***Cerodontha (Poemyza) beigeriae*** Nowakowski, 1973

**Material examined:** CZECH REPUBLIC: Moravia, Jihlava-Pávov, 48°26'26"N, 15°35'44"E, 495 m a.s.l., 1 ♂, 6.vi.–5.vii.2009, wetland nr. pond, Malaise trap, M. Barták leg. (CMBP).

**Distribution:** Europe: Germany, Hungary, Poland, Sweden (Zlobin 2005), Switzerland (Černý 2005a); Asian Russia, Mongolia, North Korea (Černý 2007b). In the Czech Republic previously known from Bohemia (Černý & Vála 2005). **First record from Moravia.**

***Cerodontha (Poemyza) lateralis*** (Macquart, 1835)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 3 ♂♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Widespread throughout Europe, also recorded from Afghanistan, China, Japan, Tunisia, Turkey, Uzbekistan (Černý & Merz 2006), Yakutia (Nartshuk & Bagachanova 2010). **First record from Kazakhstan.**

***Cerodontha (Poemyza) lyneborgi*** Spencer, 1972

**Material examined:** SERBIA: Apatin, 2 ♂♂, 6.–8.ix.1989; Petnica, 3 ♂♂, 23.–26.v.1995, 1 ♂, 25.–29.vi.1995, all V. Kekić leg. (UZIS). TURKEY: 8 km S of Çine, 37°32'34"N, 28°03'46"E, 68 m a.s.l., 2 ♂♂, 29.iv.–1.v.2016, river bank, sweeping, M. Barták & Š. Kubík leg. (CMBP). Dalyan, 36°48'54"N, 28°39'04"E, 1 m a.s.l., 1 ♂, 8.–20.viii.2015, farm, Malaise trap, Dursun leg. (CMBP). Samsun, 41°22'N, 36°11'E, 3 ♂♂, 22.vi.–4.vii.2014, University campus, M. Barták & Š. Kubík leg. (CMBP). Toparlar, 36°59'27"N, 28°38'50"E, 8 m a.s.l., 1 ♂, 11.ix.2014, lowland forest, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Croatia (Černý 2009b), Czech Republic, France (Černý 2009b), Greece (Černý 2011a), Hungary, Italy, Lithuania, Russia, Spain, Switzerland (Černý 2005a); Uzbekistan (Černý & Merz 2006). **First records from Serbia and Turkey.**

***Cerodontha (Xenophytomyza) biseta*** (Hendel, 1920)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP). TURKEY: 2 km S of Nevsehîr Göre, 1 ♀, 12.v.1996, pasture, B. Mocek leg. (CMCH).

**Distribution:** Europe: Austria, Belgium (Scheirs *et al.* 1999), Bulgaria, Czech Republic, Estonia, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Latvia, Lithuania, Montenegro (Spasić 1996), Netherlands, Norway, Poland, Slovakia, Spain, Sweden, Switzerland; Japan; Canada, United States. **First records from Kazakhstan and Turkey.**

***Cerodontha (Xenophytomyza) leptophallus*** L. Papp in Papp & Černý, 2016

**Material examined:** CZECH REPUBLIC: Bohemia, Česká Lípa distr., CHKO Kokořínsko-Máchův kraj, Provodín, 50°37'N, 14°35'E, 1 ♂, 10.vi.–16.vii.2015, sand pit, L. Blažej leg. (CMBP). SPAIN: Embalse de Barbate, 36°24'10.8"N, 5°44'16.8"W, 55 m a.s.l., 1 ♂, 5.–9.v.2017, meadow and oak, sweeping and pan traps, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Hungary. **First records from the Czech Republic and Spain.**

***Chromatomyia isicae*** (Hering, 1962)

**Material examined:** FRANCE: Haute-Savoie, Salève, Téléphérique, 1100 m a.s.l., 1 ♂, 10.viii.2000, B. Merz & G. Bächli leg. (UZIS).

