

عنوان مقاله:

The effect of Trichoderma on the growth and nutrition of medicinal plants

محل انتشار:

سومین کنگره بین المللی و چهارمین همایش ملی زیست فناوری گیاهان دارویی و قارچهای کوهی (مجازی) (سال: 1400)

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خلاصه مقاله:

Trichoderma species increase plant growth under certain mechanisms. Among the mechanisms mentioned are the biological control of soil diseases by enzyme secretion, production of antibiotics and penetration into the body of pathogenic fungi, detoxification and increased transfer of sugar and amino acids in plant roots. Induction resistance to environmental stresses, increase nutrient uptake by increasing solubility of elements, secretion of growth hormones and hormone-like and production of xylanase and cellulase enzymes that can directly produce ethylene in the plant In response to the presence of a pathogen to stimulate, he noted. All of these mechanisms ultimately increase nutrient uptake and ultimately the development of the root system. Various factors affect the effectiveness of trichoderma. The type of isolates and even different species of Trichoderma as well as the methods of application of Trichoderma can have different effects on traits and growth factors

کلمات کلیدی:

Trichoderma, biofertilizers, plant growth and nutrition

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