

# A checklist of the Auchenorrhyncha of Belarus (Hemiptera, Fulgoromorpha et Cicadomorpha)

Oleg Borodin<sup>1</sup>

**Kurzfassung:** Artenliste der Zikaden von Weissrussland. – Es wird eine Artenliste der Zikaden von Weißrußland präsentiert, mit Angaben zu Vorkommen in einzelnen Regionen, Habitat- und Feuchtepräferenzen, Lebensformen der Nährpflanzen und Phänologie. Die Liste enthält 331 Arten aus 10 Familien.

**Abstract:** A checklist of the Auchenorrhyncha species of Belarus is provided, with data of their occurrence in geographic provinces, habitat and moisture preferences, life forms of food plants, and phenology. The list includes 331 species belonging to 10 families.

**Key words:** Auchenorrhyncha, checklist, Belarus, phytophagous insects

## 1. Introduction

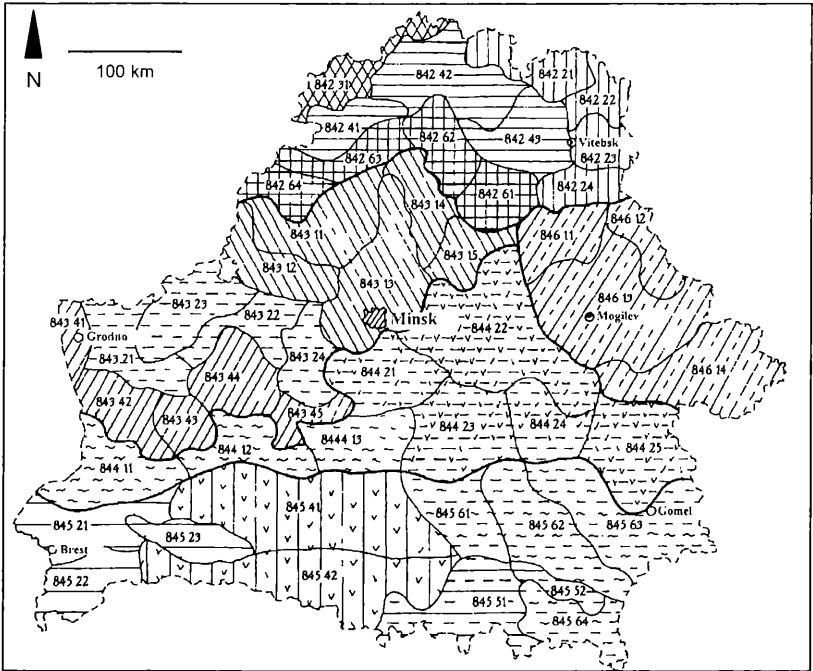
For a long time the Auchenorrhyncha have been one of the least studied insect groups of Belarus. Nast (1972, 1987) lists only 7 species for the whole country, although early studies were carried out in 1925-1926 (Yazentkovskij 1925; Bryanzev 1926; Solowiew 1926). These works, including a number of successive studies carried out through the Belorussian Agricultural Academy (Dubrovskaya & Kovaleva 1970; Kovaleva 1970) and the Institute of Plant Protection have applied character and include only a few species which are important for agriculture. Other studies contain information about Auchenorrhyncha communities (Yakimovich 1982; Chumakov 1986). Furthermore, some species were recorded by foreign colleagues, e.g. *Cicadella lasiocarpae* Oss. (Dmitriev 1998), *Coryphaeus gyllenbalii* (Fall.) and *Anakelesia fasciata* (Kbm.) (Nast 1976). The total number of published species in all these papers is only 71. The present paper provides an up-to-date checklist based on new studies and collections carried out by the author since 1998, mainly in western and central parts of the country.

## 2. Material, methods, study area

Most of the material was collected by the author by sweep-netting. In addition, a few catches of pitfall and water traps were determined. The total number of determined specimens is about 45.000. The material is kept on thin layers of cotton. Furthermore, data of the following colleagues, to whom the author is much indebted, were integrated: T. P. Smirnova (Institute of Zoology NAS B) – 1987, 1989; S.V. Buga (BSU) – 1998-2003; A.O. Lukashuk (Berezensky State Biosphere Reserve) – 1992, 1995, 1997-2000; V.M. Karasev (Institute of Zoology NAS B) – 1993; L.S. Chumakov (Republican Ecological Student Centre) – 1995-2003, J. E. Meleshko (BSU) – 2001-204, V.A. Tsinkevich (BSU) – 2000, V.G. Nepchalovich (BSU) – 1995-2002, and E. E. Shestakov (BSPU) – 1998-2002. Finally the collections of the Zoological Museum of BSU and Zoological University (both Belarus, Minsk) were checked.

According to the European decimal system of zoning (see Martinkevich *et al.* 2001) the territory of Belarus can be divided into 5 provinces, 14 okrugs and 49 districts (Fig. 1). It covers an area of 207,600 sq km, situated in the transitional zone of European deciduous and north Eurasian coniferous forests.

<sup>1</sup> Oleg Borodin, Belorussian State University, Faculty of Biology, Department of Zoology, 220050, Minsk, F. Skorina 4, Belarus, borodoi@bsu.by, bor-ol103@mail.ru



**Fig. 1: Geographical division of Belarus, European decimal system of zoning (Martinkevich *et al.* 2001).** Poozerskaya Province (842): Okrug Vitebskoe Poozerye (842.2) – Neshcherodovsko-Gorodokskaya upland (842.21), Surazhskaya lowland (842.22), Vitebskaya upland (842.23), Luchosskaya lowland (842.24); Okrug Braslavskoe Poozerye (842.3) – Osvejsko-Braslavskaya upland (842.31); Okrug Podvinje (842.4) – Disnenskaya lowland (842.41), Polotskaya lowland (842.42), Shumilinskaya plain (842.43); Okrug Narochano-Ushachskoe Poozerye (842.6) – Chashnikskaya plain (842.61), Ushachsko-Lepelskaya upland (842.62), Sventsyanskaya upland (842.63), Narochanskaya lowland (842.64). West Belorussian Province (843): Central okrug of Belorussian upland (843.1) – Vilejskaya lowland (843.11), Oshmyanskaya upland (843.12), Minskaya upland (843.13), Verkhneberezinskaya lowland (843.14), Borisovskaya high plain (843.15); Okrug Ponemanye (843.2) – Srednenemanskaya lowland (843.21), Verkhnenemanskaya lowland (843.22), Lidskaya plain (843.23), Stolbstovskaya plain (843.24); South-west okrug of Belorussian upland (843.4) – Grodnenskaya upland (843.41), Volkovskaya upland (843.42), Slonimskaya high plain (843.43), Novogrudskaya upland (843.44), Kopylskaya ridge (843.45). Predpolesskaya Province (844): Okrug West Predpolesje (844.1) – Pruzhanskaya plain (844.11), Baranovichskaya plain (844.12), Slutskaya plain (844.13); Okrug East Predpolesje (844.2) – Pukhovichskaya plain (844.21), Tsentralno-Berezinskaya plain (844.22), Bobrujskaya plain (844.23), Olavskaya plain (844.24), Cherskaya plain (844.25). Polesskaya Province (845): Okrug Brestskoe Polesje (845.2) – Vysockovskaya plain (845.21), Maloritskaya plain (845.22), Zagorodje plain (845.23); Okrug Pripyatskoe Polesje (845.4) – Yaselda-Sluchskaya lowland (845.41), Srednepripyatskaya low-

### 3. Results

The list gives species records for the geographic regions of Belarus. Identification was carried out after Ribaut (1936, 1952), Logvinenko (1975) and Ossiannilsson (1978, 1981, 1983). Nomenclature follows Nast (1972, 1987). All previously published data are listed with references. Habitat and moisture preference and life form of host plants are given as abbreviation, adopting the classification of Anufriev & Kirillova (1998) – see below.

**Habitat preferences:** B = Bogs; F = Forest; G = Grassland; W = Wetland

**Moisture requirements:**

Hygrophilous	Eh	= Euhydrophilous – on hydrophytes
	Mh	= Mesohydrophilous – in waterside and boggy habitats
Mesophilous	Hm	= Hygromesophilous – in moist meadows and forests
	Em	= Eumesophilous – in damp sites
	Xm	= Xeromesophilous – in dry grassland, dry pine forest
Xerophilous	Mx	= Mesoxerophilous – in steppes and other dry sites
	Ex	= Euxerophilous – in semi-deserts, deserts. Not found in Belarus

**Life form of host plants** (combinations possible, e.g. DTb = Dendro-tamnobiotic):

Db	= Dendrobionic – on trees	Tb	= Tamnobiotic – on bushes
Chm	= Chamaebiotic – on dwarf shrubs	Chb	= Chortobiotic – on herbs
Hb	= Hydatobiotic – on water plants		

**References:**

B1 = Borodin (1997)	C = Chumakov (1986)
B2 = Borodin (1999a)	CB = Chumakov & Borodin (2001)
B3 = Borodin (1999b)	D = Dmitriev (1998)
B4 = Borodin (1999c)	DK = Dubrovskaya & Kovaleva (1970)
B5 = Borodin (2001)	M = Meleshko <i>et al.</i> (2004)
B6 = Borodin (2002a)	N1 = Nast (1976)
B7 = Borodin (2002b)	N2 = Nast (1987)
BB1 = Buga & Borodin (1999)	SY = Samersov & Yakimovich (1976)
BB2 = Borodin & Buga (2003)	Y = Yakimovich (1986)

**Fig. 1 (continued):**

land (845.42); Okrug Mozhyrskoe Polesje (845.5) – Mozhyrsko-Lelchistkaya plain (845.51), Hojniksko-Braginskaya high plain (845.52); Okrug Gomelskoe Polesje (845.6) – Kopatkevichskaya plain (845.61), Vasilevichskaya lowland (845.62), Rechistko-Sozhskaya plain (845.63), Komarinskaya lowland (845.64). East Belorussian Province (846): Okrug Podneprovje (846.1) – Orshanskaya upland (846.11), Gorestko-Mstislavskaya high plain (846.12), Orshansko-Mogilevskaya plain (846.13), Kostjukovichskaya plain (846.14).