**Distribution:** Europe: Austria, Czech Republic, Finland (Griffiths 1980), Germany, Greece (Černý 2011a), Iceland (Griffiths 1980), Latvia (Pakalniškis 1994), Lithuania, Norway (Andersen & Jonassen 1994), Russia (Černý & Merz 2006), Slovakia, Sweden, Switzerland (Černý 2005a). **First record from France.**

***Chromatomyia milii*** (Kaltenbach, 1864)

**Material examined:** SLOVENIA: Dolnja Bitnja, 1 ♂, 2001, E. Haring leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belarus, Belgium, Bulgaria (Černý & Merz 2006), Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, Germany, Great Britain, Greece (Černý & Merz 2006), Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Montenegro (Spasić 1996), Norway, Poland, Portugal (Gil-Ortiz *et al.* 2011), Russia, Slovakia, Spain, Sweden, Switzerland; Turkey, Yakutia (Nartshuk & Bagachanova 2010); Taiwan (Sasakawa 2008); Canada. **First record from Slovenia.**

***Liriomyza balcanica*** (Strobl, 1898)

**Material examined:** FRANCE: Haute-Savoie, P. Salève, Observatoire, 700–900 m a.s.l., 1 ♂, 10.viii.2000, B. Merz & G. Bächli leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Bulgaria, Czech Republic, Germany, Hungary, Poland, Slovakia, Slovenia, Switzerland (Černý & Merz 2005), the former Yugoslavia; Japan, Turkey; South Africa. **First record from France.**

***Liriomyza bryoniae*** (Kaltenbach, 1858)

**Material examined:** ALGERIA: Ghardaia, 32°30'24"N, 03°37'43"E, 520 m a.s.l., 2 ♂♂, 24.–28.x.2015, B. Aissa leg. (CMBP).

**Distribution:** A polyphagous species recorded from the Palearctic and Oriental Regions, common in Europe. **First record from Algeria.**

***Liriomyza buhri*** Hering, 1937

**Material examined:** SPAIN: Embalse de Barbate, 36°24'10.8"N, 5°44'16.8"W, 55 m a.s.l., 1 ♂, 5.–9.v.2017, meadow and oak, sweeping and pan traps, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Czech Republic, Denmark, Estonia, Finland, France, Germany, Lithuania, Montenegro (Spasić 1996), Norway (Andersen 2016), Poland, Slovakia, Sweden; Turkey, Yakutia (Nartshuk & Bagachanova 2010). **First record from Spain.**

***Liriomyza congesta*** (Becker, 1903)

**Material examined:** AFGHANISTAN: Prov. Herat, Bala Murghab, 470 m a.s.l., 1 ♂, 21.–22.x.1964, 1 ♂, 28.x.1964, all O. Jakeš leg. (MZMB). LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Albania, Andorra (Černý 2007a), Austria, Belgium, Bulgaria, Croatia (Černý 2009b), Czech Republic, Denmark, Estonia, Finland, France incl. Corsica, Germany, Great Britain, Greece (Černý & Merz 2006), Hungary, Ireland, Italy incl. Sardinia, Latvia, Lithuania, Moldavia, Netherlands, Norway, Poland, Portugal (Černý 2013), Republic of Malta, Romania, Russia, Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland, the former Yugoslavia; Egypt, Tunisia; China, Cyprus, Iran, Iraq, Israel, Japan, Oman, South Korea, Turkey, Yakutia, Yemen, Uzbekistan; India. **First records from Afghanistan and Liechtenstein.**

*Liriomyza flaveola* (Fallén, 1823)

**Material examined:** SLOVENIA: Dolnja Bitnja, 1 ♂, 2001, E. Haring leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria (Lonsdale 2017), Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Ireland, Italy, Latvia (Karpa 2007), Lithuania, Monaco, Montenegro (Spasic 1996), Netherlands, Norway, Poland, Portugal (Černý 2013), Romania, Russia, Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland; Asian Russia, Kuril Islands (Iwasaki 2000), North Korea (Černý 2007b), Turkey, Uzbekistan; India; Canada, United States.

**First record from Slovenia.**

*Liriomyza gudmanni* Hering, 1928

**Material examined:** SLOVAKIA: Závod distr. Malacky, Abrod (Nature Reserve), 1 ♀, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, G. Bächli leg., M. von Tschirnhaus det. (CMTB).

