

*Biographical Sketch***WON O. SONG, PhD, MPH, RD.**

Professor of Human Nutrition
 Department of Food Science and Human Nutrition
 Michigan State University
 East Lansing, MI 48824
 517-355-8474 (Ext 109), song@msu.edu (e-mail)

Education

BS	Food and Nutrition	1973	Ewha Womans University, Seoul, Korea
MPH	Public Health Nutrition	1975	Seoul National University, Seoul, Korea
MS	Nutrition	1978	University of Iowa, Iowa City, Iowa
PhD	Nutrition	1983	Utah State University, Logan, Utah
Post-Doc	Nutrition	1984	Utah State University, Logan, Utah

Professional Experiences

1972-75	Research Associate, Research Institute of Samyang Food Co., Seoul, Korea
1975-78	Dietary Assistant; Clinical Dietitian, University of Iowa General Hospitals and Clinics, Iowa City, Iowa
1978-80	Instructor and Clinical Dietitian, Mansfield General Hospital Nursing School/Hospital, Mansfield, Ohio
1979-80	Preceptor for Medical Dietetic students, Ohio State University
1980-82	Clinical Dietitian, Logan General Hospital, Logan, Utah
1982	(Summer) Nutritionist, Department of Nutrition and Food Science, Utah State University, Logan, Utah
1981-82	(Falls) Instructor, Department of Nutrition and Food Science, Utah State University, Logan, Utah
1980-83	Research Assistant, Dept. of Nutrition and Food Science, Utah State University, Logan, Utah
1983-84	Post-Doctoral Fellow, Dept. of Nutrition and Food Science, Utah State University, Logan, Utah
1984-89	Assistant Professor, Dept. of Food Science and Human Nutrition, Michigan State University, East Lansing, Michigan
1989-96	Associate Professor, Dept. of Food Science and Human Nutrition, Michigan State University, East Lansing, Michigan
1993	Visiting Scientist (Sabbatical leave), Department of Biochemistry, Temple University Medical School Philadelphia, Pennsylvania
1999-04	Associate Dean, Academic Affairs, College of Human Ecology, Michigan State University, East Lansing, Michigan
2004-05	Acting Dean, College of Human Ecology, Michigan State University, East Lansing, MI
2005-06	Research Professor (Sabbatical leave), Ewha Womans University, Asian Food and Nutrition Research Center, Seoul, Korea; Korean Federation of Science and Engineering Society, Brain Pool Program
2009-10	Fall semesters: WCU Visiting Professor, Seoul National University, Seoul, Korea
1997-prs	Professor, Dept. of Food Science and Human Nutrition, Michigan State University, East Lansing, Michigan

Leadership Development Program

1999,2002	Wharton-In-East Lansing Academic Leadership Program, MSU
2001-02	ESCOP/ACOP leadership development program, NASULGC
1999-01	Multi-Leadership Workshops for Chairs and Directors, MSU
2004-05	Board of Human Sciences, Big Ten University Dean's retreat

Honors, Awards and Recognition

- 1973 Graduated with honors, Ewha Womans University
- 1973-75 Full tuition scholarship, School of Public Health, Seoul National University
- 1975 Alumni Award, School of Public Health, Seoul National University
- 1977-78 Mary Campbell Tow Scholarship, University of Iowa
- 1977 Omicron Nu, a home economics honor society
- 1982-83 Research fellowship, College of Agriculture, Utah State University
- 1982-83 Phyllis R. Snow Scholarship, College of Family Life, Utah State University
- 1982-83 Frances E. Fisher Scholarship, American Dietetic Association
- 1983 National Dean's List
- 1984 Outstanding Young Woman of America; Phi Kappa Phi
- 1984 National Science Foundation (NSF), Presidential Young Investigator Award Nominee
- 1985 Sigma Xi, Honorary Society
- 1988 Teacher-Scholar Award, Michigan State University
- 1989-91 Future Leader Award, International Life Science Institute - Nutrition Foundation
- 1995 Healthy U, Director's Award for Service, Michigan State University
- 1996 Advising Professional Mentoring Award, College of Human Ecology, Michigan State University
- 1996 Centennial Faculty Award Recognition, College of Human Ecology, Michigan State University
- 1997 International Visiting Professional Program, MSU Commencement Speaker
- 1999 Creative Endeavor Award, College of Human Ecology, Michigan State University
- 2009-10 WCU Professorship, Seoul National University, Korea
- 2010-11 "Learning Leader", Residence Life, Division of Student Affairs and Services, MSU
- 2013 Outstanding Women Scientist Award, KWise
- 2018 (ASN Journals Statistical Review Board)- check

Professional Advisory Board

- 1986-89 Advisory Board, American Heart Association, Nutrition Label Task
- 1993-98 Advisory Board, National Egg Board
- 1998 Editorial Board, Journal of the Korean Nutrition Society
- 1999 -06 Editorial Board, MSU Book Series on Children, Youth, and Families (ICYF)
- 2006 Advisory Board, Korean Society of Food and Cultures
- 2014-pres Agricultural Food Advisory Professor, Fermented Food Research Center, Chonbuk National University, Jeonju, KR

Editorial Board and Abstract Reviewer

- 011-pres Editorial Board, Nutrition Research and Practice
- 2012-pres Editorial Board, Nutrient (ISSN 2072-6643)
- 2012-pres Editorial Board, Journal of Medicinal Foods (ISSN 1096-620X)
- 2013-pres Executive Editor, Journal of Nutrition and Food Science (IF 3.48, 0514; ISSN 2155-9600)
- 2013-pres Editorial Board, Journal of Preventive Medicine (OJPM)
- 2010-pres Abstract Reviewer for Annual Conferences, Society for Nutrition Education and Behavior
- 2011-pres Abstract Reviewer for American Society for Nutrition and Experimental Biology
- 2012-pres Editorial Board, Journal Scientifica
- 2013-pres Editorial Board, International J of Food Science, Nutrition and Dietetics (IJFS)
- 2014-pres Editorial Board, Enliven: Journal of Dietetics Research and Nutrition
- 2014-pres Editorial Board, Austin Journal of Obesity & Metabolic Syndromes
- 2014-pres Editorial Board, J of Food and Nutrition
- 2014-pres Editorial Board, *Journal of Ethnic Foods* (p-ISSN 2352-6181, e-ISSN 2352-619X)
- 2014-pres Editorial Board, Journal of Ethnic Foods. E-ISSN 2352-6181
- 2019-pres Associate Editor, Journal of Dietary Supplements,