## Fulgoromorpha

### Family Cixiidae

*Cixius cunicularius* (Linnaeus, 1767) – Belarus (N2); 843.11, 843.14 (B6). 843.21, 843.22, 843.45; 844.21. F, Em, DTb. VII-VIII.

*Cixius distinguendus* Kirschbaum, 1868 – 843.21, 843.42. G-F, Em, DTChm. VIII-IX.

*Cixius nervosus* (Linnaeus, 1758) – Belarus (N, B3, B4, M); 842.41 (CB), 843.11-15 (B6); 845.41 (B2). 843.21-24, 843.41-45; 842.61, 842.64; 844.12, 844.21; 845.61, 845.62. F, Em, DTb. VI-IX.

*Cixius similis* Kirschbaum, 1868 – Belarus (B3, B4); 842 (BB1), 843.11-15 (B6). 842.64; 843.21-24, 843.41-45; 844.21; 845.41, 845.52; 846.13. B-F, Mh-Hm, DTb. V-VI, VIII.

*Cixius simplex* (Herrich-Schäffer, 1835) – 843.13. F, Em, DTb. VII.

*Myndus musivus* (Germar, 1825) – 843.13 (B6). 843.23, 843.24, 843.44; 844.21; 846.13. G-F, Hm, DTb. VII-VIII.

*Pentastiridius leporinus* (Linnaeus, 1761) – 843.11-13 (B6). 843.15, 843.21, 843.44; 845.21, 845.41; 846.11. W-G, Mh-Em, Chb. V-VIII.

### Family Delphacidae

#### Subfamily Asiracinae

*Asiraca clavicornis* (Fabricius, 1794) – 845.51. G-F, Hm-Xm, Chb. VII.

#### Subfamily Kelisiinae

*Kelisia guttula* (Germar, 1818) – 843.12, 843.13 (B6). 843.21-24, 843.41-45; 845.41. G-F, Hm-Xm, Chb. VII-IX.

*Kelisia monoceros* Ribaut, 1934 – 843.11, 843.14 (B6). 843.21, 843.22; 846.11, 846.13. G-F, Em-Xm, Chb. VII-VIII.

*Kelisia pallidula* (Boheman, 1847) – 843.11-15 (B6); 845.41 (SY). 843.21-24, 843.41-45; 844.21; 846.13, 846.14. B-G, Mh-Hm, Chb. VII-IX.

*Kelisia ribanti* W. Wagner, 1938 – 842.41 (CB); 843.13, 843.15 (B6). 843.21-24, 843.41-45; 844.21; 845.41. W-B-G-F, Hm-Em, Chb. VIII.

*Kelisia vittipennis* (J. Sahlberg, 1868) – 843.11-15 (B6). 843.21-24, 843.41-45; 844.13, 844.21; 845.41. B-G, Hm, Chb. VIII-IX.

*Anakelisia fasciata* (Kirschbaum, 1868) – 844.11 (N1). W-B-G, Mh-Hm, Chb. ?.

*Anakelisia perspicillata* (Boheman, 1845) – 843.21. G, Hm-Xm, Chb. VIII.

#### Subfamily Stenocraninae

*Stenocranus fuscovittatus* (Stål, 1858) – 843.21-24, 843.43-45; 844.21; 846.13. W-B-G, Mh-Hm, Chb. IV-VI, VIII-IX.

*Stenocranus major* (Kirschbaum, 1868) – 843.21-24, 843.44; 844.22, 844.23; 845.41. G-F, Hm-Em, Chb. IV-IX.

*Stenocranus minutus* (Fabricius, 1787) – 842 (BB1), 843.11-15 (B6); 845.41 (SY). 842.43, 842.61, 842.64; 843.21-24, 843.41-45; 844.12, 844.21; 846.11, 846.13, 846.14. B-G-F, Mh-Em, Chb. IV-IX.

Subfamily Delphacinae

- Delphacinus mesomelas* (Boheman, 1849) – 843.21, 843.24, 843.42-44; 844.21; 845.41. G, Xm, Chb. VI-VIII.
- Stiroma affinis* Fieber, 1866 – 843.11-15 (B6, BB2). 843.21-24, 843.41-45; 844.12, 844.21; 845.41, 845.51; 846.11. F, Em, Chb. VI-VIII.
- Stiroma bicarinata* (Herrich-Schäffer, 1835) – 843.11-15 (B6). 842.41, 842.62; 843.21-24, 843.41-45; 845.51. F, Em, Chb. VI-VIII.
- Enconomelus lepidus* (Boheman, 1847) – 842.41 (CB); 843.11-15 (B6). 843.21-24, 843.41-45; 844.13, 844.21; 845.23, 845.41; 846.13. W-B-G-F, Mh-Hm, Chb. VII-VIII.
- Conomelus anceps* (Germar, 1821) – 843.12, 843.14 (B6). 842.24, 842.42; 843.21-24, 843.41-45; 845.41, 845.42. B-G-F, Mh-Hm, Chb. VI-IX.
- Delphax crassicornis* (Panzer, 1796) – 843.13 (B6), 843.14 (B1, B6); 845.41 (SY). 842.64; 843.21-24, 843.43, 843.44; 844.21; 846.13. W-B-G-F, Mh-Hm, Chb. VI-VII.
- Euoides basilinea* (Germar, 1821) – 843.13 (B7), 843.14 (B6). 843.22; 845.41. W-B, Mh, Chb. VI-VII.
- Chloriona dorsata* Edwards, 1898 – 843.21. W-B-G-F, Mh-Hm, Chb. VI.
- Chloriona glaucescens* Fieber, 1866 – 842.64; 843.21, 843.24. W-B-G-F, Mh-Hm, Chb. VI-VIII.
- Chloriona smaragdula* (Stål, 1853) – 843.12, 843.15 (B6). 843.21-24. W-B-G-F, Mh-Hm, Chb. VI-VIII.
- Chloriona stenoptera* (Flor, 1861) – 843.11-15 (B6). 845.22. W-B-G-F, Mh-Hm, Chb. VI.
- Megamelus notula* (Germar, 1830) – 842 (BB1), 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6). 843.21-24, 843.41-45; 844.21; 845.41, 845.42. W-B-G-F, Mh, Chb. VI-IX.
- Megadelphax sordidula* (Stål, 1853) – 843.21. G, Hm, Chb. VII-VIII.
- Laodelphax striatella* (Fallén, 1826) – 843.11-15 (B6); 845 (Y); 845.41 (SY, C); 846.13, 846.34 (DK). 842.24, 842.61, 842.62; 843.21-24, 843.41-45; 844.21; 846.11. G, Hm-Xm, Chb. V-XI.
- Hyledelphax elegantula* (Boheman, 1847) – 843.11, 843.12 (B6), 843.13 (B6, B7), 843.14, 843.15 (B6). 843.21-24, 843.41-45; 844.21; 845.63; 846.11. F, Hm-Em, Chb. VI-VIII.
- Delphacodes venosus* (Germar, 1830) – 845.41 (SY). 842.64; 843.21, 843.43-45; 844.21; 846.13, 846.14. B-F, Mh-Hm, Chb. V-IX.
- Muellerianella brevipennis* (Boheman, 1847) – 842.64; 843.11-14; 845.41. G-F, Hm-Em, Chb. VII-VIII.
- Muellerianella extrusa* (Scott, 1871) – 843.21. B-F, Hm-Em, Chb. VIII.
- Muellerianella fairmairei* (Perris, 1857) – 843.13, 843.14 (B6). 842.64; 843.21-23, 843.43; 844.21; 845.41, 845.61; 846.13. B-F, Mh-Hm, Chb. VI-X.
- Muiroidelphax anbei* (Perris, 1857) – 843.12 (B6), 843.13 (B7). 843.21. G, Em-Xm, Chb. VII-VIII.
- Acanthodelphax denticauda* (Boheman, 1847) – 843.11-15 (B6). 842.41, 842.42; 843.21-24, 843.41-45; 844.21; 845.21. B-G-F, Hm-Em, Chb. V-VII.
- Acanthodelphax spinosa* (Fieber, 1866) – 843.11, 843.13, 843.15 (B6). 842.43; 843.22, 843.23, 843.43; 846.11, 846.13. G-F, Hm-Em, Chb. VI-VIII.
- Dicranotropis hamata* Boheman, 1847 – 843.11-15 (B6). 842.42, 842.64; 843.21-24, 843.41-45; 844.12, 844.21. G-F, Hm-Em, Chb. VI-IX.
- Struebingtonella lugubrina* (Boheman, 1847) – 843.21. B-G-F, Mh-Hm, Chb. VII.

