

# **The behavior analysis of agriculture students of the Universities of Guilan Province with Respect to Renewable Energy Sources in the Agricultural Sector**

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**The present descriptive survey aimed to analyze the behaviors of agriculture students in the universities of Guilan province, Iran with respect to renewable energies in the agricultural sector. The statistical population was composed of all students of agriculture faculties in Guilan province (N = 2000). The sample size was determined to be n = 200 using the least sample size tables of Bartlett and colleagues. The research instrument was a self-designed questionnaire composed of two sections. The first section collected demographic information and the second section dealt with behavior indicators (knowledge, attitude, and perception). A panel of experts confirmed the face and content validity of the questionnaire, and its reliability was estimated by Cronbach's alpha (to be 0.843 for knowledge subsection, 0.714 for attitude subsection, and 0.754 for perception subsection). Data were analyzed at descriptive and inferential levels by the SPSS19 software package. The results showed that knowledge had a significant positive relationship with the marital status, age and educational level of the studied people. The age and educational level of the participants were related to their attitude significantly. Similarly, there was a significant relationship between the perception of students and their job. The knowledge of participants differed significantly between single and married people, between different ages, between individuals with different educational levels, and between individuals with different jobs. Also, the attitude of the individuals differed depending on their ages and educational levels. A significant difference was observed in the perception of participants with different educational places and jobs. According to the results of cluster analysis of students' behavior, 44 individuals had a low, 98**

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individuals had a moderate, and 58 individuals had a high level.

**Keywords : Renewable Energy, Knowledge, Attitude, Perception**

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