Grant, Fellowship and Program Review Panel/Chair

- 2010-pres Proposal reviewer, Research Grant Council (RGC) of Hong Kong Univ, Annual (commissioned by the VP for research)
- 2010-pres Academic Program reviewer, University of Singapore, Annual Grant Reviewer, Qatar National Research Federation, National Priorities Research Programs (NPRP)
- 2014-pres NIH, Environmental Protection, Grant Review Panel
- 2014-pres External Reviewer, Veni Grant, Netherland Organization for Scientific Research (NOW)
- 2014-pres American Association of University Women (AAUW), Fellowships, Grants, and Global Programs
- 2015 NIH, Environmental Protection, Grant Review Panel
- 2015-pres American Fellowship Selection Panel
- 2015-pres European Research Council (ERC), LS9, Research Grant Review Panel
- 2018-pres USDA ARS Review NP 107- Panel 2, Chairperson

Professional Society Memberships

American Society for Nutritional Sciences (ASNS, formerly AIN), Experimental Biology Society for International Nutrition Research, ASNS
 American Dietetic Association (#R472312)
 Michigan Dietetic Association
 Society for Nutrition Education
 Society of Experimental Biology and Medicine
 New York Academy of Science
 American Public Health Association
 Korean Nutrition Society
 The Korean-American Scientists and Engineers Association in America
 American Association of Family and Consumer Sciences
 Affiliate member, Center for Gender in Global Context, MSU. 2018- present

Services to Professional Societies

American Society of Nutrition, Abstract review board, 2012- present
 American Society of Nutrition Education and Behavior, Abstract review board, 2013- present
 Qatar National Research Federation, Grant reviewer, 2011- present
 Abstract Reviewer for American Society for Nutrition, Experimental Biology, 2000-present
 Abstract Reviewer for Society for Nutrition Education and Behavior, 2011-present

Services to Other Higher Education Institutions

External Reviewer, Full promotion package evaluator – University of North Carolina, 2012
 External Reviewer, Full professor dossier reviewer – University of Eastern Carolina, 2013
 External Reviewer, Doctoral Student’s dissertation, University of Connecticut, Summer, 2013
 External Reviewer, Assistant Professor Promotion with tenure dossier- Seoul National University, Oct 2013
 External Reviewer, Assistant Professor Promotion with tenure dossier examiner – University of Iowa, Aug 2014
 External Reviewer, Assistant Professor Promotion with tenure dossier examiner – University of Kentucky, Aug 2014
 External Reviewer, Full professorship promotion (POV)- Arizona State University, Sept 2015
 External Reviewer, Full professorship promotion, Oklahoma State University, Aug 2015
 External Assessor, Doctoral student’s dissertation, University of Seksyen, Fall, 2015
 External Reviewer, Full Professor Promotion dossier examiner (TL), University of Houston, Aug, 2015
 External Reviewer, Assistant Professor Promotion with tenure dossier examiner, City Univ of NY, Sept, 2015

Research Interest

Nutritional epidemiology; Community and global nutrition; Food consumption behaviors in relation to chronic diseases; Dietary patterns and health risks at the national and international settings; Biomarkers and predictors for nutritional status in large populations with emphasis on the subgroups at risk; National nutrition surveys and its application in research; Nutrition education – theories and application of technology; International Agriculture as effecting human health, with particular interest in Maternal and Child health.

Publications

Books, Book Chapters, Reports

1. Wyse BW, **Song WO**, Walsh JH, Hansen RG. Pantothenic acid methodology. Chapter 16. In Methods of Vitamin Assay. Eds. J. Augustin, B.P. Klein, B. Decker, and P.B. Venugopal. John Wiley & Sons, Inc., pp. 399-416, 1985
2. **Song WO**. Nutritional concerns during pregnancy and lactation. In Food and Agricultural Research Opportunities to Improve Human Nutrition. Eds. A.R. Doberenz, J.A. Milner and B.S. Schweigert. College of Human Resources, University of Delaware, Newark, Delaware, C198-203, 1986.
3. **Song, WO**, Wyse B. Physiology of pantothenic acid. In Encyclopedia of Food Science. Food Technology and Nutrition. (Macrae R, Robinson RK and Sadler M, eds), Vol. 5, pp. 3402-3408, London: Academic Press, 1993
4. Engler J, Haveman JK, Harmon V, Paterson D, Bouraoui YM, Zhu BP, McGrath-Miller K, Taylor JR, McCrohan N, **Song WO**, Park Y. Michigan PRAMS, Pregnancy Risk Assessment Monitoring System.1997, Michigan Department of Community Health, July, 2000
5. **Song WO**, Beecher GR, Eitenmiller RR (eds) Modern Analytical Methodologies on Fat and Water-soluble Vitamins, Chemical Analysis Series. John Wiley & Sons, Inc. 2000.
6. **Song WO**, Wyse BW, Wittwer C. Modern analytical methods for pantothenic acid. In Analytical Methods for Fat and Water Soluble Vitamins (Ed. Song WO, Beecher GR, Eitenmiller RR), John Wiley and Sons, Inc. 2000.
7. Engler J, Haveman JK, Harmon V, Paterson D, Bouraoui YM, Zhu BP, McGrath-Miller K, Taylor JR, McCrohan N, **Song WO**, Park Y. Michigan PRAMS, Pregnancy Risk Assessment Monitoring System.1998, Michigan Department of Community Health, November, 2000
8. Engler J, Haveman JK, Harmon V, Paterson D, Bouraoui YM, Zhu BP, McGrath-Miller K, Taylor JR, McCrohan N, **Song WO**, Park Y. Michigan PRAMS, Pregnancy Risk Assessment Monitoring System.1999, Michigan Department of Community Health, July, 2001
9. Kerver JM, Park YK, **Song WO** The Role of Eggs in American Diets: Health Implications and Benefits, in Eggs and Health Promotion, Watson RR, Ed., CRC Press, Boca Raton, FL, 2002
10. Kim HS, Song WO. Ch 13. Korean cuisine perceived by Americans. Global Food & Culture, 2010