**Distribution:** Europe: Denmark, Germany, Hungary (Papp & Černý 2017), Norway (Andersen & Jonassen 1994), Poland. **First record from Slovakia.**

*Liriomyza hampsteadensis* Spencer, 1971

**Material examined:** SLOVAKIA: Závod distr. Malacky, Abrod (Nature Reserve), 2 ♂♂, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, M. von Tschirnhaus leg. et det. (CMTB).

**Distribution:** Europe: Belgium, Czech Republic, Germany, Great Britain, Greece (Černý 2011a), Hungary (Papp & Černý 2017), Italy (Černý 2013), Lithuania; Egypt (Černý 2013).

**First record from Slovakia.**

*Liriomyza intonsa* Spencer, 1976

**Material examined:** ALGERIA: Oum El Bouaghi, 35°52'37.2"N, 07°06'28.8"E, 930 m a.s.l., 1 ♂, April 2016, city park, pan traps, N. Baba-Aidsy leg. (CMBP).

**Distribution:** Europe: Bulgaria (Černý & Merz 2006), Croatia (Gibbs & von Tschirnhaus 2016), Czech Republic, Denmark, France, Germany, Great Britain (Gibbs & von Tschirnhaus 2016), Greece (Černý 2011a), Hungary (Papp & Černý 2017), Lithuania, Romania (Papp & Černý 2017), Switzerland (Černý 2013), Spain and Sweden (Zlobin 2005). **First records from Algeria.**

*Liriomyza lutea* (Meigen, 1830)

**Material examined:** SLOVAKIA: Prievidza, 1 ♀, viii.1991, sweeping, D. Petzold leg., M. von Tschirnhaus det. (CMTB). Závod distr. Malacky, Abrod (Nature Reserve), 1 ♀, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, M. von Tschirnhaus leg. et det. (CMTB).

**Distribution:** Europe: Belarus, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia (Karpa 2007), Lithuania, Netherlands, Norway (Andersen 2016), Poland, Russia, Spain, Sweden, Switzerland (Černý 2005a); China, Turkey (Çikman & Sasakawa 2011). **First record from Slovakia.**

*Liriomyza orbona* (Meigen, 1830)

**Material examined:** SLOVAKIA: Strážovské vrchy Mts, NE from Mojtn, 48°59'15"N, 18°25'10"E, 570 m a.s.l., 1 ♂, 20.v.2017, vegetation along forest road, M. Černý leg. (CMCH).

**Distribution:** Europe: Austria, Czech Republic, Dalmatia (Spasić & Spencer 1992), Denmark, Finland, France, Germany, Great Britain, Greece incl. Crete, Hungary, Ireland, Italy incl. Sicily, Lithuania, Netherlands, Norway (Andersen & Jonassen 1994), Poland, Portugal incl. the Madeira (Černý *et al.* 2018), Republic of Malta, Spain incl. the Canary Islands, Sweden, Switzerland, the former Yugoslavia; Egypt, Tunisia; Azerbaijan, Cyprus, Iraq, Turkey. **First record from Slovakia.**

*Liriomyza pedestris* Hendel, 1931

**Material examined:** EGYPT: Alexandria, 18 ♂♂, 8.–9.iii.1978; Cairo, 11 ♂♂, 28.–29.iii.1978, all G. Bächli leg. (UZIS).

**Distribution:** Europe: Austria, Corsica (Černý & Merz 2006), Czech Republic, Denmark, Finland, Germany, Great Britain, Greece (Zlobin 2003), Hungary, Italy incl. Sicily, Montenegro (Spasić 1996), Norway, Portugal (Černý *et al.* 2018), Republic of Malta, Russia (Zlobin 2003), Slovakia (Vála & Černý 2009), Spain, Sweden, Switzerland (Černý & Merz 2007), Ukraine (Zlobin 2003); Morocco; Asian Russia – Kamchatka, Cyprus, Iran, Israel, Saudi Arabia, Turkey, Uzbekistan. **First record from Egypt.**

