

Title: Desert vegetation restoration under photovoltaic panels

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This study investigates the effects of different photovoltaic (PV) panel types on soil and biological soil crusts (BSCs) under vegetation restoration in sandy areas.

This study investigated the soil environmental effects of different PV arrays within a desert PV station under fragile habitat conditions, supporting effective approaches for enhancing the ...

This study not only provides robust theoretical support for ecological restoration in desert PV plants, but also offers practical experience applicable to vegetation restoration efforts in similar ...

This study shows the great benefits of PV power stations in combating desertification and improving people's welfare, which bring sustainable economic, ecological and social prosperity in ...

Across arid plateaus in western China, vast solar arrays are recasting dunes as power plants--and, in some places, reshaping ecological conditions under their shade. New field research ...

Large-scale deployment of photovoltaic (PV) farms alters the surrounding microclimate. Microclimate changes and engineering buildings have caused significant changes in vegetation, ...

This study systematically evaluated the effects of three typical desert restoration models in the Hobq Desert--the integrated photovoltaic-agriculture model (PV-Ag), the artificial shrub...

By integrating soil physicochemical properties and a Soil Quality Index (SQI), this study aims to determine the optimal vegetation restoration strategy for enhancing ecological recovery, soil quality, ...

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