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## Investigation of the effects of occupational health and safety behaviors on the climate safety of workers according to planned behavior theory

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**Aim:** The study was conducted to examine the relationship between safety climate and factors affecting occupational health and safety behaviors of workers.

**Materials and Methods:** The research was carried out at the Mus Sugar Factory in Mus city center between July 2015 and December 2016. The researchers' universe was formed by 321 workers in the Mus Sugar Factory. To collect data: "Questions about socio-demographic characteristics of workers", 'The scale used to evaluate workers' behavior' and 'Security Climate Scale' were used.

**Results:** The average points of the scale used to evaluate behavior of the workers was determined to be  $122.04 \pm 21.840$ . The average points of workers' safety climate was found to be  $53.87 \pm 11.430$ . As a result of the evaluation of the research data; the age of the workers, the educational status, the income status, the working hours in the institution and the total working hours and the subscales used in the evaluation of the behavior of the workers determined that the difference between the mean points was statistically significant ( $p < 0.05$ ). As the total score of the safety climate scale increased, the norms dimension of the chiefs, norm dimension of the colleagues, and security behavior dimension scores were found to increase. There was a significant relationship between the security climate and the dimension of the norms of the chefs, the dimension of norms of colleagues, and the dimension of security behavior ( $p = 0.000$ ).

**Conclusion:** It was seen that the behavior of the workers was higher than the average of the total points, the gender, the family type did not affect the behavior ( $p > 0.05$ ), the norms of the chefs, the norms of the workmates and the security behavior affected the security climate ( $p < 0.05$ ).

### Biography

Sonay Bilgin finished PhD in Nursing from Ataturk University in the field of Public Health Nursing in 2011. She received the title of Assistant Professor in the same year. She has conducted research on subject such as, cancer, nursing care, life quality, work health. Currently, Ataturk University, Faculty of Nursing is Assistant Professor.

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