

**Dalili, S.A.R., Nanagulyan, S.G. & Alavi, S.V.** 2008. Identification of *Armillaria* species on different hosts from Iran. – *Mycologia Balcanica* **5**: 119-122.

**Abstract.** Thirty five isolates of *Armillaria* were obtained from 15 different host species in fruit orchards and forest regions of Iran. In order to identify species, diploid and haploid cultures were paired with two or three known haploid tester isolates from each intersterile group. Sexual compatibility was evaluated after 6 to 8 weeks based on changes in morphology of haploid colonies from white, with aerial mycelium (fluffy) to brownish, without aerial mycelium (crustose). *Citrus aurantium* and *Abies alba* were identified as new hosts of *Armillaria mellea*; *Carpinus betulus* was identified as a new host of *Armillaria gallica* in Iran, which previously has been reported from Serbia and Montenegro. *Armillaria* spp. isolated from *Diospyros lotus*, *Carpinus betulus*, and *Alnus subcordata*, were not compatible with any tester strains. *Diospyros lotus*, *Citrus aurantium*, and *Abies alba* were new hosts of *Armillaria* spp. from Iran.

**Key words:** *Armillaria*, compatibility test, Iran, isolates, hosts