- Xanthodelphax flaveola* (Flor, 1861) – 843.12, 843.14 (B6). 842.61; 843.21, 843.44; 844.21; 845.41, 845.61. G, Em-Xm, Chb. VI-VIII.
- Xanthodelphax straminea* (Stål, 1858) – 842.41 (CB); 843.11-15 (B6). 843.21-24, 843.41-45; 844.13; 846.13. G-F, Hm-Em, Chb. VI-VIII.
- Xanthodelphax xantha* Vilbaste, 1965 – Belarus (N2). 843.21; 844.21. F, Em, Chb. VII.
- Paradelphacodes paludosa* (Flor, 1861) – 843.21, 843.43, 843.44; 844.22; 845.41. B-F, Mh, Chb. VIII-IX.
- Oncodelphax pullula* (Boheman, 1852) – 843.14 (B6). B-G-F, Hm, Chb. V-VII.
- Criomorpus albomarginatus* Curtis, 1833 – Belarus (B5); 843.11-15 (B6). 843.21-24, 843.41-45; 844.13, 844.21; 845.22, 845.42; 846.13. G-F, Em, Chb. V-VII.
- Criomorpus borealis* (J. Sahlberg, 1871) – 843.13, 843.14 (B6). 843.21-24, 843.41-45; 845.41. W-B-G-F, Mh-Hm, Chb. VI-VII.
- Criomorpus moestus* (Boheman, 1847) – Belarus (N2). 842.24; 843.14, 843.21, 843.43, 843.44; 844.21; 846.11. W-B-G-F, Mh-Hm, Chb. V-VII.
- Criomorpus williamsi* China, 1939 – 843.11 (B6). G, Em, Chb. VI.
- Javesella discolor* (Boheman, 1847) – 843.11, 843.13 (B6). 843.23, 843.24; 844.21. B-G-F, Mh-Hm, Chb. V-IX.
- Javesella dubia* (Kirschbaum, 1868) – 842.41 (CB); 843.11-15 (B6). 843.21-24, 843.41-45; 844.21; 846.11, 846.14. W-B-G-F, Mh-Em, Chb. V-VIII.
- Javesella forcipata* (Boheman, 1847) – 843.14, 843.15, 843.21, 843.24, 843.44; 845.61; 846.13. W-B-G-F, Mh-Em, Chb. V-VIII.
- Javesella obscurella* (Boheman, 1847) – 843.14, 843.15 (B6). 843.23; 845.41. W-B-G-F, Mh-Hm, Chb. VI-VIII.
- Javesella pellucida* (Fabricius, 1794) – 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845 (Y); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.13. G-F, Mh-Em, Chb. V-X.
- Javesella stali* (Metcalf, 1943) – 843.21. W-B-G, Mh, Chb. V.
- Ribautodelphax albostrata* (Fieber, 1866) – 843.11-15 (B6). 842.24, 842.43; 843.21-24, 843.41-45; 845.61. G-F, Em-Xm, Chb. V-VIII.
- Ribautodelphax collina* (Boheman, 1847) – 842.41 (CB); 843.13, 843.15 (B6).
- Ribautodelphax pallens* (Stål, 1854) – 843.13, 843.14 (B6). G, Em, Chb. VIII.

## Family Dictyopharidae

*Dictyophara europaea* (Linnaeus, 1767) – 845.51. G, Em-Xm, Chb. VIII.

## Family Tettigometridae

*Tettigometra atra* Hagenbach, 1825 – 843.21; 845.51. G, Xm, Chb. VIII-IX.

*Tettigometra laeta* Herrich-Schäffer, 1835 – 843.14 (B6). G, Xm-Mx, Chb. VI.

## Family Caliscelidae

*Ommatidiotus dissimilis* (Fallén, 1806) – Belarus (B3); 842 (BB1), 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6). 843.21-24, 843.41-45; 844.13, 844.21; 845.21, 845.61-63; 846.13. B-F, Mh, Chb. VI-IX.

## Cicadomorpha

### Family Aphrophoridae

- Lepyronia coleoptrata* (Linnaeus, 1758) – 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.12, 844.21; 846.11, 846.13, 846.14. B-G-F, Hm-Xm, DTCb. V-X.
- Peuceptylus coriaceus* (Fallén, 1826) – Belarus (N2); 843.13, 843.14 (B6). 843.21-24, 843.43, 843.44. F, Mh-Hm, Db. V-VIII, X.
- Neophilaenus campestris* (Fallén, 1805) – 845.41 (SY, C). 842.61; 843.13. G, Xm, Chb. VI.
- Neophilaenus exclamationis* (Thunberg, 1784) – 842.41 (CB); 843.11, 843.13 (B6). 843.21, 843.22, 843.24, 843.42, 843.43; 844.21; 845.41. F, Em-Xm, Chb. VI-IX.
- Neophilaenus lineatus* (Linnaeus, 1758) – 842 (BB1), 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.13. B-G-F, Mh-Hm, Chb. VI-IX.
- Neophilaenus minor* (Kirschbaum, 1868) – 843.42, 843.45. G, Xm, Chb. VII.
- Aphrophora alni* (Fallén, 1805) – Belarus (M); 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.11, 846.13. F, Hm-Em, DTCb. VI-X.
- Aphrophora costalis* Matsumura, 1903 – 842.64; 843.11-15, 843.21-24, 843.41-45; 844.21; 845.41. F, Hm-Em, DTb. VI-IX.
- Aphrophora salicina* (Goeze, 1778) – 842.41 (CB); 843.13, 843.14 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.13. B-G-F, Hm-Em, Tb. VII-IX.
- Philaenus spumarius* (Linnaeus, 1758) – Belarus (B3); 842.41 (CB); 843 (BB2), 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C); 846.13, 846.34 (DK). 843.21-24, 843.41-45; 844.13, 844.21-25; 846.11. G-F, Hm-Em, Chb. V-X.

### Family Membracidae

- Gargara genistae* (Fabricius, 1775) – 843.14 (B6). 842.64; 843.21, 843.23, 843.24, 843.43, 843.44; 844.21; 846.11. G-F, Em-Xm, TCh. VII-VIII.
- Centrotus cornutus* (Linnaeus, 1758) – Belarus (M); 843.11-15 (B6). 842.64; 843.21-24, 843.41-45; 844.21; 845.42. F, Em, TCh. V-X.

### Family Cicadellidae

#### Subfamily Ulopininae

- Ulopa reticulata* (Fabricius, 1794) – 843.11-15 (B6). 842.64; 843.21, 843.43, 843.44; 844.21; 846.13. B-F, Hm-Xm, Chm. V-X.
- Utecha triviva* (Germar, 1821) – 843.13 (B6, B7). 842.24, 842.64; 843.21, 843.24; 844.21. G, Xm, Chb. VII-VIII.

#### Subfamily Ledrinae

- Ledra aurita* (Linnaeus, 1758) – 843.21. F, Hm-Em, Db. VII.

#### Subfamily Megophthalminae

- Megophthalmus scanicus* (Fallén, 1806) – Belarus (M); 843.11, 843.13, 843.15 (B6). 842.62; 843.21-24, 843.41-45; 844.21; 845.21. G-F, Em-Xm, Chb. VI-VIII.

Subfamily Macropsinae

- Oncopsis alni* (Schrank, 1801) – 843.11-15 (B6); 845.41 (SY). 843.22-24, 843.42-44; 844.21; 846.13. G-F, Hm-Xm, Db. VI-VII.
- Oncopsis appendiculata* Wagner, 1944 – 843.15 (B6). 844.21. F, Xm, Db. VI-VII.
- Oncopsis flavicollis* (Linnaeus, 1761) – Belarus (M); 843.11-15 (B6); 845.41 (SY). 843.21, 843.42; 844.21 G-F, Hm-Xm, Db. VI-VIII.
- Oncopsis tristis* (Zetterstedt, 1840) – 843.11, 843.14 (B6). 843.24, 843.45; 844.13, 844.21; 845.41. G-F, Hm-Xm, DTb. VI-VII.
- Pediopsis tiliae* (Germar, 1831) – 843.21. F, Hm-Xm, Db. VII-IX.
- Macropsis cerea* (Germar, 1837) – 843.11-13 (B6). 843.21, 843.44. F, Hm-Xm, DTb. VI-VIII.
- Macropsis fuscineris* (Boheman, 1847) – Belarus (M). 843.11-13, 843.21, 843.44; 844.21; 846.14. G-F, Hm-Xm, DTb. VI-VII.
- Macropsis fuscula* (Zetterstedt, 1828) – 842.42; 843.21, 843.22; 844.21. F, Em-Xm, Tb. VII-IX.
- Macropsis graminea* (Fabricius, 1798) – 843.13, 843.43. G-F, Hm-Em, Db. VII-IX.
- Macropsis haupli* Wagner, 1941 – 843.11-13, 843.44. W, Hm-Em, Tb. VIII.
- Macropsis impura* (Boheman, 1847) – 843.11, 843.24; 844.12; 845.41; 846.11. B-G-F, Mh-Hm, Tb. VI, VIII.
- Macropsis infuscata* (J. Sahlberg, 1871) – 843.11-13, 843.21, 843.43; F, Hm-Xm, DTb. VI-IX.
- Macropsis marginata* (Herrich-Schäffer, 1836) – 843.21, 843.23; 845.42. W-G, Hm-Em, Tb. VI-VII.
- Macropsis prasina* (Boheman, 1852) – 842.24, 842.42, 842.64; 843.11-15, 843.21-24, 843.41-45; 844.21; 845.21, 845.42, 845.52; 846.11. G-F, Hm-Em, DTb. VI-VIII.
- Macropsis scutellata* (Boheman, 1845) – 845.41 (SY). 843.23, 843.24. G-F, Hm-Em, Chb. VII-IX.
- Macropsidius sahlbergi* (Flor, 1861) – 843.13, 843.14 (B6). 843.21, 843.42; 844.21; 845.63. G, Hm-Xm, Chb. VI-VII.
- Hephabus nanus* (Herrich-Schäffer, 1835) – 843.11-14 (B6). 843.21, 843.23, 843.24, 843.42-44; 844.21; 845.23, 845.51; 846.11. G, Em-Xm, Chb. VII-VIII.

Subfamily Agalliinae

- Agallia brachyptera* (Boheman, 1847) – Belarus (B5); 842.41 (CB); 843.11, 843.13-15 (B6). 843.21-24, 843.41-45; 844.21; 845.21, 845.61-63. G-F, Hm-Xm, Chb. VI-IX.
- Anaceratagallia lithuanica* Vilbaste, 1974 – 843.21. G-F, Hm-Em, Chb. X.
- Anaceratagallia ribauti* Ossiannilsson, 1938 – 842.64; 843.21; 845.23; 846.13. G, Em, Chb. V-IX.
- Anaceratagallia venosa* (Fourcroy, 1785) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.22-24, 843.44 G-F, Em-Xm, Chb. VII-IX.