Articles, Peer-reviewed *ARTICLES PERTAIN TO INTERNATIONAL CONTEXT, INCLUDING AFRICAN COUNTRIES, ARE HIGHLIGHTED IN BLUE.*

1. **Song (Park) WO**, Techai KS, Sung NE. Nutritive value of Korean foods. Korean Journal of Nutrition 7(4): 197-210, 1974
2. **Song (Park) WO**, Lee Y, Sung N. Toxic effect of sesame hulls in the diet of albino rats. Korean Journal of Food Science and Technology 6(3): 157-166, 1974
3. **Song (Park) WO**, Sung N. Nutritional study on various defatted oil-seed flours and mixtures. Korean Journal of Food Sciences and Technology 6(3): 138-149, 1975
4. **Song (Park) WO**. Studies on correlation between dietary salt intake, and serum magnesium, cholesterol, phospholipid and triglyceride levels in hypertensive patients. Korean Journal of Public Health 12(1): 147-160, 1975
5. **Song WO**, Wyse BW, Hansen RG. Pantothenic acid in human diets. Utah Science 45:116-121, 1984
6. **Song WO**, Chan G, Wyse BW, Hansen RG. Effect of pantothenic acid on the content of the vitamin in human milk. Am J Clin Nutr 40: 317-324, 1984
7. **Song WO**, Wyse BW, Hansen RG. Pantothenic acid status of pregnant and lactating women. J Am Dietet Assoc 85: 192-198, 1985
8. Wittwer C, Schweitzer C, Pearson J, **Song WO**, Windham C, Wyse B, Hansen RG. Estimation of total pantothenate in blood: Enzymes for liberation of pantothenic acid. Am J Clin Nutr 50: 1072-8, 1989
9. **Song WO**, Smith A, Wittwer C, Wyse B, Hansen G. Indirect enzyme linked immunosorbent assay of pantothenic acid: application to plasma samples. Nutrition Research 10: 439-448, 1990.
10. **Song WO**. Pantothenic acid - How much do we know about this B-vitamin? Nutrition Today 25: 19-26, 1990.
11. Beinlich CJ, Naumovitz RD, **Song WO**, Neely JR. Myocardial metabolism of pantothenic acid in chronically

- diabetic rats. *Journal of Molecular and Cellular Cardiology* 22: 323-332, 1990
12. Carlson J, Robison J, **Song WO**, VanHuss W, Heusner W. A health promotion course at a major university. *J Nutr Ed* 23(3): 131C, 1991
 13. Huang YL, **Song WO**, Schemmel RA, Hoerr, SM. What do college students eat? Food selection and meal patterns. *Nutrition Research* 14: 1143-1153, 1994
 14. Annous KF, **Song WO**. Pantothenic acid uptake and metabolism by the red blood cell. *J. Nutr.* 125: 2586-2593, 1995.
 15. Chung SJ, Hoerr S, Song W, Shih C, Lentner D, Vanderbelt M, Lauderdale C, Huang YL, Koerner L. The Healthy Eating Index: design and implications. *Letter. J ADA* 96:731-731, 1996.
 16. Schuette LK, **Song WO**, Hoerr SL. Quantitative use of the Food Guide Pyramid to evaluate dietary intake of college students. *J. of Am. Dietet. Assoc.* 96: 453-457, 1996.
 17. Yagalla MV, Hoerr SL, **Song WO**, Enos E, Garg A. Relationship to diet, abdominal obesity and physical activity to plasma lipoproteins in Asian Indian male physicians residing in the U.S. *J. of Am. Dietet. Assoc.* 96: 257-261, 1996.
 18. Chen MC, Song Y, **Song WO**. Fetal growth retardation and death in pantothenic acid deficient rats is due to impaired placental function. *J. of Nutr. Biochem.* 61(8): 451-456, 1996.
 19. Smith CM, **Song WO**. Comparative nutrition of pantothenic acid. *J. of Nutr. Biochem.* 7: 312-321, 1996.
 20. **Song WO**, Schuette LK, Hoerr SL. Food group intake patterns in relation to nutritional adequacy of young adults. *Nutrition Research* 18(9): 1507-1519, 1996.
 21. Youssef JA, Cunningham ML, **Song WO**, Badr MZ. Metabolic requirements for the hepatocellular proliferation induced by peroxisome proliferators. Role of CoA. *Peroxisomes. Annals of the New York Academy of Sciences* 804:725-727, 1996.
 22. Dubeski PL, Owens FN, **Song WO**, Coburn SP, Mahuren JD, Effect of B-vitamin injections on plasma B-vitamin concentrations of feed-restricted beef calves infected with bovine herpes virus 1. *J. Animal Sci.* 74(6): 1358-66, 1996.
 23. Huang YL, Hoerr SL, **Song WO**. Breakfast is the lowest fat meal for young adult women. *J. Nutr. Educ.* 29:184-188, 1997
 24. Youssef JA, **Song WO**, Badr MZ. Mitochondrial, but not peroxisomal, beta-oxidation of fatty acids is conserved in coenzyme A-deficient rat liver. *Molecular and Cellular Biochemistry* 175 (1-2), 37-42, 1997
 25. Tsai CY, Hoerr SL, **Song WO**. Dieting behavior in Asian college women attending a U.S. university. *J. Am. College Health.* 46(1):163-168, 1998.
 26. **Song WO**, Kerver J. Nutritional contributions of eggs to American diets. *J of Am Coll Nutr.* 19:556s-562s, 2000.
 27. Chung HK, Yang EJ, **Song WO**. Carbohydrate intake associated with risk factors of coronary heart disease in the adults: NHANES III. *The Korean Journal of Nutrition*, 33(8): 873-881, 2000.
 28. Bains Kiran, Mann SK, Song WO. The computer programme "MSU NutriGuide: Asian Indian Foods" is effective in assessing nutrient intakes of Indian populations. *Food and Nutrition Bulletin*, 21(3): 330-332, 2000.
 29. Yang EJ, WY Kim, **Song WO**. Health risks associated with the dietary patterns of Korean Americans. *The Korean J of Dietary Culture.* 16(5):1-20, 2001
 30. Cho S, Johnson G, **Song WO**. Folate content of foods: Comparison between databases compiled before and after the FDA required folate fortification of enriched grain products. *J of Food Composition and Analysis*, 15 (3):293-307, 2002.
 31. Ryan C, Dwyer J, Ziegler P, Yang E, Moore L, **Song WO**. What do infants really eat? *Nutrition Today*, 37(2): 50-56, 2002
 32. Chung SJ, Hoerr S, Levine R, **Song WO**, Coleman G. Validity for classifying stages of change among the dietary assessment methods on eating fruits and vegetables for American college students. *J Community Nutrition.* 4(3): 143-150, 2002
 33. Park Y, Meier ER, Bianchi LJ, **Song WO**. Trends in children's consumption of beverages: 1987 to 1998. *Family Economics and Nutrition Review* 14(2): 69-79, 2002
 34. Yang EJ, Chung HK, Kim WY, Kerver JM **Song WO**. Carbohydrate Intake is associated with diet quality and risk factors for cardiovascular disease in US. Adults: NHANES III. *The Journal of the Am. Coll. Nutr.:*

