

FAUNA AQUATICA AUSTRIACA

Auchenorrhyncha (Leafhoppers and Planthoppers)

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Leafhoppers and planthoppers (Insecta: Hemiptera: Auchenorrhyncha) is a group of insects represented by about 650 species in Austria. They are phytophagous and present in all terrestrial and semi-aquatic habitats from pannonian lowlands to alpine mountain ridges (Holzinger 2009 a, b).

They are used as biodiversity surrogates and as (monitoring) indicators in nature conservation issues (e.g. Achtziger et al. 2014, FSV 2015). In Central Europe, only a single species utilises aquatic habitats. Despite this, for the purpose of homogeneity among different animal groups, in this revised version of the Auchenorrhyncha chapter the list also comprises three „ecological groups“ of non-aquatic species that are closely bound to aquatic habitats:

- Species living in the reed/mud-zone of stagnant water (fresh water and inland salt water) and utilising host plants growing in the water (*Phragmites*, *Phalaris*, *Carex*, *Schoenoplectus* etc.)
- Tyrphobiontic species (i.e. species restricted to peat bogs) with host plants occurring in the land-water-transition zone of peat bogs
- Riverine species with host plants occurring on/restricted to habitats that are flooded usually once a year

Species restricted to periodically flooded habitats and wetlands (e.g. wetland forests, moorgrass meadows etc.) without particular relatedness to open water and halobiontic species of wetland habitats, whose host plants don't grow in open water (e.g. *Puccinellia peisonis* in the salt marshes near Lake Neusiedl) were excluded from the list. All Auchenorrhyncha species feeding on *Phragmites* are included. The list comprises 44 species.

Within the last 15 years, several books dealing with taxonomy, identification, distribution and biology of the Central European Auchenorrhyncha fauna were published. They facilitate the integration of Auchenorrhyncha into ecological studies a lot and are listed in the references (Biedermann & Niedringhaus 2004 and supplements, Holzinger et al. 2003, Kunz et al. 2011, Mühlthaler et al. 2017, Nickel 2003 and Stöckmann et al. 2013).

References

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Species inventory

Suborder Fulgoromorpha

Family Cixiidae

Myndus musivus (GERMAR, 1825)
Pentastiridius leporinus (LINNAEUS, 1761)

Family Delphacidae

Callipypona reyi (FIEBER, 1866)
Chloriona dorsata EDWARDS, 1898
Chloriona glaucescens FIEBER, 1866
Chloriona sicula MATSUMURA, 1910
Chloriona smaragdula (STÅL, 1853)
Chloriona stenoptera (FLOR, 1861)
Chloriona unicolor (HERRICH-SCHÄFFER, 1835)
Chloriona vasconica RIBAUT, 1934
Delphacodes capnodes (SCOTT, 1870)
Delphax crassicornis (PANZER, 1796)
Delphax pulchellus (CURTIS, 1833)
Euconomelus lepidus (BOHEMAN, 1847)
Euides alpina (WAGNER, 1948)
Euides basilinea (GERMAR, 1821)
Litemixia pulchripennis ASCHE, 1980
Nothodelphax albocarinata (STÅL, 1858)
Nothodelphax distincta (FLOR, 1861)
Oncodelphax pullula (BOHEMAN, 1852)
Paraliburnia adela (FLOR, 1861)
Pseudodelphacodes flaviceps (FIEBER, 1866)
Stiromella obliqua (WAGNER, 1948)
Struebingianella lugubrina (BOHEMAN, 1847)

Family Caliscelidae

Ommatidiotus dissimilis (FALLÉN, 1806)

Suborder Cicadomorpha

Family Cicadellidae

Stroggylocephalus livens (ZETTERSTEDT, 1840)
Cicadula quinquepunctata (BOHEMAN, 1845)
Coryphaelus gyllenhali (FALLÉN, 1826)
Cosmotettix aurantiacus (FOREL, 1859)
Cosmotettix costalis (FALLÉN, 1826)
Erotettix cyane (BOHEMAN, 1845)
Errastunus leucophaeus (KIRSCHBAUM, 1868)
Limotettix striola (FALLÉN, 1806)
Macrosteles fieperi (EDWARDS, 1889)
Macrosteles lividus (EDWARDS, 1894)
Mimallygus lacteinervis (KIRSCHBAUM, 1868)

- Paralimnus phragmitis* (BOHEMAN, 1847)
Paralimnus rotundiceps (LETHIERRY, 1885)
Paramesus major HAUPT, 1927
Parapotes reticulatus (HORVÁTH, 1897)
Psammotettix unciger RIBAUT, 1938
Sorhoanus assimilis (FALLÉN, 1806)
Sorhoanus schmidti (WAGNER, 1939)
Sorhoanus xanthoneurus (FIEBER, 1869)