*Liriomyza ptarmicae* de Meijere, 1925

**Material examined:** LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Belarus, Czech Republic, Estonia, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy (Černý 2006) incl. Sicily, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal (Gil-Ortiz *et al.* 2011), Slovakia, Sweden, Switzerland (Černý 2009b); Canada, United States; China, Japan, Yakutia. **First record from Liechtenstein.**

*Liriomyza pusilla* (Meigen, 1830)

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 4 ♂♂, 27.iv.–10.v.2014, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Europe: Albania, Austria, Belgium, Czech Republic, Denmark, Finland, France incl. Corsica, Hungary (Papp & Černý 2017), Germany, Great Britain, Greece (Černý 2011a), Ireland, Italy incl. Sicily, Lithuania, Moldavia, Netherlands, Norway, Poland, Romania, Russia, Slovakia, Spain, Sweden, Switzerland (Černý & Merz 2005), the former Yugoslavia; Egypt, Tunisia; China, Iran, Japan, North and South Korea, Turkey; Sri Lanka, Taiwan. **First record from Croatia.**

*Liriomyza solivaga* Spencer, 1971

**Material examined:** BULGARIA: Rila Mts, Rila planina, SE basis, below the Kovač Mt., 2150–2350 m a.s.l., 1 ♂, 23.vii.1971, P. Lauterer leg. (MZMB).

**Distribution:** Europe: France, Great Britain, Spain (Papp & Černý 2017). **First record from Bulgaria.**

*Liriomyza virgula* Frey, 1946

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Belarus, Belgium (Scheirs *et al.* 1995), Czech Republic (Černý *et al.* 2001), Estonia, Finland, France, Germany, Hungary (Papp & Černý 2017), Latvia (Karpa 2007), Lithuania, Norway (Andersen 2016), Slovakia (Vála & Černý 2009), Switzerland (Černý & Merz 2007); Turkey (Civelek *et al.* 2009). **First record from Kazakhstan.**

*Metopomyza laeta* Sasakawa, 1955

**Material examined:** CZECH REPUBLIC: Bohemia, Vráž near Písek, 49°24'08"N, 14°07'08"E, 430 m a.s.l., 3 ♂♂, 18.vii.–22.viii.2008, alder forest, Malaise trap, M. Barták leg. (CMBP).

**Distribution:** Europe: France, Germany; Japan, Asian Russia, East Siberia, Far East (Zlobin 1995). In the Czech Republic previously known from Moravia (Černý 2009b). **First record from Bohemia.**

*Metopomyza junci* von Tschirnhaus, 1981

**Material examined:** SLOVAKIA: Závod distr. Malacky, Abrod (Nature Reserve), 1 ♀, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, M. von Tschirnhaus leg. et det. (CMTB).

**Distribution:** Europe: Denmark, Germany, Hungary (Papp & Černý 2017), Lithuania, Netherlands, Poland. **First record from Slovakia.**

*Metopomyza scutellata* (Fallén, 1823)

**Material examined:** IRAN: Rast, 2 ♂♂, 28.–29.vi.1962, W. Götz leg. (UZIS). LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Albania (Černý & Merz 2006), Andorra (Černý 2007a), Belarus, Croatia (Černý 2009b), Czech Republic, Denmark, Estonia, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy (Černý 2006), Latvia (Karpa 2007), Lithuania, Norway (Andersen 2012), Poland, Portugal (Černý *et al.* 2018), Republic of Malta (Černý 2005b), Russia, Slovakia, Spain (Černý & Merz 2006), Sweden, Switzerland (Černý 2005a), the former Yugoslavia; Asian Russia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkey, Uzbekistan (Černý & Merz 2006). **First records from Iran and Liechtenstein.**

*Napomyza bellidis* Griffiths, 1967

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 22.vi.–28.vii.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP). KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Belgium (Scheirs *et al.* 1999), Bulgaria (Černý 2009b), Czech Republic, Estonia, Finland, France, Germany, Great Britain, Greece (Černý & Merz 2006), Hungary, Lithuania, Portugal incl. the Azores (Černý *et al.* 2018), Republic of Malta (Černý 2005b), Russia, Slovakia (Černý 2012), Sweden, Switzerland (Černý 2005a), Ukraine; Israel (Černý 2009b), Japan, Kyrgyzstan, Tajikistan, Turkey, Uzbekistan. **First records from Croatia and Kazakhstan.**

*Napomyza carotae* Spencer, 1966

**Material examined:** SLOVAKIA: Strážovské vrchy Mts, E from Mojtn, 48°58'56"N, 18°25'00"E, 650 m a.s.l., 1 ♂, 20.v.2017, mountain meadow, vegetation near stream; SE from Mojtn, 48°58'54"N, 18°25'00"E, 665 m a.s.l., 1 ♂, 20.v.2017, mountain meadow, edge of mixed forest, all M. Černý leg. (CMCH).

