

CURRICULUM VITAE

YUN HEE KANG, MS, PhD

PERSONAL DATA

Home Address

929 N Wolfe St., 519B
Baltimore, MD 21205
E-mail: ykang12@jhu.edu
yhkang0421@gmail.com

Office Address

Human Nutrition Program
International Health Department
The Johns Hopkins University
Bloomberg School of Public Health
615 North Wolfe St., W2501
Baltimore, MD 21205

EDUCATION AND TRAINING

- 2015 **Post-doctoral fellow (June 1, 2015-)**
Human Nutrition Program, International Health Department, Johns Hopkins
Bloomberg School of Public Health, Baltimore, MD, USA
Principal Responsibilities (Tentative):
- Data cleaning and analysis, and report and manuscript preparation for the baseline and midline survey
 - Supervising the longitudinal data collection among mothers and children under 2 years of age in Malawi
 - Providing support as needed during data collection for the qualitative study
- 2009-2015 **PhD, International Health**
Human Nutrition Program, International Health Department, Johns Hopkins Bloomberg
School of Public Health, Baltimore, MD, USA
Dissertation: Effectiveness of a Community-Based Participatory Nutrition Promotion
Program to Improve Child Nutritional Status in Eastern Rural Ethiopia: a Cluster
Randomized Trial (Advisor: Dr. Parul Christian)
- 1999-2001 **MS, Food Science and Nutrition**
Food Science and Nutrition with concentration in Food Microbiology, Department of
Home Ecology, Seoul National University, Seoul, South Korea
Thesis: Development of foreign-gene expression system for *Bifidobacterium longum*
GE1 (Advisor: Dr. Geunok Ji)
- 1994-1998 **BS, Food Science and Nutrition**
Food Science and Nutrition, Seoul National University, Seoul, South Korea

PROFESSIONAL EXPERIENCE

- 2012-2014 **Principal Investigator**
Operation Research Project of Ethiopia Integrated Nutrition Project (EINP), World
Vision Korea/World Vision Ethiopia/Wholistic Interest Through Health (WITH),
Ethiopia

Principal Responsibilities:

- Participated in preparing EINP proposal (\$1,100,000, funded by KOICA)
- Prepared a research proposal (funded by World Vision Korea)
- Trained data collection team and data management team, and managed data collection
- Performed data analysis and wrote papers (Supervisor: Sungtae Kim, World Vision Korea)

2007-2009

Senior Researcher

Nutrition Research team, WITH, Seoul, Korea

Principal Responsibilities:

- Coordinated a seminar (title: Balance) on undernutrition situation and response strategies in developing countries' (May 2009).
- Edited a journal, 'Nutrition Action Vol.1' to introduce nutrition and health programs of Korean NGOs and its research results.
- Produced nutrition education and training manuals for individuals working in developing countries,
- Coordinated a special exhibition 'The suffering global community Yellow Window' in a Christian mission conference (Mission Korea 2008), Korea.
- Conducted community assessment surveys for nutrition program development in Myanmar (2008), Cambodia (2008), and Bangladesh (2005), and prepared reports on nutrition programs of NGSs.

2002-2004

Researcher

Nutrition Research team, WITH, Seoul, Korea

Principal Responsibilities:

- Developed nutritional index to compare health and nutrition situation of developing countries
- Coordinated the nutrition seminar (title: Yellow Window) to introduce undernutrition situation in developing countries
- Conducted community nutrition education projects for the elderly and children in In-jae, Korea (Supervisor: Ms. Jisung Woo) and in Yanbian, China (Supervisor: Hyang-sook Yoon)

RESEARCH EXPERIENCE

Field Research

2007-2008

Project Manager & Primary Instructor

Strategy Research team, WITH

Principal Responsibilities:

- Coordinated research projects:
 - “Community assessment surveys in Myanmar,”
 - “Community Assessment Survey of Kandal and Prey Bang, Cambodia,”
 - “Development of HIV/AIDS Education Course for Community Health Worker with Cambodia”
 - “Malnourished Children Care and Nutrition Education for Mothers in Truppeang-krasang, Cambodia” in Nutrition Intervention School, Phnom Phen, Cambodia.

- 2006 **Project coordinator & instructor**
Strategy Research team, WITH
Principal Responsibilities:
▪ Trained interviewers and project staff for “Nutrition Assessment for the Pui-tribe community, Yunnan province in China (Oct 2006),” “Review of National Nutrition Program and Nutrition activities of NGOs in Cambodia (Jan 2006),” Strategy Research team, WITH, Korea
- 2005 **Project manager & instructor**
Strategy Research team, WITH, Korea
Principal Responsibilities:
▪ ‘Nutrition survey for mothers of Khulna and Chittagong slum area in Bangladesh (July 2005)’, ‘Strategy development of nutrition-based Christian ministry, Shanghai, China (Feb 2005)’

Public Health Policy

- 2014
June-Dec **Research Assistant**
Nutrition and Health Status of Adolescent Girls: A Six Country Situation Analysis (WFP project), International Health Dep., Johns Hopkins School of Public Health, USA
Principal Responsibilities:
▪ Conducted data analysis and prepared a report for the nutrition and reproductive health situation of adolescent girls using Burkina Faso DHS data (PI: Dr. Parul Christian)
- 2014
March **Nutrition consultant**
Principal Responsibilities:
▪ Evaluated feasibility for WFP Maternal and Child Nutrition Project (\$3,000,000) through meetings with WFP and MoH staff
▪ Produced the evaluation report, WFP Timor Leste, Timor Leste, KOICA, (Supervisor: Jinju Choi)
- 2013
July-Sept **Consultant**
Principal Responsibilities:
▪ Consulted preparedness strategy development project for public health crisis of North Korea, Center for Unification Medicine, Seoul National University College of Medicine, South Korea (PI: Haewon Lee, MD)
- 2013-
Present **Manager**
On-line Global Health Seminar, South Korea
Principal Responsibilities:
▪ Arranged global health seminar every month/bi-monthly with Korean health professionals working in academia, government, and NGOs
- 2010-2011 **Research Assistant**
International Health Dep., Johns Hopkins School of Public Health, USA
Principal Responsibilities:
▪ Conducted systematic review of folic acid and pregnancy outcomes related to Child Health Epidemiology Reference Group (PI: Anne M. Palaia, PhD)

Laboratory Research

- 2005 Dec-2007 Jan **International Fellow Researcher**
Enteric Microbiology Lab., Laboratory Science division, ICDDR,B Health and Population Research, Dhaka, Bangladesh
Principal Responsibilities:
- Conducted experiments to evaluate plasmid isolation techniques to gain high yields of plasmid DNA of *Shigella*
 - Detected STEC in food samples, meat and livestock stools in Dhaka, Bangladesh (Supervisor: Kaiser Ali Talukder, PhD).
- 2000 May-2001 June **Researcher**
BIFIDO CO. Ltd, Seoul, South Korea
Principal Responsibilities:
- Developed foreign-gene expression vectors using plasmids of *Bifidobacterium* spp.
 - Measured gene expression efficiency with designed vectors (Supervisor: Dr. Geunok Ji)
- 1997-1998 **Researcher**
Samsung Life Science Research Institute, Seoul, South Korea
Principal Responsibilities:
- Conducted experiments for gene expression control of p53 tumor suppressor gene in HeLa cell (Supervisor: Dr. Eun-seung Hwang)

TEACHING EXPERIENCE

- 2010 Oct-Dec **Teaching Assistant**, International Health Dept., Johns Hopkins School of Public Health, USA
2011 Oct-Dec
- Supported administrative management and assignments grading for ‘Assessment of Nutritional Status’ course (Supervisor: Kerry Schulze, PhD)
- Sep 2008-Jun 2009 **Instructor**, Ansan College, Ansan, South Korea
- Gave lectures of ‘Nutrition Counseling and Practices’ to undergraduate student
 - Conducted nutrition counseling to elderly group at Silver Care Center (Supervisor: Chang-soon Ahn, PhD).
- Sep 1999-Dec 1999 **Teaching Assistant**, Food Microbiology experiment, Food science and Nutrition Dep., Seoul National University, South Korea
- Gave a lecture on ‘Principles and experimental skills for food microbiology’ to undergraduate students (Supervisor: Geunok Ji, PhD)

PROFESSIONAL ACTIVITIES

MEMBERSHIP

Academic Association

Korean Society of Global Health 2013-
American Society for Nutrition 2010-
Global Health Council 2015-

HONORS AND AWARDS

2015 Scholarship from the George G. Graham Professorship Endowment \$800

2015	Asian Congress of Nutrition 2015 Travel Award, Yokohama, Japan,	JPY 300,000
2014	Elsa Orent Keiles Fellowship award, Johns Hopkins School of Public Health,	\$2,500
2012	Doctors and pastors of Oak Scholarship Award, Korea	\$8,000
2011	Doctors and pastors of Oak Scholarship Award, Korea	\$9,000
2010	Scholarship Award, Weiyang Catering company, Korea	\$10,000
2009	DSM Scholarship Award in Human Nutrition, International Health Department, Johns Hopkins University, Baltimore, MD, USA	\$55,000
1999	Scholarship Award, Food Science and Nutrition Department, Seoul National University.	

