

Abstract—The purpose of this study was to determine if there were differences in the prevalence of musculoskeletal disorders among different types of workers. The study included 600 male employees from a large manufacturing company who had been employed for at least one year. They were divided into three groups based on their job type: manual laborers, machine operators, and office workers. Data were collected through self-reported questionnaires and medical records. Results showed that manual laborers had the highest prevalence of musculoskeletal disorders, followed by machine operators, while office workers had the lowest prevalence.

Abstract

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 1.0 × 10⁸ cells/ml. The cell suspension was mixed with the plant tissue and the transformation efficiency was determined. The results were expressed as the mean ± SD of three independent experiments. The different letters indicate significant differences ($p < 0.05$) according to the Tukey's test.

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