

Curriculum Vitae

Nilupa S. Gunaratna, PhD

Purdue University
Department of Public Health
Cluster on Advanced Qualitative and Quantitative
Methodologies for Social, Behavioral, and Health Sciences

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EDUCATION

Purdue University, West Lafayette, IN

PhD, Statistics 2007

Dissertation: Evaluating the Nutritional Impact of Maize Varieties Genetically
Improved for Protein Quality

Advisor: George P. McCabe

MSc, Statistics 2003

Specialization in Applied Statistics

MSc, Agronomy 2002

Specialization in Plant Genetics and Breeding

Thesis: Early Season Cold Tolerance in Sorghum

Advisor: Gebisa Ejeta

Cornell University, Ithaca, NY

BA, College Scholar Program 1999

EXPERIENCE

Purdue University

Associate Professor (with tenure), Department of Public Health 2021-present

Courtesy Faculty, Department of Nutrition Science 2020-present

Assistant Professor, Department of Public Health 2019-2021

Assistant Professor, Department of Nutrition Science and
Public Health Graduate Program 2017-2019

Harvard T.H. Chan School of Public Health

Research Associate, Department of Global Health and Population 2011-2017

Research Associate, Department of Nutrition 2010-2011

Nevin Scrimshaw International Nutrition Foundation

Statistician and Senior Manager, Operations 2009-2010

Program Officer 2007-2009

Statistical Consultant 2007-2010
Multiple consultancies with national and international research centers and non-governmental organizations operating in Sub-Saharan Africa

Purdue University
Consultant, Technical Assistance Program (TAP) 2004-2005
Consultant, Statistical Consulting Service (SCS) 2003-2005

AWARDED FUNDING

Since Arrival at Purdue

Agricultural Research and Extension Leading to Economic Development in Indiana Agriculture and Rural Communities (AgSEED) **Responsible Amount: \$50,000**
2022-2023
Hoosier Latino Farmworker Youth: Labor Demands, Basic Needs, Resources, and Opportunities
Role: Principal Investigator

College of Health and Human Sciences, Purdue University **Responsible Amount: \$31,684**
2021-2022
Ross-Lynn Research Scholar Program
Role: Principal Investigator

United States Agency for International Development (USAID) **Responsible Amount: \$98,812**
2021-2023
Applied Nutrition Research Capacity Building in Laos
Role: Co-Investigator

Protect Purdue Innovations Faculty Grants **Responsible Amount: \$20,000**
2020
FORGE-Purdue: Fostering Food Security, Health, and Resilience in Graduate Education at Purdue
Role: Principal Investigator

HHS COVID-19 Rapid Response Grant Program **Responsible Amount: \$10,000**
2020-2021
Rapid Assessment of Impact of the COVID-19 Pandemic Response on Food Systems in Kenya
Role: Principal Investigator

Universidad Nacional de San Agustín **Responsible Amount: \$28,760**
2019-2020
UNSA NEXUS: Arequipa Region Soil Vulnerability, Impairment, and Health Assessment
Role: Co-Investigator

International Maize and Wheat Improvement Center (CIMMYT) **Responsible Amount: \$9000**
2018-2019
CIMMYT Maize Agro-food Systems Review
Role: Subcontract PI

University of South Carolina **Responsible Amount: \$270,000**

Bill and Melinda Gates Foundation (BMGF) and United Kingdom's Department for International Development (DFID): Drivers of Food Choice Competitive Grants Program

2018-2020

Diet, Environment, and Choices of Positive Living (DECIDE Study): Evaluating personal and external food environment influences on diets among PLHIV and families in Dar es Salaam, Tanzania

Role: Co-Investigator / Mentor to PI (Postdoctoral Research Associate Dr. Ramya Ambikapathi)

Eleanor Crook Foundation and Conrad N. Hilton Foundation **Responsible Amount: \$1,539,678**

2017-2021

Engaging Fathers for Effective Child Nutrition and Development in Tanzania (EFFECTS)

Role: Co-Principal Investigator

Food, Agriculture and Natural Resources Policy Analysis Network (FANRPAN) **Responsible Amount: \$48,392**

2017-2018

African Chicken Genetic Gains – Agriculture-Nutrition Interventions

Role: Subcontract PI

Leadership (prior to 2017)

Bill and Melinda Gates Foundation (BMGF) **Amount: \$249,531**

United Kingdom's Department for International Development (DFID)

2015-2017

Agronomic Biofortification of Maize with Zinc Fertilizers to Improve Nutrition in Young Children and Women of Reproductive Age in Rural Ethiopia

Role: Co-PI

Agricultural Technology Adoption Initiative (ATAI) **Amount: \$761,651**

2014-2017

Translating Adoption of Improved Varieties into Nutritional Impact for Young Children

