Lisbeth Truelstrup Hansen - DTU Orbit (25/09/2019)
Lisbeth Truelstrup Hansen
Head of Research Group, Professor
National Food Institute
Research group for Food Microbiology and Hygiene
Postal address:
Kemitorvet
204, 220
2800
Kgs. Lyngby
Denmark
Email: litr@food.dtu.dk
Phone: 35886278
Mobile: 20640677
Web: http://www.food.dtu.dk

Research outputs:

A long-amplicon quantitative PCR assay with propidium monazide to enumerate viable Listeria monocytogenes after heat and desiccation treatments
Research output: Contribution to journal › Journal article – Annual report year: 2020 › Research › peer-review

Characterization of 17 elements in ten edible seaweed species from Greenland
Research output: Contribution to conference › Poster – Annual report year: 2019 › Research › peer-review

Characterization of Listeria monocytogenes enhanced cold-tolerance variants isolated during prolonged cold storage
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Comparative Analysis of Listeria monocytogenes Plasmids and Expression Levels of Plasmid-Encoded Genes during Growth under Salt and Acid Stress Condition
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Lad vand og data strømme
Research output: Book/Report › Report – Annual report year: 2019 › Commissioned › peer-review

Lateral flow sand filters are effective for removal of antibiotic resistance genes from domestic wastewater
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Screening-level microbial risk assessment of acute gastrointestinal illness attributable to wastewater treatment systems in Nunavut, Canada
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Antimicrobial resistance gene surveillance in the receiving waters of an upgraded wastewater treatment plant
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Chemical and microbial characteristics of municipal drinking water supply systems in the Canadian Arctic
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Disinfection and removal of human pathogenic bacteria in arctic waste stabilization ponds
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Fate and transport of antibiotic resistance genes in Arctic tundra wetlands receiving municipal wastewater
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review
A detailed view of *Listeria monocytogenes*’ adaptation and survival under cold temperature stress
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Chemical and microbial characteristics of municipal drinking water supply systems in the Canadian Arctic
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Entrapment in food-grade transglutaminase cross-linked gelatin-maltodextrin microspheres protects *Lactobacillus* spp. during exposure to simulated gastro-intestinal juices
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Genes involved in *Listeria monocytogenes* biofilm formation at a simulated food processing plant temperature of 15 °C
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Impact of zinc orthophosphate on simulated drinking water biofilms influenced by lead and copper
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Phenotypic and genetic characteristics associated with *Listeria monocytogenes* food chain isolates displaying enhanced and diminished cold tolerance
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

The Social Context of Drinking Water, Sanitation and Public Health in the Arctic Territory of Nunavut, Canada
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Use of plant essential oils to control single and mixed species biofilms formed by foodborne pathogens and spoilage bacteria
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Comparison of the Prevalences and Diversities of *Listeria* Species and *Listeria monocytogenes* in an Urban and a Rural Agricultural Watershed
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Fecal Contamination in the Surface Waters of a Rural- and an Urban-Source Watershed
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Genes Associated with Desiccation and Osmotic Stress in *Listeria monocytogenes* as Revealed by Insertional Mutagenesis.
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Performance of municipal waste stabilization ponds in the Canadian Arctic.
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Role of sigB and osmolytes in desiccation survival of *Listeria monocytogenes* in simulated food soils on the surface of food grade stainless steel
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

An investigation of human pathogen removal in a single cell waste stabilization pond in Arctic Canada
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review
Baseline and storm event monitoring of Bacteroidales marker concentrations and enteric pathogen presence in a rural Canadian watershed.
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Characterizing spatial structure of sediment E-coli populations to inform sampling design
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Effect of Hillslope Position and Manure Application Rates on the Persistence of Fecal Source Tracking Indicators in an Agricultural Soil
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Reach specificity in sediment E. coli population turnover and interaction with waterborne populations
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Antimicrobial activity of bacteriocin-like substance producing lactic acid bacteria isolated from commercial vegetable produce
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Evaluation of statistical models for predicting Escherichia coli particle attachment in fluvial systems
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Kinetics of biofilm formation and desiccation survival of Listeria monocytogenes in single and dual species biofilms with Pseudomonas fluorescens, Serratia proteamaculans or Shewanella baltica on food-grade stainless steel surfaces
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Role of initial contamination levels, biofilm maturity and presence of salt and fat on desiccation survivval of Listeria monocytogenes on stainless steel surfaces
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Antimicrobial activity of cyclodextrin entrapped allyl isothiocyanate in a model system and packaged fresh-cut onions
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Desiccation of adhering and biofilm Listeria monocytogenes on stainless steel: Survival and transfer to salmon products
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Increased Thermal and Osmotic Stress Resistance in Listeria monocytogenes 568 Grown in the Presence of Trehalose Due to Inactivation of the Phosphotrehalase-Encoding Gene treA
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Growth of Listeria spp. in shredded cabbage is affected by a mild thermal treatment
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Microencapsulation in genipin cross-linked gelatine-maltodextrin improves survival of Bifidobacterium adolescentis during exposure to in vitro gastrointestinal conditions.
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Molecular techniques and data integration: investigating distribution system coliform events
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

