

## Research into surface modifications of *E. coli lum* + under the influence of microwave radiation of millimeter range

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### Abstract

It is shown that the adhesion strength at the surface of the bacterial cells depends on the time of exposure to electromagnetic radiation of the millimeter range. The value of the adhesion force shows how the thickness of layers of water molecules adsorbed on the surface of bacterial cells change. Rightfulness of the use of modern phase theory in interpreting the experimental data obtained in studies of changes in the properties of microorganisms irradiated millimeter microwave radiation has been demonstrated.