**Distribution:** Europe: Belarus, Belgium, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Latvia, Lithuania, Netherlands, Republic of Malta, Russia, Spain, Sweden, Switzerland; Asian Russia, Kyrgyzstan, Turkey. **First record from Slovakia.**

*Phytobia cambii* (Hendel, 1931)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Latvia, Lithuania, Netherlands, Poland, Portugal (Černý *et al.* 2018), Romania, Slovakia (Papp 2009), Sweden. **First record from Kazakhstan.**

*Phytoliriomyza hilarella* (Zetterstedt, 1848)

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 27.v.–22.vi.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP).

**Distribution:** Europe: Austria, Denmark, Finland, Germany, Great Britain, Ireland, Italy (Černý 2006), Latvia (Karpa 2007), Lithuania, Netherlands, Norway (Andersen & Jonassen 1994), Poland, Slovakia, Slovenia (Papp & Černý 2017), Sweden. **First record from Croatia.**

*Phytoliriomyza immoderata* Spencer, 1963

**Material examined:** TURKEY: Mugla, 37°09'38"N, 28°22'11"E, 730 m a.s.l., 1 ♂, ix.2015–iv.2016, University campus, Malaise trap, M. Barták & Š. Kubik leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Greece (Černý 2011a), Portugal (Černý *et al.* 2018), Sardinia (Černý 2006), Serbia, Spain (Černý & Merz 2006); Morocco (Černý & Merz 2006), South Africa. **First record from Turkey.**

***Phytoliriomyza melampyga*** (Loew, 1869)

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary (Papp 2003), Ireland, Italy (Černý 2006), Netherlands, Norway, Poland, Romania, Slovakia, Sweden, Switzerland; Canada, United States; India. **First record from Kazakhstan.**

***Phytoliriomyza scotica*** Spencer, 1962

**Material examined:** SLOVAKIA: Závod distr. Malacky, Abrod (Nature Reserve), 1 ♀, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, G. Bächli leg., M. von Tschirnhaus det. (CMTB).

**Distribution:** Europe: Czech Republic (Černý 2013), France, Germany, Great Britain, Hungary (Papp & Černý 2017), Portugal incl. Madeira; Canary Islands. **First record from Slovakia.**

***Phytoliriomyza venustula*** Spencer, 1976

**Material examined:** CZECH REPUBLIC: Moravia, Huštěnovice, PP Huštěnovická ramena (Res.), Výrovka - dead river channel, 49°05'56.2"N, 17°29'02.2"E, 180 m a.s.l., 1 ♂, 29.viii.2018, bank vegetation, sweeping, M. Černý leg. (CMCH).

**Distribution:** Europe: Denmark, Germany, Great Britain, Hungary (Papp & Černý 2017), Lithuania, Poland, Norway. **First record from the Czech Republic.**

***Phytomyza aconiti*** Hendel, 1920

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Belgium (Mortelmans *et al.* 2014), Czech Republic, Denmark, France, Germany, Great Britain, Lithuania (Pakalniškis 2004), Netherlands, Poland, Russia, Sweden; Japan; Canada, United States. **First record from Kazakhstan.**

***Phytomyza adjuncta*** Hering, 1928

**Material examined:** SERBIA: Petnica, 1 ♂, 23.–26.v.1995, V. Kekić leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Lithuania, Montenegro (Spasić 1996), Netherlands, Norway, Poland, Romania, Slovakia (Černý 2012), Sweden, Switzerland. **First record from Serbia.**