PUBLICATIONS

Reports

Nutrition Action Vol.1. Editor of field research report for developing countries, WITH, Sooyang F&G (2009).

Yellow Window Statistical Report. Report to introduce nutrition, health and regional status in developing countries. WITH, Sooyang Co. (2004).

PRESENTATIONS

Kang Y.H., International health and nutrition projects of Korea-based NGOs: Ethiopia Integrated Nutrition Project (EINP) by World Vision Korea and WITH. 20th Korean Association of Community Nutrition, Seoul, South Korea, November 19-20, 2015 (oral presentation).

Kang Y.H., Seminars on dissertation study findings of the operational research in Ethiopia, at World Vision Korea, and 8 universities including Seoul National University, Ehwa University, Korea University, Hanyang University, Yonsei University, Seoul city university, and Kyounghee University, Seoul, South Korea, April-May, 2015.

Kang Y.H., Debele L., Suh Y.K., Juon H.S., and Christian P. Community-Based Participatory Nutrition Promotion Program Improved Child Feeding Practices among Caregivers in Rural Eastern Ethiopia: A Cluster Randomized Trial. 12th Asian Congress of Nutrition 2015, Yokohama, Japan, May 15-18, 2015 (oral presentation, ACN2015 travel award).

Kang Y.H., Sinamo S., Kim S.T., Suh Y.K, and Christian P. Effectiveness of a Community-Based Participatory Nutrition Promotion Program Improving Linear and Ponderal Growth in Children 6 to 24 Months of Age in Rural Eastern Ethiopia: A Cluster Randomized Trial. Experimental Biology 2015, Mar 28-Apr 1, USA (poster presentation).

Kang Y.H., Process and Effectiveness of a Community-based Participatory Nutrition Promotion (CPNP) program to Improve Child Nutrition in Eastern rural Ethiopia: a Cluster Randomized Trial. World Vision Global Health Community of Practices, Feb 9-12, Bangkok, Thailand (oral presentation).

Kang Y.H., Suh Y.K. A Study for the change in indicators over last 5 years, re-establishment and the index development for Yellow Window, Korean Society of Food and Nutrition, Seoul, Korea (2009).

Suh Y.K, **Kang Y.H.**, Yu S.J, Kim S.M, Comparison of Kandal province with Prey-veng province in Cambodia by community nutrition survey, Korean Society of Food and Nutrition, Seoul, Korea (2009).

Kang Y.H., Health and Poverty in Global society, Session lecture, Mission Korea 2008, Korea (2008).

Kang, Y.H., Malnutrition Care Centers for Children under 5 in West Africa. *Sandglass Seminar*, WITH, Seoul, Korea (2006).

Seo J. M., **Kang Y.H.**, Cho S.H., Park M.S., Park J. H., Ji G.E. Expression and secretion of *Bacillus* phytase gene in the Genus *Bifidobacterium*. *Proceedings of 9th international symposium on the Genetics of Industrial Microorganism*.

Ji, G.E., Kim, N.J., Lee, B.H., **Kang, Y.H.**, Seo, J.M and Park, M.S. Strain development and genetic manipulation of *Bifidobacterium* strains. *11th World Congress of Food Science and Technology*, Seoul (2001).

CERTIFICATES

- 2011 Jan Certificate of completion, Health Emergencies in Large Populations (H.E.L.P), Johns Hopkins School of Public Health, USA
- 2010 June Certificate of completion, Dietary Supplement Research Practicum, Office of Dietary Supplements, National Institute of Health, USA
- 2008 Certificate of completion, Project Cycle Management basic course, KCOC (Korea NGOs Council Overseas Cooperation), Korea (Aug 2008 ~ Feb 2009)
- 2008 Certificate of Attendance, SPHERE training, KCOC, South Korea (Apr 21-23, 2008)
- 1999 License of Nutritionist, Ministry of Health, Korea

ADDITIONAL INFORMATION

Research Interests

- Child undernutrition; nutrition-sensitive nutrition program (agriculture, WASH, community empowerment)
- Effectiveness and process evaluation of community-based nutrition program
- Nutrition assessment using anthropometric indicators, biochemical test, and dietary assessment
- General linear/logistic regression, longitudinal/multi-level data analysis, and survival analysis