22(1): 71-79, 2003

35. Park YK, Meier ER, **Song WO**. Characteristics and predictors of teenage mothers who initiated breastfeeding in the Michigan WIC program in 1995. *J of Human Lactation*. 19(1):50-56, 2003.
36. Obayashi S, Bianchi LJ, **Song WO**. Reliability and validity tests of nutrition knowledge, psychosocial factors, and use of food labels developed from the 1995 Diet and Health Knowledge Survey (DHKS). *J of Nutr. Educ*. 35:83-92, 2003.
37. Yang EJ, Kerver JM, Park YK, Kayitsinga J, Allison DB, **Song WO**. Carbohydrate intake and biomarkers of glycemic control among U.S. adults: NHANES III. *Am. J. of Clin. Nutr.* 77:1426-1433, 2003
38. Kerver JM, Yang EJ, Bianchi LJ and **Song WO**. Dietary patterns associated with risk factors for cardiovascular disease in healthy U.S. adults. *Am J. Clin Nutr.* 78:1103-1110, 2003
39. Olson BH, Keast DR, Morris, DH, **Song WO**. Effectiveness and safety of folic acid fortification, *Nutrition Today* 39(4):169-175, 2004
40. Lee MG, Chun OK. **Song WO**. **Determinants of the blood lead level of US women of reproductive age.** *J Am Coll Nutr.* 24(1): 1-9, 2005.
41. Yang EJ, Kerver JM, **Song WO**. Dietary patterns of Korean American described by factor analysis. *J. Am Coll Nutr.* 24(2): 115-121, 2005
42. **Song WO**, Chun OK, Obayashi S, Cho S, Chung CE. Is breakfast consumption associated with body mass index in U.S. adults? *J Am Dietetic Assoc.* 105 (9):1373-1382, 2005. PMID:16129078
43. **Song WO**, Chung CE, Chun OK, Cho S. Serum homocysteine concentration of U.S. adults associated with fortified cereal consumption. *J Am Coll Nutr* 24: 503-509, 2005. PMID:16373947
44. Kerver JM, Yang EJ, Obayashi S, Bianchi LJ, **Song WO**. Meal and snack patterns are associated with dietary intake of energy and nutrients in U.S. adults. *J Am Dietet Assoc.* 106 (11):46-53, 2006
45. **Song WO**, Chun OK, Kerver J, Cho S, Chung CE, Chung SJ. Ready-to-eat breakfast cereal consumption enhances milk and calcium intake in the U.S. population. *J. Am Diet. Assoc.* 106: 1783-1789, 2006. PMID:17081829
46. Kim HG, Yoon DH, Kim CH, Shrestha B, Chang WC, Lim SY, Lee WH, Han SG, Lim MH, Kim GY, Choi S, **Song WO**, Sung JM, Hwang KC, Kim TW. Ethanol extract of *Inonotus obliquus* inhibits lipopolysaccharide-induced inflammation in RAW 264.7 macrophage cells. *J Med Food* 10(1): 80-89, 2007
47. Chun OK, Chung SJ, **Song WO**. Estimated dietary flavonoids intake and major food sources of U.S. Adults. *J of Nutr.* 137(5): 1244-1252, 2007. PMID: 17449588
48. Yang EJ, Chung HK, Kim WY, Bianchi L, **Song WO**. Chronic diseases and dietary changes in relation to Korean American's length of residence in the U.S. *J. Am Dietet Assoc.* 107(6): 942-950, 2007
49. Jang M and **Song WO**. Personal digital assistants: Essential tools for preparing dietetics professionals to new-generation information technology. *Nutr Res Pract.* 1(1):42-45, 2007
50. **Song WO**, Chun OK, Hwang I, Shin HS, Kim BG, Kim KS, Lee SY, Shin D, Lee SG. Soy isoflavones as safe and functional ingredient. *J of Med Foods.* 10 (4): 571-580, 2007. PMID:18158825
51. Meier ER, Olson BH, Benton P, Eghtedary K, **Song WO**. A qualitative evaluation of a breastfeeding peer counselor program in Michigan. *J of Human Lactation* 23:262-268, 2007
52. Kim HG, Yoon DH, Lee WH, Han SK, Shrestha B, Kim CH, Kim MH, Chang W, Lim S, Choi S, **Song WO**, Sung JM, Hwang KC and Kim TW. *Phellinus linteus* inhibits inflammatory mediators by suppressing redox-based NF-kB and MAPKs activation in lipopolysaccharide-induced RAW 264.7 macrophage. *J of Ethnopharmacology* 114:307-315, 2007
53. **Song WO** Chun OK, Tea is the major source of favan-3-ol and flavonol in US diet. *J of Nutrition.* 138(8):1543S-1547S, 2008. PMID:18641204
54. Chun OK, Chung SJ, Claycombe KJ, **Song WO**. Serum C-reactive protein concentrations are inversely associated with dietary flavonoid intake in U.S. adults. *J of Nutrition*, 138(4):753-760, 2008. PMID:18356331
55. Chun OK, Chung SJ, **Song WO**. Urinary isoflavones and their metabolites validate the dietary isoflavone intake in US adults. *J of Am Dietet Assoc* 109 (2):245-254, 2009. PMID: 19167951
56. Chun OK, Floegel A, Chung SJ, Chung CE, **Song WO**, Koo SI. Estimation of antioxidant intakes from diet and supplements in US adults. *J of Nutr.* 140 (2): 317-324, 2010. PMID:20032488
57. Kim HG, Song HS, Yoon DH, Song BW, Park SM, Sung GH, Cho JY, Park HI, Choi S, Song WO, Hwang KC, Kim TW. Cordyceps pruinosa extracts induce apoptosis of HeLa cells by a caspase dependent pathway. *J*

