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### **Study Ahwaz citizen's awareness and cooperation in recycling materials**

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This study aimed at investigating the awareness degree and participation of Ahwaz citizens in recycling of matters in the solar year 1383-84. Data were obtained from two Ahwaz districts -Kianpars and Hasirabad - by means of a questionnaire using field Sampling. Calculation of municipal Solid wastes tonage and annual production of urban Solid Wastes. Then Statistical Calculations were used for the analysis of the data. Results showed similar positive tendencies towards recycling by the residents of the two districts, and they believed in implementing the recycling project. That is, there was no correlation between the residential area and the degree of participation. Similarly, the family parents' education degree did not have any correlation with the degree of urban solid wastes. The average recyclable matters between the residents of Kianpars outran that of the residents of Hasirabad, which is assumed to arise from the economic and financial privileges of Kianpars residents. The study also stressed the importance of motivational factors such as nonmonetary rewards in the achievement of the project objectives. It also showed that these factors do not correlate with the educational degree and the residential district of the population. In addition, the study Calculated the tonage of Ahwaz urban solid Wastes to be approximately 1065 tons which, due to the high proportion of nutritional and decayable matters, makes the conversion into compost necessary. The success of the long-term recycling program is made if the rationale for the public participation is accepted by the public, the level of education increases and political, legal and economic supports are implemented. In line with the decrease of greenhouse gases and preservation and principled use of natural resources, employment, and decrease of environmental pollution, recycling of matters is economically and nationally of paramount importance.

**Keywords:** Recycling, Awareness, Urban solid wastes, Population, Participation

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