ELECTRON RADIATION INFLUENCE ON YEAST CELL MORPHOLOGY PECULIARITIES

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The aim of this study was the investigation of electron radiation influence upon living cell using as the model bakers' yeast *Saccharomyces cerevisiae*. Dense suspension of yeast cells in distillate water was treated with different (minimal and maximal) - 1 and 60 Gy doses of electron radiation. It was revealed that also maximal irradiation dose used in these experiments has not decreased the level of population viability. At the same time some changes of cell surface structures characteristics were revealed after yeast cells irradiation with maximal doses. Such conclusion was made by obtaining of more intensive their fluorescense after staining of irradiated cells with fluorochrome primuline. Height topography images of irradiated cells were obtained using Atomic Force microscope. They also confirmed definite changes of cell surface after irradiation.