- of Ethnopharmacology, 128 (2):342-351, 2010.
58. Floegel A, Kim DO, Chung SJ, **Song WO**, Fernandez ML, Bruno RS, Koo SI, Chun OK. Development and validation of an algorithm to establish a total antioxidant capacity database of U.S. diet. *Int J Food Sci Nutr*. Sep;61(6):600-23, 2010. PMID:20377495
 59. Chun OK, Chung CE, Wang Y, Padgitt A, and **Song WO**. Changes in intakes of total and added sugar and their contribution to energy intake in the U.S. *Nutrients*. 2: 834-54, 2010. PMID: 22254059
 60. Park MK, Kim DW, Kim JS, Park SH, Joung HJ, **Song WO**, Paik HY. Development of a dish-based, semi-quantitative FFQ for the Korean diet and cancer research using a database approach. *British J Nutr*. Apr, 105(7), 1065-1072, 2011
 61. Yang M, Koo SI, **Song WO**, Chun OK. Food matrix affecting anthocyanin bioavailability: Review. *Current Medicinal Chemistry*. *Curr Med Chem*.18 (2):291-300, 2011. PMID:21110799
 62. Wang Y, Chung SJ, **Song WO**, Chun OK. Estimation of daily proanthocyanidin intake and major food sources in the U. S. diet. *J Nutr*. 2011 Mar, 141(3): 447-52, 2011. PMID:21270369
 63. Yang M, Chung SJ, Chung CE, Kim DO, **Song WO**, Koo SI, Chun OK. Estimation of total antioxidant capacity from diet and supplements in US adults. *Br J Nutr*. Feb 15:1-11. 2011. PMID:21320369
 64. Floegel A, Chung SJ, von Ruesten AV, Yang M, Chung CE, **Song WO**, Koo SI, Pischon T and Chun OK. Antioxidant intakes from diet and supplements and elevated serum C-reactive protein and plasma homocystein concentrations in U.S. adults: a cross-sectional study. *Public Health Nutrition*. Nov; 12(11); 2055-64, 2011. PMID: 21414247
 65. Kim DW, Shim JE, Paik HY, **Song WO**, Joung HJ. Nutritional intake of Korean population before and after adjusting for within-individual variations: 2101 Korean National Health and Nutrition Survey Data. *Nutrition Research and Practice* 5(3):266-274, 2011
 66. Choi S, Lim MH, Kim KM, Jeon BH, **Song WO**, Kim TW. Cordycepin-induced apoptosis and autophagy in breast cancer cells are independent of the estrogen receptor. *Toxicol Appl Pharmacol* 257:165-173, 2011
 67. Jung HJ, **Song WO**, Paik HY, Joung HJ. Dietary characteristics of macronutrient intake and the status of metabolic syndrome among Koreans. *Korean J of Nutr* 44(2):119-130, 2011
 68. Min CY, Noh H, Kang YS, Sim HJ, Baik HW, **Song WO**, Yoon J, Park YH, Joung H. Skipping breakfast is associated with diet quality and metabolic syndrome risk factors. *Nutr Res Pract* 5(5):455-463, 2011
 69. Park MK, Noh HY, Song NY, Paik HY, Park SH, Joung JY, **Song WO**, Kim JS. Validity and reliability of a dish-based, semi-quantitative food frequency questionnaire for Korean diet and cancer research. *Asian Pac J Cancer Prev* 13(2); 545-52, 2012
 70. Min CY, Noh HY, Kang YS, Sim HJ, Baik HW, **Song WO**, Yoon JH, Park YH, Joung HJ. Breakfast patterns are associated with metabolic syndrome in Korean Adults. *Nutr Res Pract* 6(1): 61-67, 2012
 71. **Song WO**, Wang Y, Chung CE, Song B, Lee W, Chun OK. Is obesity development associated with dietary sugar intake in the U.S.? *Nutrition*. Nov 28 (11-12):1137-41, 2012. PMID: 2217826
 72. Chun OK, Lee SG, Wang Y, Vance T, **Song WO**. Estimated Flavonoid Intake of the Elderly in the U.S. and around the world. *J Nutrition Gerontol Geriatr* 31(3): 190-205, 2012. PMID: 22888838
 73. Yang M, Wang Y, Davis CG, Lee SG, Fernandez ML, Koo SI, Cho E, Song WO, Chun OK. Validation of a food frequency questionnaire to assess short-term antioxidant intake against 30-d food records and plasma biomarkers. *Public Health Nutrition* Nov 20:1-10, 2012 [Epub ahead of print] PMID: 23164175
 74. Cha YS, Yang JA, Back HI, Kim SR, Kim MG, Jung SJ, **Song WO** and Chae SW. Visceral fat and body weight are reduced in overweight adults by the supplementation of Doenjang, a fermented soybean paste. *Nutrition Research and Practice*. 6(6):520-526, 2012. PMID:23346302
 75. Dwyer J, Eisenberg A, Prelack K, **Song WO**, Nelson J, Sonnevile K, Ziegler P. Eating attitudes and food intakes of elite adolescent female figure skaters. *J of the International Society of Sports Nutrition*. 9:53-61, 2012
 76. Venkatesh S, Weatherspoon LJ, Kaplowitz SA, **Song WO**. Acculturation and glycemic control of Asian Indian Adults with Type 2 diabetes. *J Community Health*. 2013 Feb;38(1):78-85. doi: 10.1007/s10900-012-9584-6.
 77. Yang M, Floegel A, Koo S, **Song W**, Chung SJ, Chun OK. Dietary antioxidant capacity is associated with improved serum antioxidant status and decreased serum C-reactive protein and plasma homocysteine concentrations. *European J of Nutrition* 2013. [epub ahead of print] PMID: 23287847
 78. Cha YS, Kim SR, Yang JA, Back HL, Kim MG, Jung SJ, **Song WO**, Chae SW. Kochujang, fermented