Role: Co-PI

International Maize and Wheat Improvement Center (CIMMYT) **Amount: \$190,994**

2012-2017

Nutritious Maize for Ethiopia (NuME)

Role: PI

HarvestPlus **Amount: \$127,000**

2009-2011

Protein Quality, Amino Acid Availability and Health Outcomes in Developing Countries Role: Co-PI

International Maize and Wheat Improvement Centre (CIMMYT) 2008-2010 Quality Protein Maize Development for the Horn and East Africa Role: PI	Amount: \$37,700
Sasakawa Africa Association 2007-2008 Sasakawa Global 2000 Programme Role: PI	Amount: \$20,000
American Statistical Association (ASA) 2006-2007 Strategic Initiatives Grant: Statistics in the Community Role: PI	Amount: \$35,000
<u>Collaborative (Significant Contribution to Proposal)</u> Bill and Melinda Gates Foundation (BMGF) 2016-2018 African Chicken Genetic Gains – Agriculture-Nutrition Interventions Role: Co-Investigator	Amount: \$3,082,721
United States Agency for International Development (USAID) 2010-2016 Nutrition Collaborative Research Support Program (CRSP, currently the Feed the Future Innovation Lab for Nutrition), Focus on Africa Role: Co-Investigator	Amount: \$535,400
<u>Other Support</u>	
National Institutes of Health (NIH) National Institute of Child Health and Human Development (NICHD) 2009-2015 Malaria in Pregnancy: Nutrition and Immunologic Effects Role: Co-Investigator, Statistician	
National Institutes of Health (NIH) National Institute of Child Health and Human Development (NICHD) 2009-2014 Prenatal Iron Supplements: Safety & Efficacy in Tanzania Role: Co-Investigator, Statistician	
World Health Organization 2009-2013 Effect of Neonatal Vitamin A Supplementation in Improving Child Survival-Tanzania Role: Co-Investigator	

LEARNING (since August 2017)

Postdoctoral mentoring

- Dr. Ramya Ambikapathi (postdoctoral research associate, research scientist, Purdue University)
- Dr. Upasona Ghosh (assistant professor, Indian Institute of Public Health, Bhubaneswar, under Public Health Foundation of India)

Doctoral students, completed

- Evidence Matangi, PhD, Statistics, 2019 (Co-Advisor with George McCabe)
- Masresha Tessema (Wageningen University and Research, the Netherlands, and Jimma University, Ethiopia, Co-Supervisor with Inge Brouwer)

Doctoral students, current

- Savannah Froese (PhD candidate, Nutrition Science)
- Susmita Ghosh (PhD student, Nutrition Science)

Doctoral committees, completed

- Moustapha Moussa, PhD, Food Science, 2019
- Wilson Emiliano Lopez Barrera, PhD, Agricultural Economics, 2021
- Rana Chehab, PhD, Department of Nutrition Science, 2021
- Lily Darbishire (PhD, Department of Nutrition Science)

Doctoral committees, current

- Eunjin Cheon (PhD candidate, Department of Nutrition Science)
- Edem Sededji (PhD student, School of Health Sciences)

Masters of Science students, completed

- Cristiana Verissimo (Nutrition Science)

Masters of Public Health students engaged in research, completed

- Rachel Ragland
- Alexandra Bianco
- Morgan Boncyk
- Dalia AboAlsafa
- CheKenna Fletcher
- James Kanani

Masters of Public Health students engaged in research, current

- Madeline Powers

Other predoctoral mentoring, current

- Morgan Boncyk (research associate, Purdue University)

Other predoctoral mentoring, completed

- Rachel Roh (research assistant, Purdue University)

Undergraduates engaged in research, completed

- James Kanani

- Morgan Boncyk (Department of Nutrition Science Honors Program)
- Christina Cao
- Madeline Powers

Undergraduates engaged in research, current

- Lauren Heniff
- Sophia Schadewald
- Mary Noonan
- Courtney Lacy

Masters of Public Health Culminating Projects, completed

- Rachel Ragland
- Naomi Kilembo

Courses Taught

- PUBH 240/490: Global Health, 2 credits, 3 semesters
- NUTR 590: Design and Analysis of Randomized Trials in Public Health, 3 credits, 3 semesters
- PUBH 590: Foundations of Global Health, 3 credits, 3 semesters
- NUTR 695: Nutrition Science Student Seminar Series, 1 credit, 4 semesters

Course Creation and Curriculum Development

- Created PUBH 240/490: Global Health (2 credits)
- Created NUTR 590: Design and Analysis of Randomized Trials in Public Health (3 credits)
- Co-created PUBH 590: Foundations of Global Health (3 credits)
- Member, committee to revise the Health Statistics curriculum for the Masters of Public Health (MPH) degree (2018)

