



Photovoltaic panels and Haloxylon ammodendron





Overview

The research focuses on two ecological governance measures: (1) the direct planting of *Haloxylon ammodendron* in bare sand in front of, between, and behind photovoltaic panels and (2) the planting of *H. ammodendron* after laying straw checkerboard barriers. Abstract: Stem photosynthesis (P_g) is an alternative and significant carbon source, playing a. Drought and salt stress are important abiotic stressors that adversely affect the growth, resistance and survival of plants.



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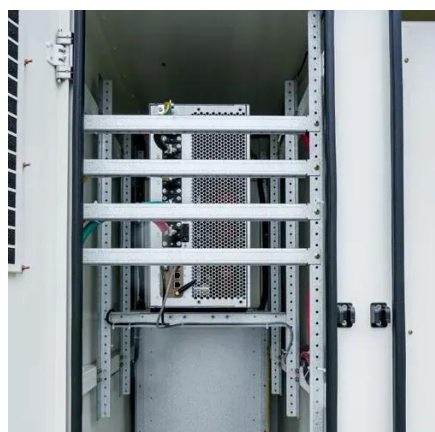


[Degradation mechanisms and restoration strategies of Haloxylon](#)

This study revealed the multi - scale driving mechanisms of H. ammodendron degradation, providing a scientific paradigm for ecological restoration in global arid regions.

[Effects of Two Ecological Governance Measures for Photovoltaic ...](#)

The research focuses on two ecological governance measures: (1) the direct planting of Haloxylon ammodendron in bare sand in front of, between, and behind photovoltaic panels and (2) ...



[Restoration status of 38-year-old Haloxylon ammodendron plantations](#)

Because of its more suitable catchment area for a single H. ammodendron in the region's soil-desert stand conditions, it makes both models suitable for planting H. ammodendron -dominated ...

[Long-term impact of Haloxylon ammodendron plantations on the ...](#)

The transformation of natural deserts into H. ammodendron plantations significantly impacts the community structure of ground arthropods, with changes observed according to the age ...



Haloxylon Ammodendron

In addition to tree shelterbelts, some areas have begun to establish buffer protection zones composed of Haloxylon ammodendron in the regions bordering the desert. Haloxylon ammodendron is a common ...



[Stem photosynthesis and its main influencing factors of Haloxylon](#)

Abstract: Stem photosynthesis (Pg) is an alternative and significant carbon source, playing a crucial role in plant survival under extreme environment.



[Haloxylon ammodendron plantations: enhancing multi-trophic ...](#)

In this study, we set up a vegetation gradient in the desert-oasis ecotone of Zhangye Oasis, Hexi Corridor, spanning from natural desert vegetation (mobile and fixed sandy dunes) to ...



[Planting Haloxylon ammodendron under photovoltaic panels](#)



An in-situ field experiment was established to examine the influence of a long-term enhanced precipitation and N deposition on the photosynthetic traits and physiological characteristics of ...



[Hydraulic characteristics and carbon metabolism of Haloxylon](#)

Studies have shown that drought and salinity affect the hydraulic properties of *H. ammodendron*, reducing the water content and water potential of assimilation branches and ...



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