

## عنوان مقاله:

Survey of fecal and non- fecal coliform contamination in water samples from inlet and outlet branch of meat poultry farms in Tonekabon

## محل انتشار:

نخستین همایش ملی یافته های نوین میکروبیولوژی (سال: 1394)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Identification of pathogenic microorganisms in water used as broiler farms, due to its transmission to human resources for dealing with public health fecal coliform and non-fecal are important and are indicators of water pollution, target this study was to identify biochemical and molecular mentioned coliform water inlet and outlet poultry is Tonekabon area. Method: In this study, 60 samples (30 samples input and 30 effluent) poultry from different areas around the city Tonekabon compliance with the standard conditions Vestry collected and the laboratory with testing MPN using the medium of lactose broth, BGB broth, EMB agar and differential diagnosis, biochemical in the probable and confirmed and supplementary income contamination of fecal and non-fecal samples poultry judge and investigations and for molecular identification of isolates, DNA by extraction kit Kiagen separated by primers Universal 27F and 1492 R to amplify a fragment 1465 bp gene 16 srDNA PCR amplification of DNA sequences and obtained analysis was done by software MEGA6. Results: In this study it is shown that the test MPN in the potential of the 60 samples, 30 samples of water inlet and 30 outlet water poultry Tonekabon city in the probable 42 positive reactions showed that the sample inlet water 18 and water samples output EMB agar biochemical test medium 18 Escherichia coli and Klebsiella pneumoniae was identified in 4 cases, 4 cases of Enterobacter and tested by PCR using primers confirmed the presence of these bacteria. Conclusion: Considering the high rate of fecal and non-fecal coliforms in water inlet and outlet Tonekabon poultry and the risk of disease transmission to human resources, it seems relevant .organizations, such as veterinary and health in order to control this type Pollution trying to take action

## کلمات کلیدی:

MPN testing and testing chain reaction PCR, fecal and non-fecal coliform

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/740600>