Subfamily Idiocerinae

- Rhytidodus decimusquartus* (Schrank, 1766) – Belarus (M); 843.13 (B6). 842.64; 843.21, 843.43, 843.44; 845.63. G-F, Hm-Em, Db. V-X.
- Idiocerus herrichii* Kirschbaum, 1868 – 843.22, 843.24; 844.21. B-G-F, Hm-Em, Db. V-X.
- Idiocerus lituratus* (Fallén, 1806) – 843.13, 843.14 (B6); 845.41 (SY). 843.21-24, 843.43 F, Hm-Em, DTb. VII-VIII.
- Idiocerus similis* Kirschbaum, 1868 – 845.41 (SY). W, Em, Tb. VII.



- Metidiocerus elegans* (Flor, 1861) – 843.13, 843.14, 843.21. B-F, Hm-Em, DTb. VII-VIII.
- Metidiocerus impressifrons* (Kirschbaum, 1868) – 843.13 (B6). 843.23, 843.44. G-F, Em, DTb. VII.
- Populicerus albicans* (Kirschbaum, 1868) – 843.13, 843.24; 845.42. F, Em, DTb. VI-VII.
- Populicerus confusus* (Flor, 1861) – 843.21, 843.24, 843.43; 844.21; 845.41, 845.42. F, Hm-Em, DTb. VI-IX.
- Populicerus laminatus* (Flor, 1861) – Belarus (M). 843.21, 843.23, 843.24, 843.44; 844.21. F, Em, Db. VI-VII.
- Populicerus nitidissimus* (Herrich-Schäffer, 1835) – 843.21, 843.23, 843.24. G-F, Hm-Em, Db. VII-IX.
- Populicerus populi* (Linnaeus, 1761) – Belarus (M); 843.11-15 (B6). 843.21-24, 843.41-45; 844.12, 844.21; 845.41, 845.51; 846.11, 846.14. F, Hm-Xm, Db. VI-X.
- Tremulicerus distinguendus* (Kirschbaum, 1868) – 843.13, 843.23, 843.24. F, Em, DTb. VI-IX.
- Tremulicerus tremulae* (Estlund, 1796) – Belarus (M); 843.13, 843.14 (B6). 843.24; 845.21. F, Em, Db. VI-VII.
- Stenidiocerus poecilus* (Herrich-Schäffer, 1835) – Belarus (M). 843.13, 843.21, 843.23, 843.43, 843.44; 844.21; 846.13. F, Em, Db. VI-X.
- Sahlbergotettix salicicola* (Flor, 1861) – 843.21; 844.21. G-F, Hm-Em, Tb. VI.
- Acericerus vittifrons* (Kirschbaum, 1868) – 843.11 (B6). 843.24. F, Em, Db. IV-V, VIII.

#### Subfamily Iassinac

- Batracomorphus allionii* (Turton, 1802) – 845.41 (SY). G-F, Hm-Xm, Chb. VII.
- Batracomorphus irroratus* Lewis, 1834 – 843.21. G-F, Hm-Xm, Chb. VII-VIII.
- Iassus lanio* (Linnaeus, 1761) – 843.11-15 (B6); 845.41 (B2). 843.21-24, 843.41-45; 844.21; 846.13. F, Em, Db. VII-X.

#### Subfamily Dorycephalinae

- Eupelix cuspidata* (Fabricius, 1775) – Belarus (B5); 842.41 (CB); 843.11-15 (B6); 845.41 (C). 843.21-24, 843.41-45; 844.21; 846.11. G-F, Xm-Mx, Chb. VI-VIII.

#### Subfamily Aphrodinae

- Aphrodes bicincta* (Schränk, 1776) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21-25. G-F, Hm-Xm, Chb. VI-VIII.
- Aphrodes makarovi* Zachvatkin, 1948 – 843.11-15 (B6). 843.21-23, 843.43, 843.44. G, Em, Chb. V-X.
- Planaphrodes bifasciata* (Linnaeus, 1758) – 843.12-14 (B6). 843.21, 843.23, 843.24, 843.43-45; 844.21; 845.51; 846.11, 846.14. G, Xm-Mx, Chb. V-X.
- Planaphrodes nigrita* (Kirschbaum, 1868) – 842.42; 843.21-24; 844.11, 844.21; 845.21. F, Em, Chb. VII.
- Planaphrodes trifasciata* (Fourcroy, 1785) – 842.41 (CB). 843.21; 846.13. G, Xm-Mx, Chb. VII-IX.
- Anoscopus albifrons* (Linnaeus, 1758) – 842.41 (CB); 843.11, 843.12, 843.14, 843.15 (B6). 843.21-24, 843.41-45; 844.21; 845.51; 846.11. B-G-F, Mh-Hm, Chb. VI-VIII.
- Anoscopus albiger* (Germar, 1821) – 843.11, 843.13-15 (B6). 842.41, 842.42; 843.24, 843.43; 846.13. B-G-F, Mh-Hm, Chb. VIII.

*Anoscopus flavostriatus* (Donovan, 1799) – 842.41 (CB); 843.11-15 (B6). 843.21; 844.21. G-F, Hm-Xm, Chb. IX.

*Anoscopus histrionicus* (Fabricius, 1794) – 843.11, 843.14 (B6). 842.64; 843.21, 843.23, 843.44; 844.13; 845.41. G, Xm, Chb. VI-IX.

*Anoscopus serratulae* (Fabricius, 1775) – 843.21, 843.24, 843.42-44; 844.21; 845.23. G, Hm-Em, Chb. VII-IX.

*Stroggylocephalus agrestis* (Fallén, 1806) – 842 (BB1), 842.41 (CB); 843.14 (B1, B6). 843.21-24, 843.41-45; 844.21; 845.41, 845.42. W-B-G-F, Mh-Hm, Chb. VI-X.

*Stroggylocephalus livens* (Zetterstedt, 1840) – 843.11, 843.13, 843.14 (B6). 844.25; 846.11. B-F, Mh-Hm, Chb. VII-VIII.

#### Subfamily Cicadellinae

*Evacanthus acuminatus* (Fabricius, 1794) – 843.12, 843.13, 843.15 (B6). 843.21-24, 843.43, 843.44; 844.22; 846.11. G-F, Hm-Em, Chb. VI-VIII.

*Evacanthus interruptus* (Linnaeus, 1758) – 843.11-15 (B6). 842.62, 842.64; 843.21-24, 843.41-45; 844.25; 845.42. G-F, Hm-Em, TCh. VI-VIII.

*Cicadella lasiocarpae* Ossiannilsson, 1981 – 843.14 (B6); 844.25 (D). 843.21; 845.63. B, Mh, Chb. VII-VIII.

*Cicadella viridis* (Linnaeus, 1758) – Belarus (N2); 842.41 (CB); 843 (BB2), 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.13. B-G-F, Hm-Em, Chb. VI-X.

#### Subfamily Typhlocybinae

*Alebra albostrigata* (Fallén, 1826) – Belarus (M); 843.12-14 (B6); 845.41 (B2). 843.21-24, 843.41-45; 844.21. F, Em, Db. VI-X.

*Alebra neglecta* Wagner, 1940 – Belarus (M); 843.15 (B6). 842.24, 842.43; 843.21-24, 843.42-45; 844.21; 846.13. F, Em, DTb. VI-VIII.

*Alebra wahlbergi* (Boheman, 1845) – 843.11, 843.12 (B6). 843.13, 843.22-24, 843.44. F, Hm-Xm, Db. VII-IX.

*Erythria aureola* (Fallén, 1806) – 843.21. F, Xm, Chm. VIII.

*Emelyanoviana mollicula* (Boheman, 1845) – 843.11-15, 843.21-24, 843.41-45; 844.21; 845.23, 845.51; 846.11, 846.14. G-F, Em-Xm, Chb. VI-X.

*Dikeranoura variata* Hardy, 1850 – 845.41 (SY). 843.21. G-F, Mh-Hm, Chb. VII.

*Micantulina micantula* (Zetterstedt, 1840) – 843.12. G, Mh-Em, Chb. VIII.

*Forcipata citrinella* (Zetterstedt, 1828) – 843.13, 843.14 (B6). 842.41-43; 843.21-24, 843.41-45; 844.21-25; 845.41, 845.42. B-G-F, Mh-Hm, Chb. VI-IX.

*Forcipata forcipata* (Flor, 1861) – 843 (BB2), 843.11-13 (B6). 842.62, 842.64; 845.41; 846.14. G-F, Mh-Hm, Chb. VI-IX.

*Notus flavipennis* (Zetterstedt, 1828) – 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21. B-G-F, Mh-Hm, Chb. VI-X.

*Kybos abstrusus* (Linnavuori, 1949) – 843.14 (B6). F, Em, Db. VII.

*Kybos butleri* (Edwards, 1908) – 843.15 (B6). 843.21, 843.24, 843.44. G-F, Hm-Em, DTb. VI-IX.

*Kybos lindbergi* (Linnavuori, 1951) – 843.21, 843.24; 844.21; 845.51. F, Hm-Xm, Db. VIII-IX.