Guest Lectures

- AGE 528: Global Change and the Challenge of Sustainably Feeding a Growing Planet (spring semesters, 2021-2022)
- HSCI 201: Principles of Public Health Science (spring semesters, 2019-2022)
- NUTR 107: Introduction to Nutrition Science (fall semesters, 2018-2019)
- NUTR/AGE 532: World Food Problems (2 lectures, fall semesters, 2017-2021)
- PUBH 100: Introduction to Public Health (spring semesters, 2021-2022)
- STAT 598: Exploring Statistical Sciences Seminar (fall 2019)
- “Leveraging Agriculture for Human Nutrition,” Borlaug Summer Institute on Global Food Security, 2018

Other

- Ingestive Behavior Research Center (IBRC): Faculty mentor for graduate students conducting meta-analyses (2018-2022)

UNIVERSITY SERVICE AND ENGAGEMENT

University

- Health Sector Coordinator, Peace Corps Prep Program, Purdue University (2022 – present)

- Purdue Arequipa Nexus Institute Initiative to Establish a Center on Food Security at the Universidad Nacional de San Agustín (UNSA), Peru (lead for Nutrition, 2019 – present)
- Member, Advanced Methods at Purdue (2017 – present)
- Presentations on the Fostering Food Security, Health, and Resilience in Graduate Education at Purdue (FORGE-Purdue) Survey:
 - University Residences (March 2022)
 - Graduate Council (April 2021)
 - College of Health and Human Sciences Diversity, Equity, and Inclusion Committee (March 2021)
 - Associate Deans of Graduate Programs (Feb 2021)
- Giant Leaps to Ending Global Hunger Committee (2018 – 2019)
- Universidad Nacional del Centro del Peru (UNCP) campus visit, April 25, 2019
- Poster judge, Health and Disease: Science, Technology, Culture and Policy Research Poster Session, February 28, 2019
- Indiana Clinical and Translational Sciences Institute (CTSI) Core Pilot Grant Review Evaluation (2017, 2018, 2019)
- Committee to organize “Advanced Methodologies at Purdue (AMAP): Behavioral, Health, and Social Sciences Symposium,” held on October 29-30, 2018
- Instructor, Borlaug Summer Institute on Global Food Security, 2018

College

- Co-Leader, Sustainable and Thriving Communities and Organizations (STCO) Signature Area, College of Health and Human Sciences (2021 – present)
- Research Advisory Committee (2020 – present)
- Interdepartmental Nutrition Program Education Committee (2020 – present)
- Poster judge, Health and Human Sciences Life-Inspired Week Spring Research Event, March 2022
- Member, Search Committee for Associate Dean for Research, College of Health and Human Sciences (2021-2022)
- Member, Search Committee for Head, Department of Public Health (2021-2022)
- Reviewer, Hatch Project Proposals, 2020
- College of Health and Human Sciences Strategic Planning Engagement Committee (2019 – present)
- Public Health Graduate Program Policy Committee (2019)
- Roundtable speaker, Breaking Barriers: Improving Access to Health Services for Women and Children in Indiana, Purdue University, West Lafayette, IN, April 22, 2019
- Poster judge, Interdepartmental Nutrition Program Prospective Graduate Student Day on Campus, February 1, 2019
- Interdepartmental Nutrition Program application review, 2018, 2019, 2020
- Public Health Graduate Program Experiential Learning Committee (2018 – 2019)
- College of Health and Human Sciences Diversity Council (2017 – present)
- Public Health Graduate Program Statistics Task Force (2017 – 2018)

Department

- Department of Public Health Undergraduate Committee (2020-present)
- Department of Public Health Graduate Committee (2019-present)
- Department of Public Health Faculty Affairs Committee (2019-present)

- Department of Public Health Practicum Committee (2019-present)
- On-campus recruitment events, including diversity recruitment, for the Department of Public Health, 2019-2021
- Co-creation of a Public Health and Human Development and Family Studies Learning Committee at Purdue's Data Mine (Integrative Data Science Initiative and Learning Communities)
- On-campus recruitment events for the Nutrition Science Department and Public Health Graduate Program, 2018, 2019
- Department of Nutrition Science Outreach Committee (2017-2019)
- Department of Nutrition Science Internal Awards Committee (2017-2019)
- Department of Nutrition Science Signature Area Committee (2017-2018)

