

عنوان مقاله:

Effect of Humic acid and slow phosphorus release fertilizer with chitosan nanoparticles coating on lettuce photosynthetic characteristics
phosphorus coated with chitosan on lettuce

محل انتشار:

ششمین کنفرانس ملی شیمی و توسعه فناوری نانو (سال: 1401)

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خلاصه مقاله:

The application of controlled-release fertilisers (CRF) is one of the methods that can be used to enhance the nutrient consumption efficiency as well as minimizing the environmental problems due to leaching of uncontrolled nutrient released. In the present paper, diammonium phosphates (DAP) fertilizer was coated following the by chitosan (CS). Then its effect and humic acid (HA) effect on the photosynthetic characteristics of lettuce in hydroponic environment was investigated. The results showed that significant increase in the chlorophyll a, b and total chlorophyll contents were observed CSHA and CS³⁰%HA

کلمات کلیدی:

Chitosan; Humic acid; Nanocomposites; Slow delivery

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