- Kybos populi* (Edwards, 1908) – Belarus (M); 843.11-15 (B6). 843.21; 845.51. G-F, Hm-Em, Db. VI-IX.
- Kybos rufescens* (Melichar, 1896) – 843.21-24; 844.21. G-F, Mh-Em, DTb. VI-VIII.
- Kybos smaragdula* (Fallén, 1806) – 842.41 (CB); 843.12 (B6); 845.41 (SY). 843.23, 843.24; 844.21. G-F, Hm-Em, Db. VI-IX.
- Kybos sordidulus* (Ossiannilsson, 1941) – 843.21-24, 843.43, 843.44; 845.41. G-F, Hm-Em, DTb. VI-VIII.
- Kybos strigilifer* (Ossiannilsson, 1941) – 843.11, 843.13 (B6). 843.21-24; 845.21, 845.42. F, Hm-Em, DTb. VI-IX.
- Kybos virgator* (Ribaut, 1933) – 843.14 (B6). 843.22; 845.23; 846.11. G-F, Hm-Em, DTb. VI-IX.
- Empoasca apicalis* (Flor, 1861) – 843.21; 845.41. F, Em, DTb. VI.
- Empoasca decipiens* Paoli, 1930 – 843.11-15, 843.21, 843.24; 844.21; 846.13. G, Em, DTCb. V-VIII.
- Empoasca kontkaneni* Ossiannilsson, 1949 – 843.11-15, 843.21-24, 843.41-45; 845.22; 846.?. G-F, Em, TCh. VIII-X.
- Empoasca pteridis* (Dahlbom, 1850) – 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6) 846.13, 846.34 (DK). 843.21-24, 843.41-45; 844.21; 845.41. G-F, Em, Chb. V-IX.
- Empoasca vitis* (Göthe, 1875) – Belarus (M); 843.11-15 (B6); 845.41 (SY, C). 842.61; 843.21-24, 843.41-45; 844.21; 846.13. G-F, Hm-Xm, DTCb. V-X.
- Austroasca vittata* (Lethierry, 1884) – 843.11-15, 843.21-24, 843.41-45; 845.51; 846.14. G, Hm-Xm, Chb. VI-VII.
- Kyboasca bipunctata* (Oshanin, 1871) – 843.45, 844.13. F, Em, Db. VII-VIII.
- Chlorita paolii* (Ossiannilsson, 1939) – 842.42, 842.43; 843.11-15, 843.21-24, 843.41-45; 844.21, 844.25; 845.51; 846.14. G, Em-Xm, Chb. VI-IX.
- Chlorita viridula* (Fallén, 1806) – 843.21-24; 845.51. G, Em, Chb. VI-X.
- Fagocyba cruenta* (Herrich-Schäffer, 1838) (mostly f. *douglasi* Edw.) – Belarus (M). 842.64; 843.21; 843.23, 843.43, 843.44; 844.21; 846.13. F, Hm, DTb. VI-IX.
- Ossiannilssonola callosa* (Then, 1886) – 843.11, 843.21; 845.41. F, Em, Db. VII-VIII.
- Edwardsiana alnicola* (Edwards, 1924) – 843.11, 843.12 (B6). 843.21, 843.43, 843.44; 844.21. F, Hm, Db. VI-VIII.
- Edwardsiana ampliata* (Wagner, 1947) – 843.12-15 (B6). 843.21-24, 843.41-45; 844.12; 845.41. F, Em, Db. VI, VIII-X.
- Edwardsiana avellanae* (Edwards, 1888) – 843.13; 844.22; 845.41. F, Em, DTb. VI, VIII-IX.
- Edwardsiana bergmani* (Tullgren, 1916) – 843.21. F, Hm-Xm, Db. VI-IX.
- Edwardsiana candidula* (Kirschbaum, 1868) – 843.21; 844. F, Em, Db. VI.
- Edwardsiana crataegi* (Douglas, 1876) – 842.64; 843.13, 843.14, 843.21; 844.21; 846.11. F, Em, DTb. VII-VIII.
- Edwardsiana geometrica* (Schränk, 1801) – 843.11-15 (B6), 843.21-24, 843.41-45; 844.21; 845.41, 845.61; 846.13. F, Hm-Em, Db. VII-VIII.
- Edwardsiana gratioxa* (Boheman, 1852) – 843.13, 843.15 (B6), 843.21, 843.44; 844.22. F, Hm-Em, Db. VIII-IX.
- Edwardsiana ishidai* (Matsumura, 1932) – 843.21-24, 843.42, 843.43; 844.21; 845.61. F, Em, Db. VII-X.

- Edwardsiana menzbieri* Zachvatkin, 1948 – 842.64; 843.14 (B1), 843.21, 843.23, 843.43, 843.44; 844.21. G-F, Em, DTb. VI-VII.
- Edwardsiana nigriloba* (Edwards, 1924) – 842.64; 843.21; 844.23. F, Em, Db. VII.
- Edwardsiana plebeja* (Edwards, 1914) – 843.11, 843.12, 843.14 (B6). F, Em, Db. VII.
- Edwardsiana prunicola* (Edwards, 1914) – 843.21-24, 843.43, 843.44; 844.21; 845.52, 845.62. F, Hm-Em, DTb. VIII-XI.
- Edwardsiana rosae* (Linnaeus, 1758) – 843.11, 843.12 (B6), 843.13 (B6, BB2), 843.14, 843.15 (B6). 842.24, 842.41-43, 842.64; 843.21-24, 843.41-45; 844.21; 845.21, 845.63; 846.11, 846.14. F, Em, DTb. VI-XI.
- Edwardsiana salicicola* (Edwards, 1885) – 843.11-14 (B6), 843.21, 843.24, 843.42-45; 844.21; 845.41, 845.42. G-F, Hm-Em, Db. VIII-IX.
- Edwardsiana sociabilis* (Ossiannilsson, 1936) – 843.21, 843.42-44; 844.13, 844.21; 846.13. G-F, Em, TCh. VI, VIII-XI.
- Edwardsiana soror* (Linnavuori, 1950) – 843.21-24, 843.43; 844.13, 844.21; 846.13. F, Em, DTb. VI.
- Edwardsiana ulmiphagus* Wilson & Claridge, 1999 – 843.13. F, Em, Db. VIII.
- Eupterygba jucunda* (Herrich-Schäffer, 1837) – 842.2; 843.21-24. F, Hm-Em, Db. VIII-IX.
- Linnavuoriana decempunctata* (Fallén, 1806) – 843.13, 843.14 (B6). 843.21, 843.24; 845.42. F, Hm-Em, Db. IX-X.
- Linnavuoriana sexmaculata* (Hardy, 1850) – 843.11-15 (B6). 843.21-24, 843.41-45; 844.25; 845.41; 846.13. F, Hm-Xm, Db. IV-X.
- Ribautiana tenerrima* (Herrich-Schäffer, 1834) – 843.21; 844.21. F, Hm, DTb. VI
- Ribautiana ulmi* (Linnaeus, 1758) – 843.12, 843.13, 843.21. F, Em, Db. VI-VIII.
- Typhlocyba quercus* (Fabricius, 1777) – Belarus (M). 842.64; 843.11-15, 843.21-24, 843.41-45; 844.21; 845.22, 845.41, 845.51, 845.63. F, Em, Db. VI-IX.
- Zonogyba bifasciata* Boheman, 1851 – 843.13, 843.21-24, 843.45. F, Hm-Em, Db. VI-IX.
- Eurhadina concinna* (Germar, 1831) – 842.64; 843.21-24, 843.43, 843.44; 844.21, 844.25. F, Em, Db. VI-VII.
- Eurhadina kirschbaumi* W. Wagner, 1937 – 843.21, 843.24; 845.51. F, Em, Db. VI-IX.
- Eurhadina pulchella* (Fallén, 1806) – 843.11-15, 843.21-24, 843.41-45; 845.41, 845.42, 845.61; 846.13. F, Em, Db. VI-VIII.
- Eupteryx adpersa* (Herrich-Schäffer, 1838) – 843.12, 843.13 (B6). 843.23, 843.24, 843.44; 845.21. 845.51. G, Em, Chb. VI-VII.
- Eupteryx artemisiae* (Kirschbaum, 1868) – 843.21, 843.43; 844.21; 846.14. G, Em, Chb. VII-IX.
- Eupteryx atropunctata* (Goeze, 1778) – 843.11, 843.14, 843.15 (B6); 845.41 (SY, C). 842.64; 843.21-24, 843.41-45; 844.21. G-F, Em, Chb. VI-IX.
- Eupteryx aurata* (Linnaeus, 1758) – 843.11-15 (B6); 845.41 (SY). 843.21-24, 843.41-45; 844.13, 844.21. G-F, Em, Chb. VI-X.
- Eupteryx calcarata* (Ossiannilsson, 1936) – 843.21. G-F, Em, Chb. VI-IX.
- Eupteryx collina* (Flor, 1861) – 843.11, 843.13 (B6). 845.2. G-F, Em, Chb. VII.
- Eupteryx cyclops* Matsumura, 1906 – 843.11-15 (B6). 843.21-24, 843.41-45; 844.21; 845.21-23, 843.41. G-F, Em, Chb. VI-X.
- Eupteryx notata* Curtis, 1837 – 842.41 (CB); 843.11-15 (B6). 843.21-24, 843.41-45; 844.12; 845.51; 846.11, 846.13. G-F, Em-Xm, Chb. V-X.