PROFESSIONAL SERVICE AND ENGAGEMENT

- 2021-present Member, Committee on Professional Ethics, American Statistical Association
- 2009-2016 Statistics Without Borders
- Coordinator and contributor, Statistics Without Borders Blog, 2014-2016
 - Communications Director, 2012-2016
 - Secretary/Treasurer, 2009-2012
- 2011-2014 Executive Committee Member-at-Large, Section on Statistical Consulting, American Statistical Association
- 2012-2013 Member, Advisory Committee, "Pressing the Limits of Inclusion: Women of Color in Science and Engineering," Institute for Women's Policy Research
- 2008-2011 Member, Planning Committee, Boston Chapter of the American Statistical Association
- 2006-2007 Leader, "Statistics in the Community (STATCOM)" Strategic Initiative, American Statistical Association
- 2003-2007 Statistics in the Community (StatCom), Purdue University
- Advisor for University Outreach, 2006-2007
 - Advisor, 2005-2006
 - Director, 2004-2005
 - Other leadership roles, 2003-2004

OTHER PROFESSIONAL SERVICE

- Reviewer for scientific journals including Food Policy, Journal of Statistics Education, Agricultural Systems, Malaria Journal, BMC Pregnancy and Childbirth, Nutrients, and Food Security
- Guest on "The Grindstone" podcast, discussing the effects of the COVID-19 pandemic on global food systems (multiple podcasts, 2020)
- Speaker, Engaging Fathers for Effective Child Nutrition and Development in Tanzania Study (EFFECTS) Stakeholder Workshop, Musoma, Tanzania, September 25, 2018
- Co-organizer, national dissemination event on "Nutrition-sensitive agriculture: The role of zinc and agronomic biofortification to improve nutrition in Ethiopia," Addis Ababa, Ethiopia, November 30, 2016
- Co-organizer, Invited Symposium on "Addressing Human Zinc Deficiency through Agriculture Innovations in Ethiopia," 5th Conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, September 23-26, 2016

- Chair, Invited Paper Session on “International Statistical Consulting: Current Initiatives to Build Statistics Capacity in Developing Countries,” Joint Statistical Meetings, Montreal, Canada, August 3-8, 2013
- Organizer, Invited Panel Session on “Global Statistical Capacity and the Role of Statistical Societies,” Joint Statistical Meetings, Vancouver, Canada, July 31-August 5, 2010
- Organizer, Invited Panel Session on “Building Statistical Capacity Globally,” Joint Statistical Meetings, Washington DC, August 1-6, 2009
- Successful proposal to establish the American Statistical Association’s Committee on Student Pro Bono Statistics (2008)
- Chair, Contributed Session on “Consumer and GMO,” 12th Congress of the European Association of Agricultural Economists, Ghent, Belgium, August 26-29, 2008
- Organizer, Invited Paper Session on “The Future of Pro Bono Statistics,” Joint Statistical Meetings, Salt Lake City, UT, July 28-August 2, 2007
- Reviewer, Purdue Graduate Student Government (PGSG) Travel Grant (2004, 2005)
- Publicity Coordinator, Children’s Heart Surgery Program, Hambantota, Sri Lanka (2003-2004)
- Chief Editor, ColomboPage.com (2000-2007)

HONORS AND AWARDS

Postdoctoral

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| 2018 | Purdue University Seed for Success Award (for obtaining a \$1 million or more external sponsored award) |
| 2011 | American Statistical Association Travel Grant Award to attend the 58th World Statistics Congress of the International Statistical Institute (ISI), Dublin, Ireland |
| 2009 | Coca-Cola Travel Grant Award to present at the 19th International Congress of Nutrition, Bangkok, Thailand |

Graduate

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| 2001-2006 | National Science Foundation (NSF) Vertical Integration of Research and Education (VIGRE) Fellowship |
| 2005 | STATCOM Community Service Award, Purdue University |
| 2004-2005 | Travel Grant Awards, Purdue University <ul style="list-style-type: none"> • Women in Science Program (2005) • Purdue Graduate Student Government (2004 and 2005) |

Mentee Honors and Awards

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| 2022 | Lauren Heniff: Outstanding Senior Award, Department of Public Health |
| 2021 | Morgan Boncyk: Outstanding MPH Student Award, Department of Public Health |
| 2021 | Lauren Heniff: Top Life Sciences Abstract, Purdue Undergraduate Research Conference |
| 2020 | Morgan Boncyk: Best Poster Award, Agriculture, Nutrition, and Health (ANH) Academy Week |
| 2020 | Cristiana Edwards (Verissimo): Rickard Family Graduate Nutrition Support Fund Scholarship |
| 2020 | Morgan Boncyk: Top abstract in Social Sciences/Humanities/Education at the Purdue Undergraduate Research Conference, Spring 2020 |
| 2020 | Morgan Boncyk: Outstanding Senior in Nutrition Science |
| 2020 | Morgan Boncyk: Compton Graduate Student Research Travel Award |

2020 Morgan Boncyk: Office of Undergraduate Research Travel Grant
 2020 Wilson Emiliano Lopez Barrera: Jim and Neta Hicks Graduate Student Small Grant
 2019-2023 Cristiana Edwards: Lynn Fellowship
 2019-2023 Savannah Froese: Andrews Fellowship
 2019-2020 Morgan Boncyk: Office of Undergraduate Research Scholarship
 2019 Morgan Boncyk: College of Health and Human Sciences Undergraduate Research Travel Award
 2018, 2019 Evidence Matangi: Summer Research Grant, Department of Statistics, Purdue University
 2018-present Wilson Emiliano Lopez Barrera: Purdue Systems Collaboratory Systems Fellowship
 2018 Masresha Tessema: Finalist in the 2018 American Society for Nutrition (ASN) Young Minority Investigator Oral Competition, Boston, MA
 2018 Dr. Ramya Ambikapathi: Best Poster at the Third Annual Agriculture, Nutrition and Health (ANH) Academy Week, Accra, Ghana

Statistical Software

SAS, SPSS, R, Stata

Languages

Fluent: English
 Intermediate: Sinhala (conversational)
 Beginner: Kiswahili, German, Spanish (reading), French (reading)

Professional Organizations

Agriculture, Nutrition, and Health Academy
 American Statistical Association
 American Society for Nutrition
 American Public Health Association
 Statistics Without Borders

PEER-REVIEWED PUBLICATIONS

Complete List of Published Work on Google Scholar:

<https://scholar.google.com/citations?user=rFdYI2wAAAAJ&hl=en>

1. Boncyk M, Shemdoe A, Ambikapathi R, Mosha D, Froese SL, Verissimo CK, Mwanyika-Sando M, Killewo J, Leyna GH, Gunaratna NS, and Patil CL. (2022) "Exploring drivers of food choice among PLHIV and their families in a peri-urban Dar es Salaam, Tanzania." *BMC Public Health* 22 (1): 1-12.
2. Passarelli S, Abdelmenan S, Tewahido D, Demmu YM, Abreham H, Ambikapathi R, Gunaratna NS, Berhane Y, and Fawzi W. (2022) "Nutrition-sensitive chicken production in Ethiopia: a qualitative evaluation." *Agriculture & Food Security* 11(1): 1-12.
3. Ambikapathi R, Irema I, Lyatuu I, Caswell B, Mosha D, Nyamsangia S, Galvin L, Mangara A, Boncyk M, Froese SL, Verissimo CK, Itatiro J, Kariathi V, Kazonda P, Wandella M, Fawzi W, Killewo J, Mwanyika-Sando M, PrayGod G, Leyna G, Patil C, and Gunaratna NS. (2022) "Gender and age differences in meal structures, food away from home, chrono-nutrition, and nutrition intakes among adults and children in Tanzania using a newly developed tablet-based 24-hour recall tool." *Current Developments in Nutrition* 6(3): nzac015.

