

Abstract

Previous studies acknowledge the relationship between safety climate and safety performance. Furthermore, some studies have uncovered the key role of safety communications in improving the safety results of construction sites. Some recent studies in the field of the safety climate have considered safety communications as a subset of safety climate. However, this assumption has led to the superficial examination of safety relationships and not careful investigation of the communication features (such as communication patterns, communication modes, and so on). Understandably, this issue has distinguished this study from the other studies from the point of view of creating an innovation in the safety industry's literature. This paper investigates the role of the intermediary of safety communications in the relationship between safety climate and safety performance. To this end, the excavator crews of 36 deep excavation projects were examined; data analysis obtained from 251 questionnaires confirmed the above hypothesis. This study has theoretical and practical implications in safety management of construction projects that can be used by researchers and professionals.