

13th ICPMF

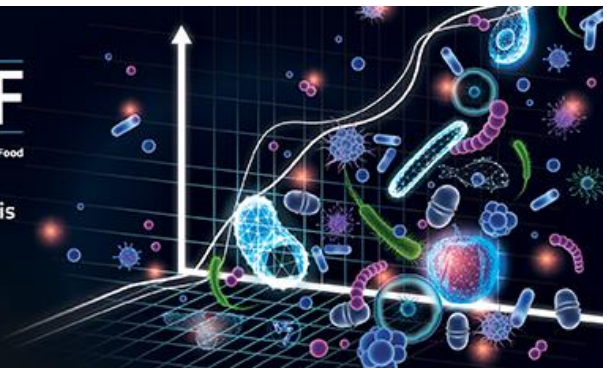
International Conference on
Predictive Modelling in Food



1-3
Sept.
2025

Technopolis
City of
Athens

AFEA



Curriculum Vitae

Shige Koseki, Ph.D.

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Agricultural and food process engineering,
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Web site: <https://www.afpe-hu.jp/en.html>



Educational background

2002 Ph.D., Bio-production Engineering, Hokkaido University, Japan
1998 M.S., Agricultural Engineering, Hokkaido University, Japan
1996 B.S., Agricultural Engineering, Hokkaido University, Japan

Professional background

2020 – present Professor of Agricultural and food process engineering,
Research Faculty of Agriculture, Hokkaido University
2013 – 2019 Associate professor of Agricultural and food process engineering,
Research Faculty of Agriculture, Hokkaido University
2010 – 2011 Visiting researcher, School of agriculture, University of Tasmania,
Australia
2007 – 2013 Senior Researcher, Food Engineering Division, National Food
Research Institute, Japan
2005 – 2006 Research Food Technologist, Food Engineering Division, National
Food Research Institute, Japan
2003 – 2005 Post-doctoral Research fellow of Japan Society for the Promotion of
Science, Food Processing Laboratory, National Food Research
Institute, Japan
2002 – 2003 Post-doctoral Research associate, Graduate School of Agriculture,
Hokkaido University, Japan
1998 – 1999 Research associate, San-Ei Gen. F. F. I., Inc., Japan

Research activities

- Associate member of ComBase: a database of microbial responses in food environments (University of Tasmania, UK Institute of Food Research, UK Food Standards Agency, US Department of Agriculture)
- Development of Microbial Responses Viewer (MRV): a new ComBase-derived

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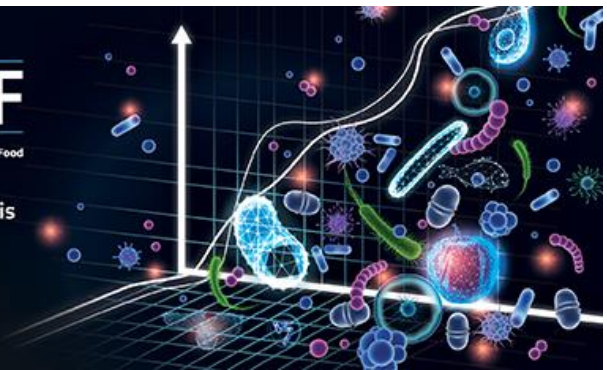
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database of microbial responses to food environments

- Non-thermal inactivation including sanitization of cut vegetables using electrolyzed water, high pressure processing and predictive modelling of bacterial growth on vegetables, microbial inactivation by high pressure processing.
- Evaluation and utilization of bacterial stress responses to various environmental stresses such as desiccation and osmosis.
- Evaluation of injured bacterial cells under desiccation and high temperature environment
- Development of emerging inactivation technologies using UVC-LED
- Stochastic microbial death modelling on single-cell level

Committees

- Editorial board member, Journal of Food Protection (2009 -)
- Editorial board member, International Journal of Food Microbiology (2010 -)
- Editorial board member, Applied and Environmental Microbiology (2012 -)
- Editorial board member, Foodborne Pathogens and Disease (2016 -)
- Technical Committee, The 6th International Conference on Predictive Modelling in Foods, Washington, DC, September 2009
- Scientific Committee, The 7th International Conference on Predictive Modelling in Foods, Dublin, September 2011
- Scientific Committee, The 8th International Conference on Predictive Modelling in Foods, Paris, September 2013
- Expert committee member, Expert committee of microorganisms and virus, Food Safety Commission of Japan (2013 -)
- Expert member, Joint FAO/WHO Expert Meetings on Microbiological Risk Assessment (JEMRA) (2018 -)
- President of Japan Affiliate of International Association for Food Protection (2019 -)
- Chair, 12th International Conference on Predictive Modelling in Foods, Sapporo, June 13-16, 2023.

Publications

143 journal papers, 9 book chapters.

Please see the details from the following link.

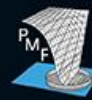
<https://orcid.org/0000-0001-7046-535>

<https://scholar.google.co.jp/citations?user=ZFnQ0MwAAAAJ&hl=ja>

I hereby declare that the statement is true and correct.

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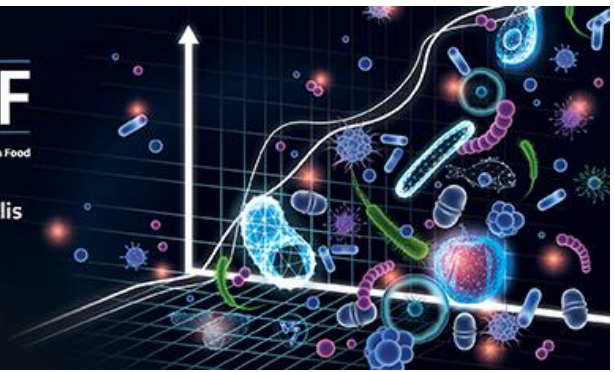
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8 July 2024