- soybean-based red pepper paste, decreases visceral fat and improves blood lipid profiles in overweight adults. *Nutr Metab (Lond)* Feb 26; 10(1):24, 2013. PMID:23442518
79. Wang Y, Chun OK, **Song WO**. Plasma and Dietary Antioxidant Status as Cardiovascular Disease Risk Factors: a Review of Human Studies. In *Nutrition and Cardiovascular Diseases*. *Nutrients*. 2013 Jul 31;5(8):2969-3004. doi: 10.3390/nu5082969. PMID:23912327
 80. Yang M, Lee SG, Wang Y, Lloyd B, Chung SJ, **Song WO**, Chun OK. Orange juice, a marker of diet quality, contributes to essential micronutrient and antioxidant intakes in the United States population. *J Nutr Educ Behav*. 2013 Jul-Aug; 45(4):340-8. Epub 2013 Feb 20. 02/2013
 81. Yang M, Chung SJ, Floegel A, Song WO, Koo SI, Chun OK. Dietary antioxidant capacity is associated with improved serum antioxidant status and decreased serum C-reactive protein and plasma homocysteine concentrations. *Eur J Nutr*. 2013 Dec;52(8):1901-11. 2013
 82. Yoon DH, Lim MH, Lee YR, Sung GH, Lee TH, Jeon BH, Cho JY, Song WO, Park H, Choi S, Kim TW. A novel synthetic analog of militarin, MA-1 induces mitochondrial dependent apoptosis by ROS generation in human lung cancer cells. *Toxicology and Applied Pharmacology*. *Toxicol Appl Pharmacol*. 2013 Dec 15;273(3):659-71, doi:pii: S0041-008X(13)00463-8. 10.1016/j.taap.2013.10.015. Oct 22 2013
 83. Shin DY, Bianci L, Chung H Weatherspoon L, **Song WO**. Is gestational weight gain associated with diet quality during pregnancy? *Maternal and Child Health Journal*. 18(6) 1433-1443, 2014.
 84. Song SJ, Lee JE, **Song WO**, Paik HY. Carbohydrate intake and refined grain consumption are associated with metabolic syndrome in the adult Korean population, *J of Acad of Nut & Dietetics* 114:54-62, 2014.
 85. Shin DY, Chung H, Weatherspoon L, **Song WO**, Validity of prepregnancy weight status estimated from self-reported height and weight. *Maternal and Child Health Journal*. 18(7): 1667-1674, 2014
 86. Jung SJ, Park SH, Choi EK, Cha YS, Cho BH, Kim YG, Kim MG, **Song WO**, Park TA, Ko JK, So BO, Chae SW. Beneficial effects of Korean traditional diets in hypertensive and type 2 diabetic patients. *J of Med Food*, 17(1), 161-71, 2014.
 87. Song SJ, Paik HY, **Song WO**, Park MS, Song YJ. Three distinct clustering patterns in metabolic syndrome abnormalities are differently associated with dietary factors in Korean adults. *Nutrition, Metabolism & Cardiovascular Diseases*. *Nutr Res*. 2014 May; 34(5):383-90. 2014
 88. Wang Y, McCullough M, Chung SJ, **Song W**, Maria-Luz M, Koo S, Chun OK. Dietary carotenoids are associated with cardiovascular disease risk biomarkers mediated by serum carotenoid concentrations. *J Nutr*. 2014 Jul;144(7):1067-74. 2014
 89. Song SJ and **Song WO**, National nutrition surveys in Asian countries: Surveillance and monitoring efforts to improve global health. *Asia Pacific Journal of Clinical Nutrition* 23(4): 514-523, 2014.
 90. Shin DY, **Song WO**. Prepregnancy BMI is an independent risk factor for gestational hypertension, gestational diabetes, preterm labor and small-for-gestational-age infants. *J Matern Fetal Neonatal Med*. Sep 11:1-23, 2014.
 91. Lee KH, **Song WO**. Dosage Effects of Enrollment for Migrant Head Start Children's Weight Outcomes. *Health & Social Work*, 40 (2), 142-150, 2015.
 92. Song SJ, Paik HY, **Song WO** and Song YJ. Metabolic syndrome risk factors are associated with white rice intake in Korean adolescent girls and boys. *British J of Nutrition*. doi:10.1017/S0007114514003845; p1-9, 2015
 93. Hossen MJ, Jeon SH, Kim SC, Kim JH, Jeong D, Sung NY, Yang SJ, Baek KS, Kim JH, Yoon DH, **Song WO**, Yoon KD, Cho SH, Lee S, Kim JH, Cho JY. In vitro and in vivo anti-inflammatory activity of *Phyllanthus acidus* methanol extract. *J of Ethnopharmacology*. 168: 217-228, 2015
 94. **Song WO**, Song SJ, Parents' BMI and weight perception are associated with overweight and obesity among children in Michigan migrant and seasonal farm worker families, *J of Community Medicine*. 1(1):3-8, 2015.
 95. Shin DY, Song SJ, Krumhar K, **Song WO**. Snack patterns are associated with biomarkers of glucose metabolism in U.S. men. *International Journal of Food Sciences and Nutrition*. 66 (5) 595-602, 2015
 96. Shin DY, Lee KW and **Song WO**. Dietary patterns during pregnancy are associated with risk of gestational diabetes mellitus. *Nutrients*. Nov 12; 7 (11), 9369-9382, doi:10.3390/nu70x000x, 2015
 97. Kim WK, Shin DY and **Song WO**. Depression and its comorbidity more serious in women than in men in the U.S. *J of Women's Health (Larchmt)*, Dec: 24(12): 978-85. 2015

