عنوان مقاله:

Effects of Silver and on the Plant-Soil Ecosystem

محل انتشار:

هفتمین کنفرانس بین المللی پژوهش ها و نوآوری های علوم کشاورزی و محیط زیست (سال: 1401)

تعداد صفحات اصل مقاله: 8

نویسنده:

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خلاصه مقاله:

Nanobiotechnology accelerated almost every sector of agriculture sciences andcrop research. It is well understood that the use of nanobacteria for thescientific and agriculture field enables a lot of advantages over conventionalmethods. Biofertilizers based on nanotechnology are quite useful for plantgrowth and developments however according to various studies, theperformance, and activity of nanoparticles are very different according to theiramount and type. also, their non-destructive biological properties and abilityto survive in the environment are still in question and should be given specialattention. Therefore, the study of the toxicity effects of nanoparticles is still inthe early stages, and further studies are required. On the other hand,Investigations, indicate toxicity of nanomaterials is an emerging serious issue.Microbial community and soil health which directly or indirectly related tohuman health and wellbeing must be protected from the unnecessarydeposition of nanomaterials it should be noted increased applications andusage quantity also lead to a threat of release of NPs to the environment,therefore, scientists, industry, and environmentalists must work together toensure the safe release of materials into the environment Because of theuncontrolled and irregular expansion of nanoparticles can have irreversibleeffects on the environment

کلمات کلیدی:

Silver,CuO Soil, Plants, Ecosystem

لینک ثابت مقاله در پایگاه سیویلیکا: