

Investigating ways to improve food safety : Ultrasonic salad cleaning

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Salad farm



Washing process

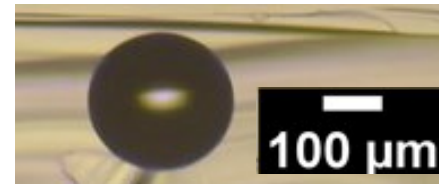


Rinsing process



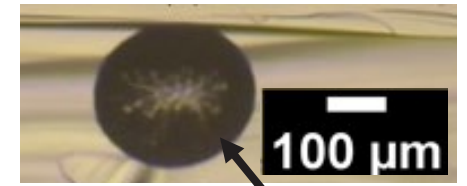
Ready-to-eat salads

Ultrasound OFF



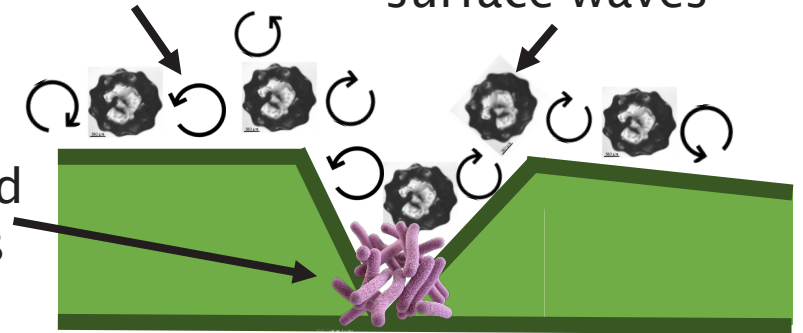
Microcirculation currents induced by surface waves

Ultrasound ON

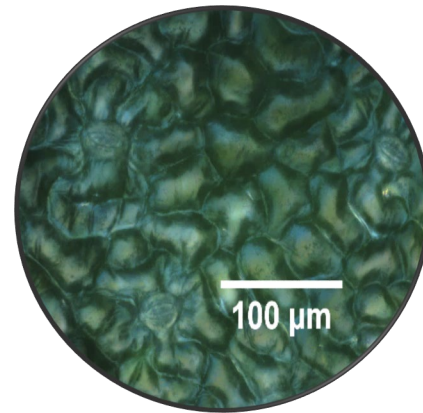


Air bubbles hosting surface waves

Bacteria trapped in leaf crevices



X400 magnification



Complicated leaf topography

Cleaning results (Day 6 post cleaning)

