



# Photovoltaic panels and Haloxylon ammodendron





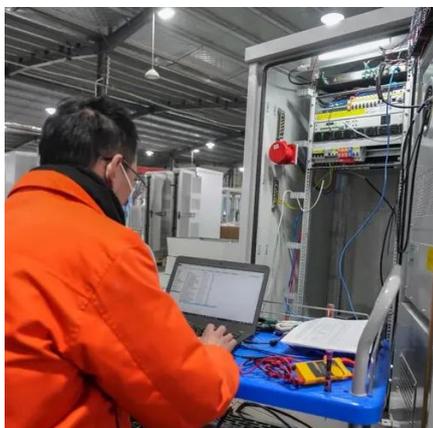
## Overview

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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.



## Photovoltaic panels and Haloxylon ammodendron



### [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 ...](#)

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### [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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