4. Passarelli S, Sudfeld C, Davison KK, Fawzi W, Donato K, Tessema M, Gunaratna NS, De Groot H, Cohen J, and McConnell M. (2022) "Caregivers systematically overestimate their child's height-for-age relative to other children in rural Ethiopia." *The Journal of Nutrition*: nxac015.
5. Higgins KA, Hudson JL, Hayes AMR, Braun E, Cheon E, Couture SC, Gunaratna NS, Hill ER, Hunter SR, McGowan BS, Reister EJ, Wang Y, and Mattes RD. (2022) "Systematic review and meta-analysis on the effect of portion size and ingestive frequency on energy intake and body weight among adults in randomized controlled feeding trials." *Advances in Nutrition*: nmab112.
6. Passarelli S, Ambikapathi R, Gunaratna NS, Madzorera I, Canavan CR, Noor RA, Tewahido D, Berhane Y, Sibanda S, Sibanda LM, Madzivhandila T, Munthali BLM, McConnell M, Sudfeld C, Davison K, and Fawzi W. (2021) "The role of chicken management practices in children's exposure to environmental contamination: a mixed-methods analysis." *BMC Public Health* 21(1): 1-15.
7. De Groot H, Tessema M, Gameda S, and Gunaratna NS. (2021) "Soil zinc, serum zinc, and the potential for agronomic biofortification to reduce human zinc deficiency in Ethiopia." *Scientific Reports* 11 (1): 1-11.
8. Ambikapathi R, Shively G, Leyna G, Mosha D, Mangana A, Patil C, Bonczyk M, Froese S, Edwards C, Kazonda P, Mwanyika-Sando M, Killewo J, and Gunaratna NS. (2021) "Informal food environment is associated with household vegetable purchase patterns and dietary intake in the DECIDE study: Empirical evidence from food vendor mapping in peri-urban Dar es Salaam, Tanzania." *Global Food Security* 28: 100474.
9. Tessema M, De Groot H, Brouwer ID, De Boevre M, Vidal A, Stoecker BJ, Feskens EJM, Belachew T, Karakitsou A, and Gunaratna NS. (2021) "Exposure to aflatoxins and fumonisins and linear growth of children in rural Ethiopia: A longitudinal study." *Public Health Nutrition* 24(12): 3662-3673.
10. Ambikapathi R, Passarelli S, Madzorera I, Canavan CR, Noor RA, Abdelmenan S, Tewahido D, Worku Tadesse A, Sibanda L, Sibanda S, Munthali B, Madzivhandila T, Berhane Y, Fawzi W, and Gunaratna NS. (2021) "Men's nutrition knowledge is important for women's and children's nutrition in Ethiopia." *Maternal and Child Nutrition* 17(1): e13062.
11. Donato K, McConnell M, Han D, Gunaratna NS, Tessema M, De Groot H, and Cohen J. (2020) "Behavioral insights to support increased consumption of quality protein maize by young children: a cluster randomized experiment in Ethiopia." *BMJ Global Health* 5: e002705.
12. Passarelli S, Ambikapathi R, Gunaratna NS, Madzorera I, Canavan CR, Noor AR, Worku A, Berhane Y, Abdelmenan S, Sibanda S, Munthali B, Madzivhandila T, Sibanda LM, Geremew K, Dessie T, Abegaz S, Assefa G, Sudfeld C, McConnell M, Davison K, Fawzi W. (2020) "A chicken production intervention and additional nutrition behavior change component increased child growth in Ethiopia: A cluster-randomized trial." *The Journal of Nutrition* 150(10): 2806-2817.
13. Palacios-Rojas N, McCulley L, Kaeppler M, Titcomb TJ, Gunaratna NS, Lopez-Ridaura S, Tanumihardjo SA. (2020) "Mining maize diversity and improving its nutritional aspects within agro-food systems." *Comprehensive Reviews in Food Science and Food Safety*: 1-26.

14. Tanumihardjo SA, McCulley L, Roh R, Lopez-Ridaura S, Palacios-Rojas N, and Gunaratna NS. (2020) "Maize agro-food systems to ensure food and nutrition security in reference to the Sustainable Development Goals." *Global Food Security*: 100327.
15. Abioye AI, Aboud S, Premji Z, Etheredge AJ, Gunaratna NS, Sudfeld CR, Noor RA, Hertzmark E, Spiegelman D, Duggan C, and Fawzi W. (2020) "Hemoglobin and hepcidin have good validity and utility for diagnosing iron deficiency anemia among pregnant women." *European Journal of Clinical Nutrition* ([online](#)).
16. Ambikapathi R, Gunaratna NS, Madzorera I, Passarelli S, Canavan CR, Noor RA, Madzivhandila T, Sibanda S, Abdelmenan S, Tadesse AW, Berhane Y, Sibanda LM, and Fawzi WW. (2019) "Market food diversity mitigates the effect of environment on women's dietary diversity in the Agriculture to Nutrition (ATONU) study, Ethiopia." *Public Health Nutrition* 22(11): 2110-2119.
17. Tessema M, De Groote H, Brouwer ID, Feskens EJM, Belachew T, Zerfu D, Belay A, Demelash Y, and Gunaratna NS. (2019) "Soil Zinc is Associated with Serum Zinc but Not with Linear Growth of Children in Ethiopia." *Nutrients* 11(2): 221.
18. Gunaratna NS, Moges D, and De Groote H. (2019) "Biofortified Maize Can Improve Quality Protein Intakes among Young Children in Southern Ethiopia." *Nutrients* 11(1): 192.
19. Tessema M, Gunaratna NS, Brouwer I, Donato K, Cohen J, McConnell M, Belachew T, Belayneh D, and De Groote H. (2018) "Associations among High-Quality Protein and Energy Intake, Serum Transferrin, Serum Amino Acids and Linear Growth of Children in Ethiopia." *Nutrients* 10(11): 1776.
20. Passarelli S, Canavan CR, Paarlberg R, Juma C, Akyeampong E, Fekadu H, Golden CD, Gunaratna NS, Jaacks LM, Kennedy E, Madzorera I, McCann J, Nwanze K, Sauerborn R, Tang L, Webb P, Willett WC, and Fawzi WW. (2018) "Harnessing university strengths in multi-sectoral collaborations for planetary health." *Current Developments in Nutrition* 2(12): nzy063.
21. Noor RA, Abioye AI, Ulenga N, Msham S, Kaishozi G, Gunaratna NS, Mwiru R, Smith E, Dhillon CN, Spiegelman D, and Fawzi W. (2017) "Large-scale wheat flour folic acid fortification program increases plasma folate levels among women of reproductive age in urban Tanzania." *PLOS ONE* 12(8): e0182099.
22. Darling AM, Mugusi FM, Etheredge AJ, Gunaratna NS, Abioye AI, Aboud S, Duggan C, Mongi R, Spiegelman DL, Roberts D, Hamer DH, Kain KC, and Fawzi WW. (2017) "Vitamin A and zinc supplementation among pregnant women to prevent placental malaria: A randomized, double-blind, placebo-controlled trial in Tanzania." *American Journal of Tropical Medicine and Hygiene* 96:826-834.
23. Sudfeld CR, Kaaya S, Gunaratna NS, Mugusi F, Fawzi WW, Aboud S, and Smith Fawzi MC. (2017) "Depression at antiretroviral therapy initiation and clinical outcomes among a cohort of Tanzanian women living with HIV." *AIDS* 31:263-271.

