

# **Rehabilitation of severely salt-affected soils by subsurface drainage with pump well and the application of solar energy on the management of salty drainage water**

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## **Abstract**

The on the drainage of vertical pumpdrain was conducted in the severely salt\_affected soil with the electrical conductivity of 57.23 dS/m and the Exchangeable Sodium Percentage of 59.30. The soil salinity at the deepest depth of study and at the 15 m from the pumped well gradually decreased. The results of the study has not clearly identified as the problem of the pumping condition and the severely sodic salt affected soil which retarded the leaching of soil from the soil profile.

**Keywords:** saline soils, sub surface drainage