

**INVESTIGATION OF SELECTED WATER QUALITY PARAMETERS
AFFECTING REUSE OF WATER**

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ABSTRACT

Jordan is indirectly reusing most of the treated wastewater for agricultural purposes. The effluents from Assamra and Abu-Nuseir wastewater treatment plants (WWTP) are discharged to King Talal Reservoir (KTR). This research aims at investigating the suitability of the effluents of treated wastewaters as well as KTR for reuse in irrigation, and to monitor the variations in the amount of pollutants associated with inflows and outflows of the reservoir (KTR). Correlations and inter-relations for the different quality parameters of the influent to the reservoir (WWTP effluents) and reservoir effluent were the aim of the statistical analyses carried out on the samples collected and analyzed from the investigated sites.