The survival of Listeria monocytogenes during long term desiccation is facilitated by sodium chloride and organic material
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review
Importance of autolysis and microbiological activity on quality of cold-smoked salmon
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Kvalitet af vakuumpakket koldrøget laks
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research

Quality of chilled, vacuum packed cold-smoked salmon
Research output: Book/Report › Report – Annual report year: 1996 › Research

Effects of salt and storage temperature on chemical microbiological and sensory changes in cold-smoked salmon
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Kvalitet af vakuumpakket koldrøget laks
Research output: Book/Report › Report – Annual report year: 1995 › Research

Quality of chilled, vacuum packed cold-smoked salmon

Projects:

Thermal Processing of Seaweeds and the Effects on Quality and Safety
Project: PhD

Greenland seaweeds for human consumption
Project: Research

Greenland seaweeds for human consumption
Project: PhD

Survival of Listeria monocytogenes in the food processing environment: Mechanisms and mitigation strategies
Project: PhD

Optimization of processes, yield and biomass composition in large scale macroalgae cultivation in open ocean environments
Project: PhD

Activities:

Microbiological methods in arctic projects
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Genbrug af vand i industrien - hvad kan vi som vidensinstitution hjælpe med?
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Wastewater treatment and removal of antibiotic resistance genes
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Exploring the global transcriptomic response of Listeria monocytogenes to desiccation on stainless steel
Activity: Talks and presentations › Conference presentations
Water reuse in the industry – legal, safety and quality challenges.
Activity: Talks and presentations › Conference presentations

Biofilm - hvad betyder det for produktionshygiejnen?
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Development of a long amplicon quantitative PCR method with propidium monoazide for enumeration of viable Listeria monocytogenes in food systems
Activity: Talks and presentations › Conference presentations

Biofilm - Hvad betyder det for produktionshygiejnen?
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Pathogenic organisms - no thanks: Use of next generation sequencing techniques in risk assessment and HACCP
Activity: Talks and presentations › Conference presentations

Biofilm i fødevareproduktionen – med fokus på overlevelse af Listeria monocytogenes: Fødevarestyrelsens Listeria Specialiseringskursus
Activity: Talks and presentations › Conference presentations

Listeria monocytogenes – rundt om patogenet: Fødevarestyrelsens Listeria Specialiseringskursus
Activity: Talks and presentations › Conference presentations

Drikkevand i Nunavut, Canada: Karakterisering og håndtering
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Biofilms in Food Processing
Activity: Talks and presentations › Conference presentations

Listeria er overalt men kan styres med en indsats
Activity: Talks and presentations › Conference presentations

Biofilm i fødevareproduktionen – med fokus på overlevelse af Listeria monocytogenes
Activity: Talks and presentations › Conference presentations

Listeria monocytogenes – rundt om patogenet
Activity: Talks and presentations › Conference presentations

Factors affecting survival of Listeria monocytogenes in food processing environments
Activity: Talks and presentations › Conference presentations

Prevalence and diversity of Listeria species and Listeria monocytogenes in an urban and agricultural source watershed:
Activity: Talks and presentations › Conference presentations
ArcticNet Annual Conference
Activity: Attending an event › Participating in or organising a conference

Press clippings:

EU høringsforslag vedrørende fælles europæiske standarder til renset spildevand
Press/Media: Press / Media

Sundhedsmæssige bekymringer ved at drikke råt vand
Press/Media: Press / Media

Hygiejne, mikrobiologi, forbrugeradfærd
Press/Media: Press / Media

Hygiejne, mikrobiologi, forbrugeradfærd, antimikrobielt
Press/Media: Press / Media

Hygiejne, mikrobiologi, og genbrug af vandflasker
Press/Media: Press / Media