

Hyeryeon Bae

Wilfred B. Young Building, 1376 Storrs Road, Room 308, Storrs, CT, 06269-4021, USA
hyeryeon.bae@uconn.edu

FIELDS OF INTEREST

Global Food Security, Food Policy, International Development Economics,
Applied Microeconomics (with a focus on Policy and Program Evaluation)

EDUCATION

University of Connecticut

Doctor of Philosophy in Agricultural and Resource Economics

Storrs, CT, USA

Aug. 2025 – Present
(Expected May 2030)

Tufts University - Friedman School of Nutrition Science and Policy

Master of Science in Food and Nutrition Policy and Programs (FANPP)

Boston, MA, USA

Sep. 2023 – May 2025

- Specialization in Global Nutrition Policies and Programs; Economics and Food Policy; Food Business and Regulation

Seoul National University

Master of Science in Agricultural Biotechnology

Seoul, South Korea

Sep. 2015 – Aug. 2017

- Specialization in Food Engineering

Kyung Hee University

Bachelor of Science in Food Science and Biotechnology

Yongin, South Korea

Mar. 2007 – Feb. 2013

RESEARCH

Refereed Publications

- Gerber, S., **Bae, H.**, Ramirez, I., & Cash, S. B. (2025). Publicly tasting cultivated meat and socially constructing perceived value politics and identity. *npj Science of Food*, 9(1), 94.
- Jo, Y., **Bae, H.**, Kim, S. S., Ban, C., Kim, S. O., & Choi, Y. J. (2019). Inactivation of *Bacillus cereus* ATCC 14579 Spore on Garlic with Combination Treatments of Germinant Compounds and Superheated Steam. *Journal of Food Protection*, 82(4), 691-695.
- Ban, C., Lee, D. H., Jo, Y., **Bae, H.**, Seong, H., Kim, S. O., ... & Choi, Y. J. (2018). Use of superheated steam to inactivate *Salmonella enterica* serovars Typhimurium and Enteritidis contamination on black peppercorns, pecans, and almonds. *Journal of Food Engineering*, 222, 284-291.

Master's Thesis

- Inactivation of *Salmonella*, *Escherichia coli* and *Bacillus cereus* spores on foods using superheated steam. (2017)

Symposium

- **Bae, H.**, Jo, Y., & Choi, Y. J. (2017). Inactivation of *Bacillus cereus* spores on whole garlic and sliced garlic by superheated steam. Korean Society of Food Science and Technology International Symposium and Annual Meeting, P10-081.

AWARDS AND HONORS

Friedman Scholarship, Friedman School, Tufts University

Sep. 2023 – May. 2025

Biological Science Research Funding, Wooduk Foundation, Seoul National University

Nov. 25. 2016

Agricultural Research Funding, Sangrok Cultural Foundation, Seoul National University

Aug. 26. 2015

PROFESSIONAL EXPERIENCE

Tufts University – Friedman School of Nutrition Science and Policy

Boston, MA, USA

Research Assistance (Supervisor: Sean B. Cash)

May. 2024 – May. 2025

- Conducted literature reviews on consumer preferences, willingness to pay, and choice experiments for the LASTING (Leading a Sustainability Transition in Nutrition Globally) project.
- Assisted with the Miami Upside study, conducting interview transcription, data analysis and interpretation for cellular agriculture projects
- Drafted a manuscript for the veg*n study

KADI (Korea International Agribusiness Development Institute)

Project Consultant

Seoul, South Korea

Jan. 2022 – Jul. 2022

- Collected data and information, wrote project proposals, and managed the TASK (Technology Advice and Solution from Korea) projects in the Food Processing Sector.

KOICA (Korea International Cooperation Agency) Senegal Office

Dakar, Senegal

Nov. 2018 – Nov. 2020

Program Officer & Food and Agriculture Specialist

- Managed project performance, monitoring, and evaluation for bilateral and multilateral projects in Agriculture, food value chains, and rural development.
- Reviewed project proposals, execution plans, and agreements.
- Participated in field missions for new project development, including feasibility, preliminary, basic design, and in-depth studies.
- Provided support for COVID-19 emergency response.

Young Professional

Nov. 2017 – Sep. 2018

- Assisted agricultural and educational projects by attending meetings with stakeholders, supporting in project management, monitoring project sites, and updating key agrifood strategies in Senegal.

RELATED EDUCATION

Certificate of Achievement, WAGENINGEN University & Research edX course

Oct. 2020

- Sustainable Food Security: The Value of Systems Thinking
- Sustainable Food Security: Food Access
- Food Security and Sustainability – Crop Production

TEACHING

Teaching Assistant

Aug. 2025 – Present

- Population, Food, and the Environment (ARE1110E), (Instructor: Farhed Shah)

SKILLS & CERTIFICATIONS

Technical Tools STATA, R, OpenLCA

Language Skills English (Advanced), French (Intermediate), Korean (Native)

Certifications PRINCE2 Project Management, Engineering Organic Agriculture, Engineer Food Processing, Hygienist

VOLUNTEER ACTIVITIES

World Vision

Seoul, South Korea

- Translated letters between Korean and English

Feb. 2012 – Dec. 2015

Budnae Senior Welfare Center

Suwon, South Korea

- Provided afterschool tutoring for elementary school students

Apr. 2011 – Aug. 2011

COPION (COoperation and Participation in Overseas NGOs)

Seoul, South Korea

- COPION 2nd cohort fundraising volunteer group – fundraising activities.
- Short-term volunteering in Vietnam: environmental cleanup, elementary educational volunteer cultural exchange activities

Nov. 2010 – Mar. 2011

Ho Chi Minh, Vietnam

Jan. 2010

Volunteers For Peace

Jacmel, Haiti

- Short-term volunteering in Haiti
- Cleaned the remains of collapsed buildings by earthquake, construction of the village garbage dump, planting bamboos, building fence, educational service activities for the elementary school

Jul. 2010