***Phytomyza aquilegiae*** Hardy, 1849

**Material examined:** AUSTRIA: Wien-Hadersdorf, 1 ♂, 1999, E. Haring leg. (UZIS).

**Distribution:** Europe: Belgium, Bulgaria, Czech Republic (Černý & Vlk 2001), Finland, France, Germany, Great Britain, Ireland (Gotfray 2010), Latvia (Karpa 2008), Lithuania, Netherlands, Norway, Poland, Romania, Slovakia, Sweden, Switzerland, the former Yugoslavia; Kazakhstan, Kyrgyzstan. **First record from Austria.**

***Phytomyza clematisella*** Spencer, 1986

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 27.v.–22.vi.2013, 3 ♂♂, 22.vi.–28.vii.2013, 2 ♂♂, 8.–28.vi.2014, 6 ♂♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: France (Černý 2009b), Greece (Černý 2011a); Canada, United States. **First record from Croatia.**

*Phytomyza crassiseta* Zetterstedt, 1860

**Material examined:** LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Andorra (Černý 2007a), Austria (Franz 1989), Belarus, Bulgaria, Croatia (Černý & Merz 2006), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Ireland, Italy, Latvia, Lithuania, Montenegro (Spasić 1996), Netherlands, Norway, Poland, Portugal (Černý 2009b), Romania, Russia, Slovakia, Spain incl. the Canary Islands, Sweden, Switzerland (Černý 2005a); Japan, Turkey (Civelek *et al.* 2009), Yakutia (Nartshuk & Bagachanova 2010); United States; Argentina, Chile. **First record from Liechtenstein.**

*Phytomyza dalmatiensis* (Spencer, 1961)

**Material examined:** CROATIA: Gorni Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 27.v.–22.vi.2013, 1 ♂, 8.–28.vi.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: Dalmatia, France (Černý & Merz 2007), Greece (Černý 2011a). **First record from Croatia.**

*Phytomyza lycopi* Nowakowski, 1959

**Material examined:** CZECH REPUBLIC: Moravia, Huštěnovice, PP Huštěnovická ramena (Res.), Výrovka - dead river channel, 49°06'02,3"N, 17°28'54,9"E, 180 m a.s.l., 2 ♂♂, 10.vii.2018, bank vegetation, sweeping, M. Černý leg. (CMCH).

**Distribution:** Europe: Albania, Bulgaria, Denmark, Germany, Hungary, Lithuania, Poland, Slovakia. In the Czech Republic previously known from Bohemia (Černý *et al.* 2001, 2013). **First record from Moravia.**

*Phytomyza minuscula* Goureau, 1851

**Material examined:** AUSTRIA: Wien-Hadersdorf, 1 ♂, 1999, E. Haring leg. (UZIS).

**Distribution:** Europe: Belgium, Bulgaria, Czech Republic (Černý & Heřman 2015), Denmark, Finland, France, Germany, Great Britain, Ireland, Lithuania, Netherlands, Norway, Poland, Slovakia (Černý *et al.* 2006), Spain, Sweden, Switzerland; Iran (Dousti 2010), Japan. **First record from Austria.**

*Phytomyza notata* Meigen, 1830

**Material examined:** ROMANIA: Brezoi, 6 km W, meadow near river, 45°22'N, 24°10'E, 1 ♂, 23.vii.1987, M. Barták leg. (CMBP).

**Distribution:** Europe: Belarus, Bulgaria (Černý 2013), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Italy, Latvia (Karpa 2007), Lithuania, Poland, Russia, Serbia (Černý & Merz 2006), Slovakia (Černý & Vála 2005), Sweden, Switzerland. **First record from Romania.**

*Phytomyza petoei* Hering, 1924

**Material examined:** KAZAKHSTAN: Almaty reg., Kazstroj, 43°17'26"N, 77°18'22"E, 1240 m a.s.l., 1 ♂, 21.v.–30.viii.2013, Malaise trap, O. Nakládal leg. (CMBP).