98. Jung SJ, Kim M, Park T, Kim Y, **Song WO**, Chae SW. Riced-based Korean meals (Bibimbop, Kimbop) have lower glycemic responses and postprandial triglyceride effects than energy-matched Western meals. *J of Ethnic Foods, J of Medicinal Foods* 2:154-161, DOI: 10.1016/j.jef.2015.11.002, 2015
99. Lee H, Kang MK, **Song WO**, Shim J, Paik HY. Gender analysis in development and validation of food frequency questionnaire: a systematic review. *The British J Nutrition*. Dec 115 (4), 666-71, 2016. doi:10.1017/S0007114515004717 ISSN: 0007-1145
100. Lee KW, Cho MS, Shin D, **Song WO**. Changes in iodine status among US adults, 2001-2012. *International Journal of Food Sciences and Nutrition*, 67(2), 184-194, 2016. Feb 16, ISSN: 0963-7486. 1465-3478 (online) Journal homepage: <http://www.tandfonline.com/loi/ijf20>
101. Shin DY, Lee KW, **Song WO**. Pre-Pregnancy Weight Status Is Associated with Diet Quality and Nutritional Biomarkers during Pregnancy. *Nutrients*, 2016, 8, 162; doi:10.3390/nu8030162
102. Lee KW, Shin DY, **Song WO**. Iodine status associated with dyslipidemia in US adults. *Nutrients*. 2016, 8 (3), 171; doi:10.3390/nu8030171
103. Song SJ, Paik HY, **Song WO** and Song YJ. Sex differences in the risk of metabolic syndrome and its diagnostic components in Korean adults. *Biomedical Journals* 5(2):1000233, 2016
104. Lee KW, Shin DY, Cho MS and **Song WO**. Food group intakes as determinants of iodine deficiency among US adult population. *Nutrients*. 8, 325; doi:10.3390/nu8060325, 2016
105. Lee KW, **Song WO**, Cho MS. Diet quality differs by consumption of meals prepared at home vs. outside in Korean adults. *Nutrition Research and Practice*. 10(3): 294-304, <http://dx.doi.org/10.4162/nrp.2016.10.3.294>. 2016
106. **Song WO**, Song SJ, Nieves V, Gonzalez A, Crockett ET. Nutritional health attitudes and behaviors and their associations with the risk of overweight/obesity among childcare providers in Michigan Migrant and Seasonal Head Start centers *BMC Public Health*, PUBH-D-16-00470R2, 2016 (IF 2.16)
107. Venkatesh S, Conner T, **Song WO**, Olson B and Weatherspoon LJ. The relationship between dietary acculturation and type 2 diabetes risk among Asian Indians in the U.S. *Public Health Reports. J of Immigrant and Minority Health*. Aug DOI 10.1007/s10903-016-0482-3. 2016
108. Kim WK, Shin DY, **Song WO**. Depression is associated with dietary patterns in women. *J of Medicinal Food* (In print, 8/30). 2016
109. Shin DY, Lee KW, **Song WO**. Dietary patterns during pregnancy are associated with gestational weight Gain. *Maternal and Child Health Journal*, 20(12), 1-12, 2527-2538. Doi. 10.1007/s10995-016-2078-x. 2016
110. Lee KW, Shin DY, **Song WO**. Total water intake from beverages and foods is associated with energy intake and eating behaviors in Korean adults. *Nutrients*. 8(10): 617-620. 2016
111. Shin D, Lee KW, **Song WO**. Dietary Patterns during Pregnancy Are Associated with Risk of Gestational Diabetes Mellitus. *Nutrients*. 7(11):9369-9382, 2016
112. Song SJ, **Song WO**, Song, YJ Dietary carbohydrate and fat intakes are differentially associated with lipid abnormalities in Korean adults. *Journal of Clinical Lipidology*. 11, 338-347, DOI: 10.1016/j.jacl.2017.01.016, February 2017.
113. Lim M, Song SJ, **Song WO**. Prevalence and Determinants of Overweight and Obesity in Children and Adolescents from Migrant and Seasonal Farmworker Families in the United States – A Systematic Review and Qualitative Assessment. *Nutrients*, 9, 188-201; doi:10.3390/nu9030188, 2017
114. Goldstein R, Abell S, Misso M, Raasinha S, Boyle J, Black MH, LI N, HU G, Corado F, Rode L, Kim YJ, Haugen M, **Song W**, Kim MH, Bogaerts A, Devlieger R, Chung J, Teede H. Gestational weight gain outside Institute of Medicine guidelines: Systematic review and meta-analysis of maternal and infant outcomes in over one million women. *JAMA* 317(21):2207-2225. doi:10.1001/jama.2017.3635, 2017
115. Yoon DH, Han CW, Fang Y, Gundeti S, Lee ISH, **Song WO**, Hwang KC, Kim TW, Sung GH, Park H. Butanol Fraction of Cordyceps bassiana Inhibits LPS-induced Inflammation in RAW 264.7 Macrophage Cells by Suppressing NF-κB Activation. *Molecules* Sep; 22(9): 2367. 2017
116. Moon DH, Han CW, Fang Y, Gundeti S, Lee Ik, **Song WO**, Hwang KC, Kim TW, Sung GH, Park H. Inhibitory Activity of Cordyceps bassiana Extract on LPS-induced Inflammation in RAW 264.7 Cells by Suppressing NF-κB Activation. *Natural Product Sciences* 23(3): 1-7, 2018 <https://doi.org/10.20307/nps.2017.23.3.1>

