

Kalmış, E. & Kalyoncu, F. 2008. The effects of some environmental parameters on mycelial growth of two ectomycorrhizal fungi, *Tricholoma caligatum* and *Morchella angusticeps*. – Mycologia Balcanica **5**: 115-118.

Abstract. A comparative evaluation was conducted to assess the effects of some environmental parameters such as pH, type of carbon source and temperature on the mycelial growth of two species of ectomycorrhizal fungi, *Tricholoma caligatum* and *Morchella angusticeps*. All carbon sources were found to be equally beneficial for mycelial growth. However fructose and sucrose were better sources of nitrogen. Maximum mycelial growth in Petri dishes was achieved at 25 °C after 8 and 20 days for *T. caligatum* and *M. angusticeps* respectively. Growth was reduced significantly below 15 °C and above 35 °C. Different pH levels (4.5 to 8.0) markedly affected the mycelial growth of the fungi.

Key words: ectomycorrhiza, *Morchella angusticeps*, mycelial growth, *Tricholoma caligatum*