**Distribution:** Europe: Belgium (Mortelmans *et al.* 2014), Bulgaria, Czech Republic (Černý *et al.* 2001), Denmark (Petersen & von Tschirnhaus 2001), France incl. Corsica, Germany, Great Britain, Greece (Černý 2011a), Lithuania, Poland, Romania, Russia (Strachova *et al.* 2013), Slovakia (Černý *et al.* 2006), Spain, Switzerland, the former Yugoslavia; Cyprus (Černý & Vála 2006), Kyrgyzstan, Uzbekistan (Černý & Merz 2006), Turkey; India. **First record from Kazakhstan.**

*Phytomyza plantaginis* Robineau-Desvoidy, 1851

**Material examined:** ALGERIA: El Harrach, 36°42'57.6"N, 03°09'18"E, 20 m a.s.l., 3 ♂♂, 2.–6.vi.2016, city vegetation, pan traps, N. Baba-Aidsy leg. (CMBP). Oum El Bouaghi, 35°52'37.2"N, 07°06'28.8"E, 930 m a.s.l., 5 ♂♂, April 2016, city park, pan traps, N. Baba-Aidsy leg. (CMBP).

**Distribution:** The species known from Holarctic, Neotropical, Oriental and Australian Regions, is a common occurrence in Europe. **First record from Algeria.**

*Phytomyza ranunculicola* Hering, 1949

**Material examined:** LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe: Austria, Belarus, Czech Republic, Denmark, Estonia, France, Germany, Great Britain (Gibbs 2006), Italy (Černý 2013), Lithuania, Poland, Norway (Andersen 2013), Slovakia, Switzerland (Černý 2005a). **First record from Liechtenstein.**

*Phytomyza rhabdophora* Griffiths, 1964

**Material examined:** SPAIN: Embalse de Barbate, 36°29'55.08"N, 5°44'16.8"W, 55 m a.s.l., 1 ♂, 5.–9.v.2017, meadow and oak, sweeping, M. Barták & Š. Kubík leg. (CMBP).

**Distribution:** Europe: Albania (Černý & Merz 2006), Czech Republic, Denmark, Estonia, Finland, Germany, Great Britain, Ireland, Italy (Černý 2006), Lithuania, Montenegro (Spasić 1996), Norway (Andersen 2013), Poland, Russia (Černý & Merz 2006), Slovakia, Sweden, Switzerland (Černý 2005a); Turkey. **First record from Spain.**

*Phytomyza robustella* Hendel, 1936

**Material examined:** SLOVAKIA: Strážovské vrchy Mts, SE from Mojtín, 48°58'48"N, 18°25'07"E, 680 m a.s.l., 1 ♂, 20.v.2017, mountain meadow, vegetation near stream, M. Černý leg. (CMCH).

**Distribution:** Europe: Austria, Czech Republic, Estonia, France, Germany, Great Britain, Hungary, Italy, Russia, Sweden (Zlobin 2005), Switzerland (Černý & Merz 2007). **First record from Slovakia.**

*Phytomyza rufescens* von Roser, 1840

**Material examined:** SPAIN: Noguera, 2 ♂♂, 3.–6.viii.1980, W. Shacht leg. (UZIS).

**Distribution:** Europe: Austria, Czech Republic, Finland, Germany, Great Britain, Lithuania, Norway, Poland, Sweden; Turkey. **First record from Spain.**

*Pseudonapomyza atra* (Meigen, 1830)

**Material examined:** LIECHTENSTEIN: Ruggell, 1 ♂, 8.viii.1998, G. Bächli leg. (UZIS).

**Distribution:** Europe (Papp & Černý 2017); Cape Verde, Egypt, Tunisia (Černý 2009b); Cyprus (Černý & Vála 2006), Iran (Dousti 2010), Israel (Černý 2009a), Kazakhstan, Kyrgyzstan, Mongolia, Russia – Yakutia (Nartshuk & Bagachanova 2010), Tajikistan, Turkey, Turkmenistan, Uzbekistan; India; Canada, United States. **First record from Liechtenstein.**

*Pseudonapomyza errata* Zlobin, 1993

**Material examined:** GERMANY: Baden-Württemberg, Oberbergen, 1 ♂, 28.v.2011, G. Bächli leg. (UZIS).

**Distribution:** Europe: Czech Republic, France, Hungary (Černý 2001), Poland, Russia, Sweden (Zlobin 2005), Switzerland (Černý 2005a); East Siberia, Uzbekistan, Mongolia. **First record from Germany.**

*Pseudonapomyza europaea* Spencer, 1973

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 2 ♂♂, 28.vii.–11.viii.2013, 1 ♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP).

