

عنوان مقاله:

FUNGI ISOLATED FROM AGARICUS BISPORUS IN TEHRAN PROVINCE WITH SPECIAL REFERENCE TO VERTICILLIUM FUNGICOLA

محل انتشار:

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خلاصه مقاله:

During ۲۰۰۳-۰۴ major mushroom production units of Tehran province were sampled and ۱۰۳ fungicolous isolates were obtained (Table ۱). *Verticillium fungicola* (with ۵۰ isolates), *Trichoderma harzianum* (with ۲۴ isolates), *Cladobotryum dendroides* (with ۱۶ isolates) and *Acremonium crotoncinigenum* (with ۱۱ isolates) were the most frequent fungi associated with the cultivated mushroom, *Agaricus bisporus*. The report of *A. crotoncinigenum* and two varieties of *V. fungicola* (*fungicola* and *flavidum*) is new to the mycoflora of Iran. The validity of temperature tests for distinction between *T. harzianum* and *T. aggressivum* is under question as the Iranian isolates of *T. harzianum* have the same growth rate as those of *T. aggressivum*, but based on molecular data (AFLP) they are different from both species. They could however represent a new taxon. *Verticillium fungicola* causes dry bubble disease and also distortion and mummification of the fruit-bodies of *Agaricus bisporus* (Fig. ۱). The two varieties are indistinguishable from each other on morphological grounds (Fig. ۳), but they are distinct at ITS level (Fig. ۲).

کلمات کلیدی:

*Agaricus bisporus*, fungicolous fungi, *Verticillium fungicola*, *Cladobotryum*, *Acremonium*, *Trichoderma*

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