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**Abstract:** Tomato (*Solanum lycopersicum* L.) is a widely grown vegetable crop acquiring the status of world's most popular vegetable due to its importance for nutritive value, processing and export potential. Tomato is affected by many diseases among which wilt caused by *Fusarium oxysporum* f.sp. *lycopersici* is one of the important disease, resulting in 25-55% yield loss around the world. *Fusarium oxysporum* f.sp. *lycopersici* is a serious soil-borne pathogen and persists for longer periods in the soil. The antagonistic activity of *Trichoderma* against *Fusarium oxysporum* were examined on potato dextrose agar plates by dual culture method. The results revealed that, all the antagonists showed inhibitory effect on growth of the test fungus and were effective in controlling the growth of pathogen. There were two species of *Trichoderma*, *Trichoderma harzianum* (TH) and *Trichoderma viridae* (TV). Among the strains of *Trichoderma harzianum* and *Trichoderma viridae* *Trichoderma viridae* was found to be most effective in inhibiting the growth of *Fusarium oxysporum* f.sp. *lycopersici* of about 40-60% growth of test fungus on 3rd and 7th day respectively, whereas *Trichoderma harzianum* inhibited 14.5-20% on 3rd and 7th day respectively.

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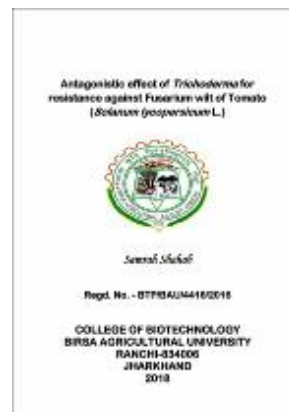
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