117. Goldstein R, Abell S, Ranasinha S, Misso M, Boyle J, Harrison C, Black MH, Li N, Hu G, Corrado F, Heggrd H, Kim YJ, Haugen M, **Song W**, Kim MH, Bogaerts A, Devlieger R, Chung J, Teede H. Gestational weight gain across continents and ethnicity - Systematic review and meta-analysis of maternal and infant outcomes in over one million women. *BMC Medicine* 16:153, **2018**
118. Chikakuda A, Shin DY, Comstock S, Song SJ and **Song WO**. Compliance to prenatal iron and folic acid supplement use in relation to low birth **weight in Lilongwe, Malawi**. *Nutrients* **2018**, 10(9), 1275; <https://doi.org/10.3390/nu10091275>, registered DOI
119. Kubuga C, Dillon A, **Song W**. Container gardening to combat micronutrients deficiencies in mothers and young children during dry/lean season in **northern Ghana**. *J Hunger and Environmental Nutrition*. 14(6) 850-863, <https://doi.org/10.1080/19320248.2018.1512922>
120. Kubuga C, Hong G, **Song, WO**. *Hibiscus Sabdariffa* meal improves iron status of childbearing age women and prevents stunting in their toddlers in **northern Ghana**. *Nutrients*. *Nutrients* 2019, 11, 198; doi:10.3390/nu11010198
121. Song, S., Shim, J., & **Song, W**. Trends in total fat and fatty acid intakes and chronic health conditions in **Korean adults** over 2007–2015. *Public Health Nutrition*, 1-10. doi:10.1017/S1368980018003701 Feb, 2019
122. Farabi N, Song SJ, Crockett ET, **Song WO**. High prevalence of asthma and its determinants among Hispanic/Latino children enrolled in **Michigan Migrant and Seasonal Head Start** Programs, *Journal of Child Science J Child Sci* 2019;9:e17–e23. 2019
123. Kubuga C, Abizari, AR, Song WO. Iodine status of reproductive age women and their toddlers in **northern Ghana** improved through household supply of iodized salt and weekly indigenous meal consumption. *PIOS ONE*. 2019 May 31;14(5):e0216931. doi: 10.1371/journal.pone.0216931. eCollection.2019
124. Shin DY, **Song WO**. Association of the Adequacy of Prenatal Care Utilization index with small-for-gestational-age and preterm births in the United States. *Journal of Clinical Medicine*, DOI: [10.3390/jcm8060838](https://doi.org/10.3390/jcm8060838). June 12, 2019
125. Ba DM, Ssentongo P, Na M, Liu G, Du P, **Song W**, Gao S. Urinary iodine concentration in determining iodine deficiency and its associated factors among childbearing age women 20-49 years in **Tanzania**. Submitted to *J of Nutr*. MS#, CDN-D-19-00187.110619, 2019
126. Kubuga C, Kennedy G, Song WO. Food-based indicators are related to iron and iodine deficiencies of mother-toddler dyads during lean season in **northern Ghana**. *British J of Nutrition*, BJN-RA-19-0910.R2. Accepted Feb 2020
127. Kubuga C, Shin DY, Song WO. Determinants of dietary patterns of Ghanaian mother-child dyads: The **2008 Ghana Demographic and Health Survey** (submitted to *Nutrient* 7/19)
128. Song SJ, Paik HY, **Song WO**, Park MS and Song YJ. Heavy alcohol consumption is a determinant of metabolic syndrome in currently smoking Korean men. *AJCN* (submitted)
129. Shin DY, **Song WO**. Prepregnancy BMI, Gestational Weight Gain, and Diet Before and During Pregnancy as Risk Factors for Gestational Diabetes Mellitus. *Journal of Maternal-Fetal & Neonatal Medicine*. (submitted)

Graduate Students trained

PhD students, year graduated: Yali Huang, PhD, Jean Kerver, PhD, RD, Dayeon Shin, PhD, RD, 2016, Clement Kubuga (**Ghanian**), PhD, 2017

MS Students: Miyoung Jang, Meichen Chen, Yikyung Park, Saidah Bakar (**Tanzanian**), MS, 2016
Aaron Chikakuda (**Malawian**), MS, 2017
Elizabeth Ndaba (**Tanzanian**), MS, 2018

Preceptor for Visiting Scholars, Research Associates and Postdoctoral Fellows

Dr. Yosook Song, Visiting Scholar, 1993-1994. Woosuk University, Korea (Current Position); Dr. Eunjoo Yang, Postdoctoral fellow, 1998-2002. Professor, Chunnam University (Current Position); Dr. Ock K. Chun, Postdoctoral fellow, 2003-2007. Associate Professor, Univ of Connecticut (Current Position); Dr. Woo Kyung Kim, Visiting Scholar, 2014-2015. Professor Dankuk University (Current Position); Dr. Florence Tushmere, Visiting Scholar, Sept-Dec, 2014. **Univ of Uganda**; Dr. Kyungwon Lee, Postdoctoral Fellow, 2014-2017; Dr. Song, Sujin, Postdoctoral Fellow, 2012, 2013-2017