

The leaf-beetles (Coleoptera, Chrysomelidae) from Salonta town area (Bihor county, Romania)

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Abstract

In this paper are presented the researches performed in the Salonta town area, in the period 2008-2009 about the leaf-beetles fauna.

Key words: Chrysomelidae, Salonta area, Romania

Introduction

The Salonta town is situated in the south-western part of Bihor county, in the Salonta plain, belonging to the Crisurilor plain.

The middle altitude is 50-60m. The climate is continental-temperate moderate. The vegetation is represented by different trees and herbs meted in different parks and gardens (BERINDEI & POP 1972).

Material and methods

The researches were performed between the years 2008-2009, in the period april-september.

The collect was performed once at two weeks with the entomological net by the "mow" method, being completed with observations and manual collects.

The determination of the species was performed using different bibliographical sources (WARCHALOWSKI 2003).

Results and discussions

In the analysed period were collected 57 species belonging to 32 genus and 7 subfamilies.

The list of collected species:

Subfamily Criocerinae Latreille, 1807: *Lema cyanella* Linnaeus, 1758, *Oulema melanopus* Linnaeus, 1758, *Liliocercis lilii* Scopoli, 1763, *Crioceris asparagi* Linnaeus, 1758

Subfamily Clytrinae Kirby, 1837: *Labidostomis longimama* Linnaeus, 1761, *Lachnaia sexpunctata* Scopoli, 1763, *Clytra laeviuscula* Ratzeburg, 1837, *Smaragdina salicina* Scopoli, 1763, *S. xanthaspis* Germar, 1824

Subfamily Cryptocephalinae Gyllenhal, 1813: *Cryptocephalus bipunctatus* Linnaeus, 1758, *C. hypochaeridis hypochaeridis* Linnaeus, 1758, *C. moraei* Linnaeus, 1758 *C. octacosmus* Bedel, 1891, *C. vittatus* Fabricius, 1775, *C. sericeus sericeus* Linnaeus, 1758

Subfamily Chrysomelidae Latreille, 1802: *Leptinotarsa decemlineata* Say, 1824 *Chrysolina (Menthastriella) herbacea* Duftschmid, 1825, *C. (Colaphosoma) sturmi* Westhoff, 1882, *C. (Stichoptera) sanguinolenta* Linnaeus, 1758 *C. gypsophilae* Kuster,

1845, *C. (Fastuolina) fastuosa* Scopoli, 1763-ab.*galeopsidis* Schrank; -ab.*callichloris* Bechyne, *Colaphus sophiae* Schaller, 1783, *Gastrophysa polygoni* Linnaeus, 1758 et ab.*ruficollis* Fabricius, *Phaedon (Phaedon) cochleariae* Fabricius, 1792, *Plagioderma versicolora* Laicharting, 1781, *Chrysomela populi* Linnaeus, 1758, *Gonioctena (Spartoxena) fornicata* Bruggeman, 1873, *Phratora (Phratora) vitellinae* Linnaeus, 1758

Subfamily Galerucinae Latreille, 1802: *Xanthogaleruca luteola* Muller, 1766, *Galeruca (Emarhopa) rufa* Germar, 1824, *Galeruca tanacetii* Linnaeus, 1758, *G. pomonae* Scopoli, 1763

Subfamily Alticinae Kutchera, 1859: *Phyllotreta atra* Fabricius, 1775, *Phyllotreta nigripes* Fabricius, 1775, *P. nemorum* Linnaeus, 1758, *P. vittula* Redtenbacher, 1849, *P. armoraciae* Koch, 1803, *Aphthona euphorbiae* Schrank, 1781, *Longitarsus melanocephalus* DeGeer, 1775, *L. nigrofasciatus* Goeze, 1777-ab.*domesticus* Weise, *L. jacobaeae* Waterhouse, 1858, *L. tabidus* Fabricius, 1775, *L. brisouti* Heikertinger, 1912, *L. nasturtii* Fabricius, 1792, *L. ganglbaueri* Heikertinger, 1912, *Asiorestia transversa* Marsham, 1802, *A. ferruginea* Scopoli, 1763, *Crepidodera aurata* Marsham, 1802, *Podagrica malvae malvae* Illiger, 1807, *Chaetocnema (Tlanoma) tibialis* Illiger, 1807, *Sphaeroderma testaceum* Fabricius, 1775, *Psylliodes attenuata* Koch, 1803, *Psylliodes affinis* Paykull, 1799, *Altica oleracea* Linnaeus, 1758

Subfamily Cassidinae Gyllenhal, 1813: *Hypocassida subferruginea* Schrank, 1776 et ab. *sobrina* Weise, *Cassida (Odontionycha) viridis* Linnaeus, 1758, *C. vibex* Linnaeus, 1767, *C. (Cassidulella) nobilis* Linnaeus, 1758.

The leaf-beetles fauna of area includes usually common species, typical of ecosystems indicated in the speciality literature. From the point of view of the biodiversity, the Alticinae subfamily is dominant (10genus, 22species), followed by Chrysomelinae (9genus, 12species), Cryptocephalinae (1genus, 6species), Galerucinae (2genus, 4species), Clytrinae (4genus, 5species), Criocerinae (4genus, 4species) and Cassidinae (2genus, 4species).

Some species are pests to agriculture: *Oulema melanopus*, *Lilioceris lili*, *Leptinotarsa decemlineata*, *Crioceris asparagi*, *Colaphus sophiae*, *Gastrophysa polygoni*, *Gonioctena fornicata*, *Phyllotreta atra*, *Phyllotreta nemorum*, *Phyllotreta nigripes*, *Phyllotreta armoraciae*, *Phyllotreta vittula*, *Psylliodes affinis*, *Cassida nobilis*.

Also, some species are pests to the trees: *Plagioderma versicolora*, *Chrysomela populi*, *Xanthogaleruca luteola*, *Crepidodera aurata*.

Conclusions

The researches performed in the Salonta area in the period 2008-2009 were praised a relatively raised biodiversity of leaf-beetles fauna.

References

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