

CONTRIBUTION TO MYRMECOFAUNA IN SOME OAK-TREE COMMUNITIES ON THE MOUNTAIN JASTREBAC

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Summary

Myrmecofauna in three oak-tree communities was investigated: *Querceto montanum* Černj. et Jov. (I), *Querceto montanum* Černj. et Jov. *carpinetosum orientalis* Jov. (II), *Musco-Quercetum* Jov. (III).

Specimens were collected mostly from the soil squares 25 x 25 x 25 cm. Some specimens were collected from the ground as well.

In these three communities species from three subfamilies (*Myrmicinae*, *Ponerinae*, *Formicinae*) were found.

Subfamily *Myrmicinae* was presented by following species: *Myrmica sabuleti* Meinert 1860 in the community I, *Aphenogaster* sp. in the communities I and II, and *Diplorhophtrum fugax* Latreille 1798 in the community III.

From the subfamily *Ponerinae* the species *Ponera coarctata* (Latreille 1802) was found in the communities II and III.

The most numerous are the species from the subfamily *Formicinae*. This subfamily is represented by 8 species: *Camponotus herculeanus* Linne 1758 and *C. aethiops* Latreille 1798 in the community I, *Lasius alienus* Förster 1850 in the communities I and II and *L. flavus* Fabricius 1781 in the community II. *Formica gagates* Latreille, 1798 and *F. cunicularia* Latreille 1798 in the community II were found. Two species of the genus *Prenolepis* were found: *Prenolepis* sp. in the community II.

Among 12 species found in the communities on the mountain Jastrebac, two species (*Myrmica sabuleti*, Meinert and *Formica cunicularia* Latr.) are new for the Myrmecofauna of Yugoslavia.

Since the given list of species is based mostly on the specimens collected from the soil squares, it is possible that the number of the species in these communities is bigger.

To complete Myrmecofauna in these communities it should be necessary to continue these investigations by collecting the ants more systematically, such as searching potential nests under stones, in decaying woods, as well as in the limiting areas of defined communities.

Therefore, this paper presents first contribution to Myrmecofauna of the oak-tree communities on the mountain Jastrebac.