

Distribution of Lignicolous Macromycetes, Parasites and Saprophytes, on *Juniperus* spp. in the Balkan Peninsula.

Mitko KARADELEV

Institute of Biology, Faculty of Natural Sciences and Mathematics, P.O. Box 162,
1000 Skopje, the Republic of Macedonia

The investigations of lignicolous macromycetes were carried out on 5 juniper species (*Juniperus excelsa*, *J. foetidissima*, *J. sabina*, *J. communis* s.l. & *J. oxycedrus*). The first three juniper species belong to the section *sabinae*, and the last two to the section *oxycedri*.

The investigations of unequal intensity were carried out in the period of 1989-1992 in the Central Balkan countries as Yugoslavia, Bulgaria, Macedonia and north Greece. Most finds were made in spring and autumn; summer is very hot and dry and few species are developed.

All the 34 lignicolous macromycetes on *Juniperus* spp. known so far belong to the genus *Aphyllphorales* (*Basidiomycotina*), mainly to the families *Corticaceae* (22) and *Polyporaceae* (4).

In numbers the proportion of the lignicolous macromycetes species to the substrates is as follows: on *Juniperus excelsa* 28 species were collected, on *J. foetidissima* 5, on *Juniperus communis* s.l. 6, on *J. oxycedrus* 11 species and on *J. sabina* 3 species.

Some of the fungi grow predominantly or exclusively on various species of the genus *Juniperus* such as: *Amylostereum laevigatum*, *Antrodia juniperina*, *Hyphodontia juniperi*, *Peniophora junipericola* and *Pyrofomes demidoffii*.

Of the registered species, rare species found only once or twice are: *Athelia neuhofii*, *Byssomerulius hirtellus*, *Gloeocystidiellum luridum*, *Hyphoderma pallidum*, *Hyphoderma obtusifforme*, *Scytinostroma aluta*, *Steccherinum litschaueri*, *Subulicystidium longisporum*, *Tubulicrinis medius*, *Tubulicrinis sororius* and *Vesiculomyces citrinus*.

The species *Antrodia juniperina* and *Pyrofomes demidoffii* were collected only on Greek juniper (*Juniperus excelsa*). The latter is a dangerous parasite on old Greek juniper trees.