**Distribution:** Europe: Andorra (Černý 2007a), Austria, Belgium, Bulgaria (Černý & Merz 2006), Czech Republic, Denmark (Petersen & von Tschirnhaus 2001), Estonia, Finland (Černý & Merz 2006), France, Germany, Great Britain, Greece (Černý 2011a), Hungary, Italy, Lithuania, Macedonia, Norway (Andersen & Jonassen 1994), Poland, Portugal (Černý *et al.* 2018), Romania, Serbia, Slovakia, Slovenia, Spain, Sweden (Zlobin 2005), Switzerland, Ukraine; Japan (Černý 2005c), Iran (Ranji *et al.* 2015), Turkey (Černý 2005c); Canada, United States (Boucher 2004). **First record from Croatia.**

***Pseudonapomyza hispanica* Spencer, 1973**

**Material examined:** MONTENEGRO: Radoviči, Horiz. Biagovo, macchia, 10–40 m a.s.l., 1 ♂, 17.x.1982, P. Lauterer leg. (MHNG)

**Distribution:** Europe: Austria, Greece incl. Crete and Corfu (Černý 2013), France, Italy, Madeira (Černý *et al.* 2018), Spain; Cyprus (Černý & Vála 2006), Israel, Turkey; Gambia, Nigeria, Sierra Leone, Tanzania (Černý & von Tschirnhaus 2014), Yemen (Deeming 2006), Zambia. **First record from Montenegro.**

***Pseudonapomyza palliditarsis* Černý, 1992**

**Material examined:** SLOVAKIA: Závod distr. Malacky, Abrod (Nature Reserve), 1 ♂, 1.ix.1990, swampy meadow east of the river Morava, close to railway station and highway, M. von Tschirnhaus leg. et det. (CMTB).

**Distribution:** Europe: Bulgaria (Černý & Merz 2006), Czech Republic, Hungary (Černý 2001), Poland, Spain (Gil-Ortiz *et al.* 2012), Russia, Ukraine; Uzbekistan (Černý 2005c), Russia - Yakutia (Nartshuk & Bagachanova 2010). **First record from Slovakia.**

***Pseudonapomyza strobliana* Spencer, 1973**

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 27.v.–22.vi.2013, 4 ♂♂, 29.vi.–20.vii.2014, abandoned garden, Malaise trap, all B. Kokan leg. (CMBP); Split Marjan, 2 ♂♂, 6.–13.ix.1973, yellow pan traps, T. Tischler leg., M. von Tschirnhaus det. (CMTB).

**Distribution:** Europe: Andorra (Černý 2007a), Bulgaria (Černý 2005c), Czech Republic, France, Germany, Greece (Černý 2011a), Hungary, Poland, Spain, Sweden (Černý 2005c), Switzerland (Černý 2005a), Ukraine; Turkey (Černý 2005c). **First record from Croatia.**

***Pseudonapomyza vota* Spencer, 1973**

**Material examined:** CROATIA: Gornji Muć, 43°41'27"N, 16°29'44"E, 500 m a.s.l., 1 ♂, 28.vii.–11.viii.2013, abandoned garden, Malaise trap, B. Kokan leg. (CMBP); Split Marjan, 2 ♂♂, 12.ix.1973, light trap, T. Tischler leg., M. von Tschirnhaus det. (CMTB). TURKEY: Mugla, 37°09'38"N, 28°22'11"E, 730m a.s.l., 2 ♂♂, 5.–19.viii.2015, University campus, Malaise trap, H. Kavak leg. (CMBP).

**Distribution:** Europe: France, Greece (Černý & Merz 2006), Hungary (Černý & Merz 2006), Italy (Černý 2006), Portugal (Černý & Merz 2006), Republic of Malta (Černý 2005b), Serbia (Černý & Merz 2006), Spain, Switzerland (Černý 2005a). **First records from Croatia and Turkey.**

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