- Eupteryx origani* Zachvatkin, 1948 – 843.12, 843.14, 843.15 (B6). 842.24; 843.23. G-F, Em, Chb. VII-IX.
- Eupteryx signatipennis* (Boheman, 1847) – 843.11, 843.13 (B6). 843.22, 843.43, 843.44; 844.21. G-F, Hm-Em, Chb. IX.
- Eupteryx stachydearum* (Hardy, 1850) – 843.11, 843.12 (B6), 843.13 (B7). 843.21-24, 843.43-45; 844.21; 845.41; 846.13, 846.14. G-F, Em, Chb. VI-X.
- Eupteryx tenella* (Fallén, 1806) – 843.14 (B6). 842.41; 843.21-24, 843.43, 843.44; 844.21. G-F, Em-Xm, Chb. VI-IX.
- Eupteryx urticae* (Fabricius, 1803) – 843.11-15 (B6), 843.21-24, 843.41-45; 844.22; 845.41. G-F, Hm-Em, Chb. VI-IX.
- Eupteryx vittata* (Linnaeus, 1758) – 843.11-15 (B6); 845.41 (SY, C). 842.62; 843.22, 843.23, 843.43, 843.44; 844.21. G-F, Em, Chb. VI-X.
- Aletoidia aletii* (Dahlbom, 1850) – Belarus (M). 842.43, 842.62; 843.11-15, 843.21-24, 843.41-45; 844.21; 845.41, 845.42; 846.11. F, Hm-Em, DTb. VI-IX.
- Zygina angusta* Lethierry, 1874 – 843.11, 843.15 (B6). F, Em, DTb. VIII.
- Zygina flammigera* (Fourcroy, 1785) – Belarus (M); 843.14, 843.15 (B6). 842.41-43; 843.11-13, 843.21-24, 843.41-45; 844.13, 844.21-25; 845.21, 845.61-63; 846.13, 846.14. F, Hm-Xm, DTb. VI-X.
- Zygina hyperici* (Herrich-Schäffer, 1836) – 843.13, 843.14 (B6). 842.24, 842.64; 843.11, 843.12, 843.15, 843.21-24, 843.41-45; 844.21; 845.41, 845.42; 846.11, 846.13. G-F, Em-Xm, Chb. VI-IX.
- Zygina ordinaria* (Ribaut, 1936) – 843.11 (B6). G-F, Em, DTb. VII.
- Zygina rosea* (Flor, 1861) – 843.12, 843.13 (B6). F, Em, Db. VII-VIII.
- Zygina rubrovittata* (Lethierry, 1869) – 843.21, 843.43, 843.44; 844.21. B-F, Em-Xm, Chm. VI-IX.
- Zygina suavis* Rey, 1891 – 843.11, 843.14 (B6). F, Em, DTb. VII-VIII.
- Zygina tiliae* (Fallén, 1806) – 843.13, 843.15 (B6). F, Hm-Em, Db. VII-VIII.
- Arboridia erecta* (Ribaut, 1931) – 843.13, 843.14 (B6). 843.21-24, 843.44. F, Em, Db. VI-IX.
- Arboridia parvula* (Boheman, 1845) – 843.11-15 (B6). 843.21-24, 843.41-45; 845.41; 846.13, 846.14. F, Em, DTcb. V-X.
- Arboridia potentillae* (Moravskaja, 1948) – 843.21. F, Xm, Chb. VII.
- Arboridia pusilla* (Ribaut, 1936) – 843.12, 843.14 (B6). G-F, Em, DTcb. VIII.
- Arboridia ribauti* (Ossiannilsson, 1937) – 843.12, 843.13, 843.15 (B6). 845.41. F, Em, DTcb. VII.
- Arboridia velata* (Ribaut, 1952) – Belarus (M); 843.11, 843.13, 843.14 (B6); 845.41 (B2). 842.64; 843.12, 843.21-24, 843.41-45; 846.13. F, Em, DTb. VII-IX.

#### Subfamily Deltocephalinae

- Grypotes puncticollis* (Herrich-Schäffer, 1834) – 843.14 (B1). 843.21-24, 843.43; 845.51; 846.13. F, Hm-Xm, Db. VI-X.
- Neoliturus fenestratus* (Herrich-Schäffer, 1834) – 842.41 (CB); 845.41 (C). 843.21, 843.23, 843.24, 843.44; 846.11. G-F, Em-Mx, Chb. VII-VIII.
- Coryphaeus gyllenhalii* (Fallén, 1826) – 844.11 (N1). W, Eh, Hb. ?
- Balclutha calamagrostis* Ossiannilsson, 1961 – 843.21. F, Xm, Chb. VI.

- Balcutha punctata* (Fabricius, 1775) – Belarus (B5); 843.11-15 (B6, BB2); 845.41 (SY, C). 842.24; 843.21-24, 843.41-45; 844.12, 844.21; 846.11, 846.13. G-F, Hm-Xm, Chb. V-IX.
- Macrosteles alpinus* (Zetterstedt, 1828) – 843.21; 845.42. W-B-G, Mh-Hm, Chb. VII-VIII.
- Macrosteles cristatus* (Ribaut, 1927) – 843.11-15 (B6); 845.41 (SY). 842.42, 842.43; 843.21-24, 843.41-45; 844.21; 846.14. G-F, Hm-Xm, Chb. VI-VIII.
- Macrosteles frontalis* (Scott, 1875) – 843.21. W-B-G-F, Mh-Em, Chb. VI-VIII.
- Macrosteles horvathi* (W. Wagner, 1935) – 843.13 (B6); 845.41 (SY). 842.41; 843.21-24; 844.21. W-B-G-F, Mh-Hm, Chb. VI-IX.
- Macrosteles laevis* (Ribaut, 1927) – Belarus (B4); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845 (Y); 845.41 (SY, C) 846.13, 846.34 (DK). 843.21-24, 843.41-45; 844.13, 844.21-25; 846.11. G-F, Em-Xm, Chb. V-VIII.
- Macrosteles lividus* (Edwards, 1894) – 843.21. W-B, Mh-Hm, Chb. VII.
- Macrosteles septemnotatus* (Fallén, 1806) – 843.11, 843.13 (B6); 845.41 (SY). 842.24; 843.21-24; 844.21; 846.13. G-F, Hm-Em, Chb. VI-VIII.
- Macrosteles sexnotatus* (Fallén, 1806) – Belarus (B4); 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21. (Bryanzev 1926; Solowiew 1926). G-F, Em, Chb. VI-IX.
- Macrosteles sordidipennis* (Stål, 1858) – 843.12-14 (B6). 843.23, 843.24; 844.21. G, Em, Chb. VII-VIII.
- Macrosteles variatus* (Fallén, 1806) – 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21. F, Hm, Chb. VI-VIII.
- Macrosteles viridigriseus* (Edwards, 1924) – 843.12, 843.14, 843.15 (B6). 842.43; 843.21, 843.24; 844.21; 845.41; 846.13. B-G, Hm-Em, Chb. VI-X.
- Erotettix cyane* (Boheman, 1845) – 843.14 (B6). 843.21; 844.21; 845.22. W, Eh, Hb. VII-IX.
- Sonronius binotatus* (J. Sahlberg, 1871) – 843.13 (B7), 843.14, 843.15 (B6). 843.24; 846.13. G-F, Hm-Em, TCh. VII-IX.
- Sagatus punctifrons* (Fallén, 1826) – Belarus (B5); 843.11-15 (B6); 845.41 (SY). 843.21-24, 843.41-45. F, Hm-Em, DTb. VI-IX.
- Deltocephalus pulicaris* (Fallén, 1806) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.13, 844.21; 846.11, 846.13. G-F, Hm-Xm, Chb. VI-IX.
- Endria nebulosa* (Ball, 1900) – 843.14, 843.24, 843.44; 844.21. G-F, Em, Chb. VII-VIII.
- Doratura exilis* Horvath, 1903 – 843.12 (B6). 843.21. G-F, Em-Mx, Chb. VI-VIII.
- Doratura homophylla* (Flor, 1861) – Belarus (B5); 842.41 (CB); 843.11-15 (B6); 845.41 (C). 843.21-24, 843.41-45; 846.13. G-F, Em-Mx, Chb. VI-IX.
- Doratura impudica* Horvath, 1897 – 843.14, 843.15 (B6). 843.24; 845.51. G-F, Xm-Mx, Chb. VII-VIII.
- Doratura stylata* (Boheman, 1847) – Belarus (B5); 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21-25; 846.13. G-F, Em-Mx, Chb. VI-X.
- Fieberiella septentrionalis* W Wagner, 1963 – 843.13 (B6, B7). 843.21; 845.21; 846.11. F, Em, Tb. VII-XI.
- Platymetopius undatus* (De Geer, 1773) – 845.41, 845.42. G-F, Em, Db. VII-VIII.
- Idiodonus cruentatus* (Panzer, 1799) – Belarus (B5, M); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6). 843.21-24, 843.41-45; 844.12, 844.13, 844.21; 845.41, 845.42; 846.13. F, Em, DTb. VI-IX.

