



The 1st International Conference on New Ideas in Agriculture  
Islamic Azad University Khorasgan Branch  
26-27 Jan. 2014, Isfahan, Iran



**EFFECT OF VOLATILE SECRETIONS OF *TRICHODERMA FUNGUS* STRAINS  
AGAINST *FUSARIUM CULMORUM* ISOLATED FROM THE RICE**

*Seyed ebrahim Farajizadeh*

*field of Plant Pathology, Islamic Azad University - Shiraz Branch, & In-Charge of  
Communications. (Email: s.ebrahim-farajizadeh@live.com)*

**ABSTRACT**

Antagonistic mechanism of two isolates of *Trichoderma harzianum* (THA & THM), one isolate of *T. virens*, one isolate of *T. koningi*, and one isolate of *T. longibrachiatum* against *Fusarium culmorum* isolated from rice was studied. In the investigation of volatile secretions of *Trichoderma Fungus* strains against *F. culmorum* isolated from the rice it was shown that in all three note-takings, the THA isolate had the highest inhibitory effect on the growth of *F. culmorum* mycelium by 40%, 63.91% and 62.36% respectively.

**Key words :** Antagonistic mechanism, *Trichoderma* isolate, *Fusarium culmorum*



The 1st International Conference on New Ideas in Agriculture  
Islamic Azad University Khorasgan Branch  
26-27 Jan. 2014, Isfahan, Iran

