سیویلیکا – ناشر تخصصی مقالات کنفرانس ها و ژورنال ها گواهی ثبت مقاله در سیویلیکا (**We Respect the Science** CIVILICA.com

عنوان مقاله:

Identification of Dairy Fungal Contamination and Reduction of Aflatoxin M\ Amount by Three Acid and Bile Resistant Probiotic Bacteria

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خلاصه مقاله:

Aflatoxins (AFs) released by fungi are observed in the cow's milk even after pasteurization. Aflatoxin M\ (AFM\) has particularly an incredible clinical significance, as a critical carcinogenic agent for humans. Several strategies have been implemented for lowering the AFM\ amount, such as the employment of probiotics, particularly lactobacilli or lactic acid bacteria (LAB). However, this strategy has not been applied routinely until today. This study aimed to evaluate the effect of three LABs on the reduction of AFM\ in traditional milk and cheese samples. In total, ΔΔ milk (n=₹Δ) and cheese (n=₹·) samples were obtained from the open markets of Shiraz, Iran, from February to June Υ·\λ. Additionally, the AFM\ levels were evaluated, compared to those of the National Iranian Standard. The data were then analyzed in SPSS software (version Y·) through the Chi–square test. Statistical analysis was performed at a \\(\dagger \dagger \cong \cong \congrightarrow \cong

كلمات كليدي:

Aflatoxin M1, Contamination, Lactobacillus, Probiotics

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