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Title: The Role of Public Awareness Towards Sustainable Use of Treated Wastewater in Agricultural Irrigation

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Funded by: Austrian Development

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## **Abstract:**

Water, which is an important natural resource in Palestine, requires adequate management and practices aiming at efficient use and distribution. Treated wastewater should be reused with acceptable quality plays a crucial role as an additional water source considering groundwater protection and conservation.

Lack of public awareness is one of the major issues behind the limited success of wide spread of treated wastewater use in agriculture. The main objective of this study was to investigate the impact of public awareness towards sustainable use of treated wastewater in agricultural sector.

The research methodology applied was two folds: conduction of technical workshops for three targeted group Students, women and farmers in Anza, Beit Dajan and West Bani Zaid in the West Bank, and distribution of questionnaires. The SPSS data obtained from previous baseline studies, and then compared with those after workshops conduction.

Researcher found by linking some variables that females have more knowledgable and good positive attitude about wastewater treated reuse than males, in addition to that Anza and Beit Dajan community encourage the reuse of treated wastewater for agriculture more than West Bani Zaid and this related to the nature of these village and their dependency on agriculture in their monthly income.