- Colladonus torneellus* (Zetterstedt, 1828) – 842.64; 843.21-24, 843.43-45. F, Hm-Em, TCh. V-IX.
- Lamprotettix nitidulus* (Fabricius, 1787) – Belarus (M). 843.21, 843.24; 845.41; 846.11. F, Em, Db. VIII.
- Allygus communis* (Ferrari, 1882) – 843.21. F, Em, Db. VIII.
- Allygus mixtus* (Fabricius, 1794) – Belarus (M); 843.11-15 (B6). 842.64; 843.21-24, 843.41-45; 844.12, 844.21; 845.41; 846.13. F, Hm-Em, DTcb. VII-X.
- Allygus modestus* Scott, 1876 – 843.21; 844.21. F, Em, Db. VII.
- Allygidius commutatus* Fieber, 1872 – 843.21, 843.24, 843.43. F, Hm-Em, DTb. VII-IX.
- Mimallygus lacteinerus* (Kirschbaum, 1868) – 843.21; 844.21. B-G, Mh-Hm, DTb. VIII.
- Graphocraerus ventralis* (Fallén, 1806) – Belarus (B5); 843.11-15 (B6); 845.41 (SY, C). 842.61, 842.64; 843.21-24, 843.41-45. G, Em-Mx, Chb. V-VIII.
- Rhopalopyx adumbrata* (C. Sahlberg, 1842) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY). 843.21-24, 843.41-45; 844.21. B-G, Mh-Hm, Chb. VI-VII.
- Rhopalopyx preysleri* (Herrich-Schäffer, 1838) – 843.11, 843.15 (B6). 843.21-24, 843.41-45; 844.21; 845.51; 846.13. G-F, Hm-Xm, Chb. VI-IX.
- Rhopalopyx vitripennis* (Flor, 1861) – 843.11-15 (B6). 843.21-24, 843.41-45; 845.23. G-F, Hm-Xm, Chb. VII-VIII.
- Paluda flaveola* (Boheman, 1845) – 845.41 (SY). 843.13, 843.21; 844.21. G-F, Hm-Xm, Chb. VI-VIII.
- Elymana kozhevnikovi* (Zachvatkin, 1938) – 843.11, 843.14 (B6), 843.21-23, 842.42-44. G-F, Hm-Em, Chb. V-IX.
- Elymana sulphurella* (Zetterstedt, 1828) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.13, 844.21. G-F, Hm-Em, Chb. VI-IX.
- Cicadula albingensis* W. Wagner, 1940 – 843.21; 845.42. G, Hm, Chb. VIII.
- Cicadula flori* (J. Sahlberg, 1871) – 843.14 (B6). 843.21, 843.23, 843.24; 844.21; 845.42, 845.61; 846.13. W-B-G-F, Mh-Hm, Chb. VI-IX.
- Cicadula intermedia* (Boheman, 1845) – 843.11, 843.13 (B6). 843.42-45; 844. W-B-G-F, Mh-Hm, Chb. VII-IX.
- Cicadula longiventris* (J. Sahlberg, 1871) – 845.41. B, Mh, Chb. VII.
- Cicadula nigricornis* (J. Sahlberg, 1871) – 844.13; 845.42. B-G, Mh, Chb. VIII.
- Cicadula persimilis* (Edwards, 1920) – 843.12, 843.15 (B6). 843.21, 843.24, 843.42-44; 844.21; 846.13. W-B-G-F, Mh-Hm, Chb. VII-IX.
- Cicadula quadrinotata* (Fabricius, 1794) – 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21. W-B-G-F, Hm-Em, Chb. V-X.
- Cicadula quinquenotata* (Boheman, 1845) – 843.14 (B6); 845.41 (SY, C). 843.21-24, 843.44; 844.21; 846.13. W-B, Mh-Hm, Chb. VI-IX.
- Mocydiopsis attenuata* (Germer, 1821) – 842.64; 843.11-13, 843.15, 843.43, 843.44; 844.21; 845.41. G-F, Em-Xm, Chb. VII-VIII.
- Spindelotettix subfuscus* (Fallén, 1806) – Belarus (M); 843.11-15 (B6, BB2). 843.21-24, 843.41-45; 844.21; 845.41. F, Hm-Xm, DTC. VI-IX.
- Hesim domino* (Reuter, 1880) – 843.13-15 (B6). 843.22-24, 843.42-44; 845.41. G, Em-Xm, DTb. VII-IX.

- Thamnotettix confinis* Zetterstedt, 1828 – 842.41 (CB); 843.11-15 (B6, BB2). 843.21-24, 843.41-45; 844.21; 845.41; 846.13. G-F, Hm-Em, DTCb. V-IX.
- Thamnotettix dilutior* (Kirschbaum, 1868) – 843.21; 845.41. F, Em, Db. VII.
- Pithyotettix abietinus* (Fallén, 1806) – 843.11, 843.13, 843.14 (B6). 843.21, 843.23, 843.24, 843.42-45; 844.13; 846.13. F, Em, Db. VI-VIII.
- Macustus griseus* (Zetterstedt, 1828) – 843.21; 844.21; 845.42; 846.13. B-G-F, Mh-Hm, Chb. VII-VIII.
- Athysanus argentatus* Metcalf, 1955 – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21-25; 846.13. G-F, Hm-Em, Chb. VI-IX.
- Athysanus quadrum* Boheman, 1845 – 843.11-15 (B6); 845.41 (SY). 843.21-24, 843.41-45. G-F, Hm-Em, Chb. VII-IX.
- Stictocoris picturatus* (C. Sahlberg, 1842) – 843.11-15, 843.21-24, 843.41-45; 844.21; 845.51. G, Em-Mx, Chb. VII-VIII.
- Ophiola decumana* (Kontkanen, 1949) – 842.41 (CB); 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6). 843.21-24, 843.41-45; 844.13, 844.21; 845.42; 846.13. G-F, Hm-Xm, Chb. VII-IX.
- Ophiola russeola* (Fallén, 1826) – 843.21; 845.51. B-G-F, Mh-Em, Chb. VII.
- Ophiola transversa* (Fallén, 1826) – 842.41 (CB); 843.11-15 (B6); 845.41 (C). 843.21-24, 843.41-45; 846.13. G, Xm-Mx, Chb. VII-VIII.
- Limotettix atricapillus* (Boheman, 1845) – Belarus (N2); 843.11, 843.14 (B6). 843.21-24, 843.43; 844.21; 845.41, 845.42. B-G, Mh-Hm, Chb. VI-VIII.
- Limotettix striola* (Fallén, 1806) – 842.41 (CB); 843.11, 843.13-15 (B6); 845.41 (C). 843.21, 843.22, 843.24, 843.43-45; 844.21; 846.13. W-B-G, Mh-Hm, Chb. VI-IX.
- Laburrus impictifrons* (Boheman, 1852) – 843.21, 843.24, 843.44; 844.21; 845.51. G-F, Em-Xm, Chb. VI-VIII.
- Laburrus pella* (Horvath, 1903) – 843.21. G, Xm, Chb. VII.
- Ensulidius schenckii* (Kirschbaum, 1868) – 843.11, 843.21-24, 843.43-45; 844.?. G, Em-Xm, Chb. VII.
- Conosanus obsoletus* (Kirschbaum, 1858) – 843.11-15 (B6). 842.41; 843.21, 843.23, 843.43; 844.21; 845.41; 846.11, 846.13. G-F, Em, Chb. VII.
- Ensulcis distinguendus* (Kirschbaum, 1858) – 843.11, 843.12, 843.14 (B6). 843.21, 843.23, 843.24. G, Hm-Xm, Chb. VI-VIII.
- Ensulcis inaisus* (Kirschbaum, 1858) – 843.12-14 (B6). 843.21, 843.44; 844.21. G, Em-Xm, Chb. V-VIII.
- Streptanus aemulans* (Kirschbaum, 1868) – 843.21; 844.21. G-F, Hm-Xm, Chb. VII-X.
- Streptanus confinis* (Reuter, 1880) – 842.41 (CB); 843.12, 843.14 (B6). 843.21-24, 843.42, 843.43; 844.21; 845.41. B-G, Hm-Em, Chb. VII-VIII.
- Streptanus marginatus* (Kirschbaum, 1858) – 842.41 (CB); 843.11-15 (B6). 843.21, 843.23, 843.43, 843.44; 844.21; 845.42. G-F, Em, Chb. VI-VIII.
- Streptanus sordidus* (Zetterstedt, 1828) – 843.11, 843.13-15 (B6). 843.21-24, 843.41-45; 844.21. B-G-F, Mh-Em, Chb. VII-IX.
- Artianus interstitialis* (Germar, 1821) – 843.21, 843.24, 843.43-45; 844.21. G, Em-Xm, Chb. VI-IX.
- Paralimnus phragmitis* (Boheman, 1847) – 843.11-14; 845.41. W-B, Mh, Chb. VI-VIII.



- Metalimnus formosus* (Boheman, 1845) – 843.11, 843.13 (B6). 842.64; 843.21, 843.24, 843.44; 844.21; 846.13. W-B-G-F, Mh-Hm, Chb. VII-X.
- Metalimnus marmoratus* (Flor, 1861) – 843.11-13, 843.15 (B6). 842.64; 843.21; 845.42. B-G, Mh-Hm, Chb. VIII.
- Arocephalus languidus* (Flor, 1861) – 842.42; 843.11-15, 843.21-24, 843.41-45; 844.21; 845.41; 846.11. G, Em-Xm, Chb. VII-IX.
- Arocephalus punctum* (Flor, 1861) – 843.14, 843.44; 844.21. G-F, Hm-Em, Chb. VI-VIII.
- Psammotettix alienus* (Dahlbom, 1851) – Belarus (B4); 843.11-15 (B6); 845 (Y); 845.41 (SY); 846.13, 846.34 (DK, Kovaleva 1970). 842.41-43; 844.21. G-F, Hm-Xm, Chb. VI-IX.
- Psammotettix atropidicola* Emeljanov, 1962 – 843.12, 843.14, 843.15 (B6). 843.21, 843.43. G, Hm-Em, Chb. VI-VII.
- Psammotettix cephalotes* (Herrich-Schäffer, 1834) – 845.41 (SY). 843.21; 844.21. G, Hm-Em, Chb. VII.
- Psammotettix confinis* (Dahlbom, 1850) – Belarus (B4); 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.11. G-F, Hm-Xm, Chb. V-X.
- Psammotettix pallidivervis* (Dahlbom, 1851) – 843.21. G-F, Xm, Chb. VIII.
- Psammotettix poecilus* (Flor, 1861) – 843.21, 843.24; 844.21; 845.51; 846.13. G-F, Em-Mx, Chb. VI-VIII.
- Adarrus multinotatus* (Boheman, 1847) – 843.21, 843.42-44. F, Em-Xm, Chb. VII-VIII.
- Errastinus ocellaris* (Fallén, 1806) – 843.11-15 (B6); 845.41 (SY, C). 842.24, 842.43; 843.21-24, 843.41-45; 844.22; 846.13, 846.14. G-F, Hm-Xm, Chb. V-IX.
- Turrutus socialis* (Flor, 1861) – 843.13 (B6, B7), 843.14 (B6). 842.24, 842.61; 843.21, 843.24, 843.44; 844.13; 845.22, 845.51; 846.11, 846.14. G, Em-Mx, Chb. VII-VIII.
- Jassargus allobrogicus* (Ribaut, 1936) – 843.21. G-F, Xm, Chb. VII-VIII.
- Jassargus pseudocellaris* (Flor, 1861) – 843.11-15, 843.21-24, 843.41-45; 844.21; 845.41, 845.42. G-F, Em-Xm, Chb. VI-IX.
- Jassargus flori* (Fieber, 1869) – 842.41 (CB); 843.11-15 (B6). 843.21-24, 843.41-45; 844.21; 845.41; 846.11, 846.13. G-F, Hm-Xm, Chb. VI-IX.
- Jassargus repletus* (Fieber, 1869) – 843.21, 843.24. G-F, Em-Xm, Chb. VII-VIII.
- Jassargus sursumflexus* (Then, 1902) – 843.21, 843.43. F, Hm-Em, Chb. VI-VII.
- Pinumius areatus* (Stål, 1858) – 845.41 (C). G-F, Xm-Mx, Chb. VII.
- Diplocolenus abdominalis* (Fabricius, 1803) – 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.13. G-F, Hm-Xm, Chb. V-IX.
- Diplocolenus bohemani* (Zetterstedt, 1838) – 842.61; 843.13, 843.14. G, Xm, Chb. VII.
- Arthaldenus arenarius* Remane, 1960 – 843.13, 843.14 (B6). 845.51. G, Hm-Em, Chb. VII.
- Arthaldenus pascuellus* (Fallén, 1826) – 842 (BB1), 842.41 (CB); 843.11-15 (B6); 845.41 (SY, C). 843.21-24, 843.41-45; 844.21; 846.11, 846.13, 846.14. G, Hm-Em, Chb. VI-X.
- Arthaldenus striifrons* (Kirschbaum, 1868) – 842.41 (CB); 843.11, 843.14 (B6); 845.41 (SY). 843.21-24, 843.43-45; 844.21. G, Hm-Em, Chb. VII-VIII.
- Sorboanus assimilis* (Fallén, 1806) – 842.41 (CB); 843.13 (B6). 843.21, 843.22; 846.11, 846.13. B-G, Hm-Em, Chb. VII-IX.
- Sorboanus xanthoneurus* (Fieber, 1869) – 842 (BB1), 843.11-13 (B6), 843.14 (B1, B6), 843.15 (B6). 843.21-24, 843.43; 844.21; 845.42. W-B, Mh-Hm, Chb. VII-IX.
- Cosmotettix caudatus* (Flor, 1861) – 843.21; 844.21; 845.41; 846.13. B, Mh, Chb. VII-VIII.

*Cosmotettix costalis* (Fallén, 1826) – 843.21-24, 843.42-44; 844.21; 845.42. W-B-G, Mh-Hm, Chb. VI-VIII.

*Mocuellus collinus* (Boheman, 1850) – 845.41 (SY, C). 842.42; 843.21; 846.13. G, Em, Chb. VII-VIII.

*Erzaleus nietrius* (Flor, 1861) – 845.42. W-G, Mh-Hm, Chb. VIII.

#### 4. Discussion and concluding remarks

This list includes altogether 331 Auchenorrhyncha species, 149 genera and 10 families. However, the state of knowledge in different parts of the country is rather uneven. The number of recorded species is highest in the province of West-Belarus and lowest in East Belarus (Tab. 1). Considering the faunas of adjacent countries, notably Poland, Ukraine, Latvia, Lithuania and the middle part of European Russia (Nast 1987), further 150 to 200 species can be expected. Most of these should be found in the south, notably in Poleskaya province.

**Table 1: Taxonomic composition of the Belarus Auchenorrhyncha fauna**

Taxon	Province					Total
	842	843	844	845	846	
Cixiidae	2	7	4	3	3	7
Delphacidae	22	51	27	31	18	53
Tettigometridae		2		1	–	2
Dictyopharidae		–		1		1
Caliscelidae	1	1	1	1	1	1
Aphrophoridae	8	10	7	8	5	10
Membracidae	2	2	2	1	1	2
Cicadellidae	86	248	146	156	83	257
Total	121	321	187	202	111	331

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#### 5. References

- Anufriev G.A., Kirillova B.I. (1998): Auchenorrhyncha (Homoptera, Cicadina) Chuvashskoj Respubliki: The experience of fauna analysis. Cheboksary: 176 pp. [in Russian]
- Borodin O.I. (1997): The structure of Auchenorrhyncha population (Homoptera: Cicadinea) of raised bogs of Berezinskij biosphere reserve. – 3rd Republican scientific conference of students RB: 20-21. [in Russian]
- Borodin O.I. (1999a): The structure of Auchenorrhyncha population from oak forests of Belorussian Polesje. – Materials of the International scientific conference of young scientists "Forest, Science, Youth" 2: 163-165. [in Russian]
- Borodin O.I. (1999b): Biodiversity and Biocenosis Relations of Auchenorrhyncha in preserved territories of Central Region of Belarus. – Materials of scientific conference dedicated to the 60 anniversary of the reserve Bialowieza National Park: 356-358. [in Russian]

- Borodin O.I. (1999c): Biodiversity of Homoptera of preserved territories of Central region of Belarus: current state and prospects of study. – Materials of international conference of young scientists "Ecological problems of the 21 century": pp. 78-79. [in Russian]
- Borodin O.I. (2001): Fauna of meadow's leafhoppers (Auchenorrhyncha: Homoptera) from Central Belarus. – XXX Ogólnopolskie seminarium kół naukowych Olsztyn: 16-17.
- Borodin O.I. (2002a): Materials on the fauna of Auchenorrhyncha (Homoptera: Auchenorrhyncha) of Central okrug of Belorussian height. – Works of the 2nd international scientific conference "Achievements of modern biology and biological education": 19-26. [in Russian]
- Borodin O.I. (2002b): Auchenorrhyncha of Kupalovskij reserve "Vyazyinka" – Materials of the conference of students and post-graduates of BSU: 18-25. [in Russian]
- Borodin O.I.; Buga S.V. (2003) Seasonal Dynamics of biodiversity and main trends of dynamics of Auchenorrhyncha number of Western Belorussian landscape-geographic province. – Vestnic BSU 2(3): 48-53. [in Russian]
- Bryanzev B. (1926): *Jassus sexnotatus* Fall. in Belarus. – Protection of plants from pests. 3(4-5): 421-422. [in Russian]
- Buga S.V.; Borodin O.I. (1999): Associations of Homoptera of raised bogs in the North of Belarus. – Biodiversity of terrestrial and soil invertebrates in the north: 34. [in Russian]
- Chumakov L.S. (1983): The influence of land-reclamation on the water-meadow of Prypyat river and the meadow fauna of Auchenorrhyncha (Cicadinea, Homoptera) – The Questions of experimental zoology: 113-119. [in Russian]
- Chumakov L.S.; Borodin O.I. (2001): The structure of Auchenorrhyncha association in various biocenoses of the Ignalinskaya APS. – Vestnic of BSU 3: 38-41. [in Russian]
- Dmitriev D. A. (1998): Distribution of *Cicadella lasiocarpa* Ossiannilsson, 1981 in Russia and Belarus (Homoptera: Cicadellidae). – Zoosystematica Rossica 7(2): 322.
- Dubrovskaya H.A., Kovaleva K.E. (1970): To the issue of herbicide influence on suctorial pests of crop plants. – Digest of academic works BAA 65: 109-111. [in Russian]
- Kovaleva K. E. (1970): To the issue of Auchenorrhyncha injurious action on crop herbs in conditions of Belarus. – Digest of academic works BAA 65: 105-108. [in Russian]
- Logvinenko V. N. (1975): Fulgoroidni zikadovi Ukraini. – Fauna Ukraini 26(2): 1-287. [in Ukrainian]
- Martinkevich G. I.; Klitzunova N. K.; Schastnaya I. I., Yakushko O.F. (2001): Theoretical problems and results of complex geographical zoning of the territory of Belarus. – Selected works of BSU: 333-356. [in Russian]
- Meleshko J. E., Borodin O. I., Petrov D. L., Buga S. V. (2004): Homopterous insects (Insecta: Homoptera) in aspen (*Populus tremula* L.) consortia in Belarus. – Vestnic BSU 1: 54-59. [in Russian]
- Nast J. (1972): Palaeartic Auchenorrhyncha (Homoptera). Warszawa: 550 p.
- Nast J. (1976): Pieviki. Auchenorrhyncha (Cicadoidea). – Katalog Fauny Polski 21(1): 1-257.
- Nast J. (1987): The Auchenorrhyncha (Homoptera) of Europe. – Ann. Zool. 40(15): 535-661.
- Ossiannilsson F. (1978): The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 1: Introduction, infraorder Fulgoromorpha. – Fauna Entomol. Scandinavica. 1(1): 1-222.
- Ossiannilsson F. (1981): The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 2: The families Cicadidae, Cercopidae, Membracidae, and Cicadellidae (excl. Deltocephalinae). – Fauna Entomol. Scandinavica. 7(2): 223-593.
- Ossiannilsson F. (1983): The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 3: The family Cicadellidae: Deltocephalinae, Catalogue, Literature and Index. – Fauna Entomol. Scandinavica. 7(3): 594-979.
- Ribaut H. (1936): Homopteres auchenorrhynques. I. (Typhlocybinae). – Faune de France. 31: 1-231.
- Ribaut H. (1952): Homopteres auchenorrhynques. II. (Jassidae). – Faune de France. 57: 1-474.
- Samersov V F., Yakimovich L. P. (1976): On fauna and ecology of Auchenorrhyncha of Belarussian Polesje. – Plant protection 1: 53-58. [in Russian]
- Solowiew P. (1926): Kabylyki abo zikadki, yak shkodniki raslin. – Plug. 4: 37-38. [in Belorussian]
- Yakimovich L. (1986): Auchenorrhyncha pests of crop herbs in the territory of Belorussian Polesje. – Plant protection 7: 53-60. [in Russian]
- Yazentkovskij E. (1925): To the fauna of crop pests on bogs. – Works of Minsk bog office 11 [in Russian]

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Autor(en)/Author(s): Borodin Oleg

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