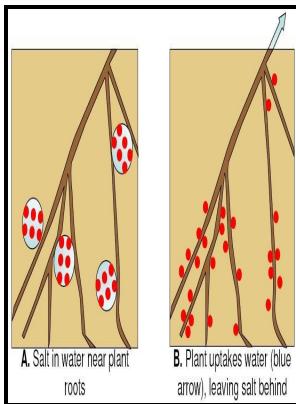


# Controls on and reduction of the sodicity hazard of soils of the Euphrates valley (Syria).

University of Salford - Climate, history, and demography : a case



Description: -

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DX181353Controls on and reduction of the sodicity hazard of soils  
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**Climate, history, and demography : a case**

They found an inverse correlation between palygorskite and smectite with soil available moisture Figure 9.

**Salt Affected Soils**

It was also shown that Vertisols are distinguished by weak magnetism, but simultaneously, the presence of a small fraction SD-like magnetite. The level and ability of plants to tolerate salt stress is the most critical information for the successful management of salt-affected agricultural lands and saline irrigation waters.

**High-magnesium waters and soils: Emerging environmental and food security constraints**

Examples of past and present important salt-induced land degraded areas include the Aral sea Basin Central Asia , the Indo-Gangetic Basin India , the Indus Basin Pakistan , the Yellow River Basin China , the Euphrates Basin Syria and Iraq , the Murray-Darling Basin Australia , and the San Joaquin Valley United States Qadir et al. Four scenarios were studied depending on the actual situation RF with improving the irrigation efficiency: 1 Reuse of reclaimed agricultural water return, 2 Optimum exploitation of Zeita reservoir, 3 The reducing of the per capita share of drinking water and minimizing evaporation from the surface of Kattenieh Lake, and 4 Separation between Homs-Hama networks and raising their water conveyance efficiency by exchanging them with pressured pipe networks.

**Soil Salinity: Historical Perspectives and a World Overview of the Problem**

Thus, adequate Ca<sup>2+</sup> is required in the medium to maintain the selectivity and integrity of the cell membrane of plants grown in a saline environment Aslam et al.

**PROBLEMS AND EFFECTS OF IRRIGATION IN THE NEAR EAST REGION**

For centuries, humanity and salinity have lived one aside the other. By providing fast, timely, relatively cheap, and repetitive data, HRS plays an

important role in detecting, mapping, and monitoring salt-affected surface features.

### **Climate, history, and demography : a case**

The origin of palygorskite in this study was mainly attributed to pedogenic processes. Salt-affected soils exist mostly under arid and semiarid regions. Moreover, as noted in the profile's description, the groundwater table was in the frames of the soil profile at the time of sampling.

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