

Subfamily *Dolichoderniae* was presented by the species *Tapinoma nigerrimum* Nyl., 1896, in the community III.

The most numerous are the species from the subfamily *Formicinae*. This subfamily is presented by two genera (*Lasius* Fabricius, 1804 and *Formica* Linné, 1758), and eight species: *Lasius alienus* F., 1850, and *L. brunneus* Latr., 1798, in the community II, *Formica fusca* L., 1758, in the communities III, IV and V, *F. gagates* Latr., 1798 and *F. lemni* Bondr., 1917 in the communities III, IV, V and VI, *F. cunicularia* Latr., 1798 and *F. pratensis* Retz., 1783 in the community III, and *F. setysi* Bondr., 1918 in the community I.

Among 14 species found in the investigated communities, the genus *Sifolinia* Em., as well as the species *Sifolinia laurae* Em. are new form the Myrmecofauna of Yugoslavia.

Since the given list of species is based on the specimens collected by sweeping net, it is possible, that the number of species in these communities is bigger.

To complete Myrmecofauna of these communities on the mountain Stara planina, it should be necessary to continue these investigations by collecting the ants more systematically, using pit-fall traps, as well as searching potential nests under stones and in the decaying woods.

Therefore this paper presents the first contribution and gives the provisional list of the Myrmecofauna of the mountain Stara planina.

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