عنوان مقاله:

Checking of population of Listeria monocytogenes in feta cheese during its ripening by cellular automata

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خلاصه مقاله:

In this paper, we use cellular automata to provide a model for checking of population of Listeria monocytogenes in feta cheese during its ripening. For this purpose, after determining the characteristics and rules of Listeria monocytogenes, we simulated system in an artificial environment by using software Netlogo. Then, to evaluate the model, we compare the results of the model with real world behavior (laboratory results), in the form of diagram.Results of the model such as performed laboratory results witness against is that with reduction in cheese pH, Listeria population reduce.

کلمات کلیدی:

cellular automata, feta cheese, Listeria monocytogenes, modeling

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