

Massachusetts Center for Agriculture

University of Massachusetts Amherst

Biofilm Formation of *Listeria* SP and *Alicyclobacillus* SP in Pure & Mixed Cultures

Issue

Biofilms growing within processing plants can be a source of pathogenic and spoilage bacteria in foods. Knowledge of the genetics, growth within mixed systems and influence of spore formation during the biofilm growth cycle can be applied to cleaning and sanitation of the food environment to produce safer foods with longer shelf-life.

Impact

This research on the basic science behind biofilm production of *Listeria monocytogenes* has identified many unique genes that are utilized by this organism for biofilm formation. This knowledge will be the basis for new biofilm control strategies based upon the biological survival mechanisms.

Primary impact area(s)

- Research
- Education
- Extension

Funding sources

- Hatch

Topics

- Biofilm
- *Listeria monocytogenes*
- Competitive exclusion

Contacts

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