

## Iran University of Medical Sciences, Faculty of Medicine Department of Microbiology In Partial Fulfillment of the Ph.D. Degree

## Title

Survey the effectiveness of endemic *Lactobacillus* in reduction of the inflammatory factors and microRNAs-21 and 31 expression in the human colon normal cell line and association between *Fusobacterium nucleatum* and expression of mentioned factors in patients with colorectal cancer

## **Supervisor:**

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## **Advisors:**

Dr. Malihe Talebi

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Dr. Aref Shariati

By:

Narjess Bostanghadiri

**Date:** April 28, 2024

**Time**: 12:30

The venue: Shahid Eftekharin Hall