24. De Groote H, Gunaratna NS, Fisher M, Kebebe EG, Mmbando F, and Friesen D. (2016) "The effectiveness of extension strategies for increasing the adoption of biofortified crops: The case of quality protein maize in East Africa." *Food Security* 8:1101-1121.
25. Gunaratna NS, Bosha T, Belayneh D, Fekadu T, and De Groote H. (2016) "Women's and children's acceptance of biofortified quality protein maize for complementary feeding in rural Ethiopia." *Journal of the Science of Food and Agriculture* 96:3439-3445.
26. Tessema M, Gunaratna NS, Donato K, Cohen JL, McConnell M, Belayneh D, Brouwer ID, Belachew T, and De Groote H. (2016) "Translating the impact of quality protein maize into improved nutritional status for Ethiopian children: Study protocol for a randomized controlled trial." *BMC Nutrition* 2:1-13.
27. Abioye AI, Aboud S, Premji Z, Etheredge AJ, Gunaratna NS, Sudfeld CR, Mongi R, Meloney L, Darling AM, Noor RA, Spiegelman D, Duggan C, and Fawzi W. (2016) "Iron supplementation affects hematologic biomarker concentrations and pregnancy outcomes among iron-deficient Tanzanian women." *The Journal of Nutrition* 146:1162-1171.
28. O'Brien C, Gunaratna NS, Gebreselassie K, Gitonga ZM, Tsegaye M, and De Groote H. (2016) "Gender as a cross-cutting issue in food security: The NuME Project and quality protein maize in Ethiopia." *World Medical and Health Policy* 8:263-286.
29. Etheredge AJ, Premji Z, Gunaratna NS, Abioye AI, Aboud S, Duggan C, Mongi R, Meloney L, Spiegelman D, Roberts D, Hamer DH, and Fawzi WW. (2015) "Iron supplementation in iron-replete and nonanemic pregnant women in Tanzania: A randomized clinical trial." *JAMA Pediatrics* 169:947-955.
30. Gunaratna NS, Masanja H, Mrema S, Levira F, Spiegelman D, Hertzmark E, Saronga N, Irema K, Shuma M, Elisaria E, and Fawzi W. (2015) "Multivitamin and iron supplementation to prevent periconceptional anemia in rural Tanzanian women: A randomized, controlled trial." *PLOS ONE* 10:e0121552.
31. De Groote H, Chege CK, Tomlins K, and Gunaratna NS. (2014) "Combining experimental auctions with a modified home-use test to assess rural consumers' acceptance of quality protein maize, a biofortified crop." *Food Quality and Preference* 38:1-13.
32. De Groote H, Gunaratna NS, Okuro JO, Wondimu A, Chege CK, and Tomlins K. (2014) "Consumer acceptance of quality protein maize (QPM) in East Africa." *Journal of the Science of Food and Agriculture* 94:3201-3212.
33. Gunaratna NS. (2014) "Comment on: A nationally representative economic survey five months after the Haitian earthquake: Radical changes in household members and gender discrepancy in employment retention by R.S. Kim, J.D. Ashley and M.E. Corcoran." *Statistical Journal of the International Association for Official Statistics* 30:347-348.
34. Cheong JMK, Gunaratna NS, McCabe GP, Jackson GS, Kempa-Steczko A, and Weaver CM. (2011) "Bone seeking labels as markers for bone turnover: Validation of urinary excretion in rats." *Osteoporosis International* 22(1): 153-157.

