

# **STUDY OF OPPORTUNITIES FOR DRAINAGE WATER REUSE IN THE BASIN OF OUARGLA (SOUTH OF ALGERIA)**

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## **Abstract:**

In the arid and semi arid areas, excessive use of water resources, inadequate irrigation techniques and the lack of an adequate and efficient drainage system had a very negative impact on both ecological and economic terms. Large areas with high agricultural potential also the palm of Ouargla, are now threatened by the chott areas invasion and groundwater rising. In this context and in order to slow the groundwater rising that arrives the ground surface in some places and that increasingly threatens date palms in the region of Ouargla, we have set as our main objective the desalination of drainage water and its reuse in irrigation and/or groundwater recharge, After firstly improved the existing drainage system.

**Keywords:** Drainage ; Reuse ; Purification ; Desalination