

A LABOR RISK FACTOR IDENTIFICATION MODEL FOR AGRICULTURAL ORGANIZATIONS USING LEARNING MANAGEMENT SYSTEM TOOLS

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Occupational risk factors are known as all those environmental conditions and working materials that can potentially affect workers health and produce undesirable effects upon sector productivity. In this sense, it is necessary to develop mechanisms that allow the identification, prevention and control of these threats, taking as a starting point the economic activity of the organizations. The purpose of this research was to build a learning tool to raise awareness in the community, using information and communication technologies (ICT), reducing incidents, accidents and occupational diseases in the agricultural sector of the Bogotá Savanna, achieving better compliance with the established regulations. To that end, an initial diagnosis of the occupational risk factors will be carried out according to its specific field, by means of the implementation of an occupational risk matrix in 3 work places that fulfill different functions in the same process, taking into account the information obtained, a tool based on E-learning is designed. This tool will be implemented in the 3

selected companies to validate its effectiveness and coherence in obtaining and analyzing the information collected, the data obtained will be compared with the initial information and an analysis of expected results will be carried out. Once this is obtained, the tool will be evaluated through an experimental design with a control group and an analysis of the main risk factors will be carried out to generate a strategy that minimizes the labor risks identified in the company's object of study.

Biography

Claudia Milena Ospina López graduated from Universidad Distrital Francisco Jose de Caldas as Biology Licensee, with the specialties Health and Safety at Work Management from Escuela Colombiana de Carreras Industriales. She completed her Post-graduation in Environmental Sciences from Ambientales UDCA and then started working at Corporación Universitaria Minuto de Dios where she has continued research.

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