OCCURRENCE OF MYCOGONE ROSEA LINK ON MACROFUNGI

Mycogone rosea Link megjelenése nagygombákon

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Mycogone rosea Link is an intrahymenial ascomycete that forms a striking pink coating on the substrate. Chlamydospores of this species are distinctively round, 25-35 x 18-23 microns and located on a cladobotryum-type conidium holder. The infected fruiting body is reduced and deformed, does not form spores and has a rotting smell. This fruiting body will not be decomposed for weeks. According to the literature, it has appeared on the genera Amanita, Agaricus, Cortinarius, Inocybe, Pholiota, Russula, Lactarius, Lepiota, Tricholoma, but many species have not been described. It parasitizes mainly Amanita species. Previously we observed this species on Amanita pantherina (DC.) Krombh. and Amanita citrina Pers. in Hungary. We described it on the mycelium of Amanita phalloides (Fr.) Link in vitro experiment in 2019, however, it has not been found on the fruiting body. In addition, we detected it on Amanita caesarea (Scop.) Pers. in a hornbeam-oak forest of Parádfürdő, and on Amanita rubescens Pers. from a beech forest in Mátraháza. Besides these, we found it on Entoloma rhodopolium (Fr.) P. Kumm. in oak forest on Mátraháza. We observed that, the spores on the infected fruiting body are white at morning, which ripen and turn pink after 8 hours. We have photos of the infected substrates and we placed fungarium specimens in the natural science laboratory of the Mátra Forestry Technical College in Mátrafüred. Previously, M. rosea was not described such as substrate of genus Entoloma, so we expanded the list of substrates of this species to 10 fungal genera. M. rosea probably parasitizes several species of fungi therefore, we continue the investigations in order to get to know this species.