35. Akalu G, Taffesse S, Gunaratna NS, and De Groote H. (2010) "The effectiveness of quality protein maize in improving the nutritional status of young children in the Ethiopian Highlands." *Food and Nutrition Bulletin* 31(3): 418-430.
36. Gunaratna NS, De Groote H, Nestel P, Pixley KV, and McCabe GP. (2010) "A meta-analysis of community-based studies on quality protein maize." *Food Policy* 35(3): 202–210.
37. Cheong JMK, Gunaratna NS, McCabe GP, Jackson GS, and Weaver CM. (2009) "Bone seeking labels as markers for bone turnover: Effect of dosing schedule on labeling various bone sites in rats." *Calcified Tissue International* 85(5): 444-450.
38. Knoll J, Gunaratna N, and Ejeta G. (2008) "QTL analysis of early-season cold tolerance in sorghum." *Theoretical and Applied Genetics* 116: 577-587.
39. Gunaratna NS, Johnson CA, and Stevens JR. (2007) "Service learning for graduate students through a student-run consulting program." *Journal of Statistics Education* 15 (2) [online].
40. Krivanek AF, De Groote H, Gunaratna NS, Diallo AO, and Friesen D. (2007) "Breeding and disseminating quality protein maize (QPM) for Africa." *African Journal of Biotechnology* 6 (4): 312-324.
41. Blatchley III ER, Shen C, Naunovic Z, Lin L-S, Lyn DA, Robinson JP, Ragheb K, Grégori G, Bergstrom DE, Fang S, Guan Y, Jennings K, and Gunaratna N. (2006) "Dyed microspheres for quantification of UV dose distributions: Photochemical reactor characterization by Lagrangian actinometry." *Journal of Environmental Engineering* 132 (11): 1390-1403.
42. Gunaratna NS, Olbricht GR, Lipka AE, Watkins AE, and Yoshida PY. (2006) "Serving the community through discipline-specific consulting." *Journal of Higher Education Outreach and Engagement* 11 (4): 99-108.
43. Carvalho CHS, Zehr UB, Gunaratna N, Anderson J, Kononowicz HH, Hodges TK, and Axtell JD. (2004) "Agrobacterium-mediated transformation of sorghum: Factors that affect transformation efficiency." *Genetics and Molecular Biology* 27 (2): 259-269.

PROCEEDINGS AND ARTICLES

Gunaratna NS. (2022) "The Influence of Faculty Background on Preparing for Promotion and Tenure." Susan Bulkeley Butler Center for Leadership Excellence and ADVANCE Purdue Center for Faculty Success Working Paper Series 5(1): 42-45.

Galvin L, Gunaratna NS, and Ambikapathi R. (2022) "Opinion: Engage dads in nutrition and parenting for better child outcomes." Devex, published online March 15, 2022.

Gunaratna NS and Tractenberg RE. (2016) "Ethical reasoning with the 2016 revised ASA Ethical Guidelines for Statistical Practice." *Joint Statistical Meetings Proceedings*, American Statistical Association (ASA): 3763-3787.

Shapiro G and Condon K. (2016) "Conversation with Nilupa Gunaratna." *Statistical Journal of the International Association for Official Statistics* 32: 429-432.

Gunaratna NS and Shapiro G. (2014) "Statistics Without Borders: Providing pro bono statistical consulting globally." *Joint Statistical Meetings Proceedings*, American Statistical Association (ASA): 3088-3091.

Gunaratna NS, De Groote H, and McCabe GP. (2008) Evaluating the impact of biofortification: A meta-analysis of community-level studies on quality protein maize (QPM). *Proceedings of the 12th Congress of the European Association of Agricultural Economists*, European Association of Agricultural Economists (EAAE).

Gunaratna NS, McCabe GP, and De Groote H. (2007) "A simulation-based method for evaluating potential impact of biofortified crops." *African Crop Science Conference Proceedings* 8: 241-244.

Olbricht GR, Gunaratna NS, and Ochsensfeld CA. (2007) "STATCOM plays role in community, JSM." *Amstat News* 360: 11-12.

Gunaratna NS, Lipka AE, Olbricht GR, and Yoshida PY. (2006) "Service-oriented statistics: What can students do?" *Amstat News* 348: 7-8.

Gunaratna NS. (2006) "Students serve community through STATCOM." (Cover article) *Amstat News* 344: 4-5.

Pixley KV, Beck D, Palacios Rojas N, Gunaratna NS, Guimaraes PE, Menkir A, White W, Nestel P, and Rocheford T. (2005) "Opportunities and strategies for biofortified maize." *Proceedings of the 9th Asian Regional Maize Workshop*, Beijing, China, September 5-9, 2005.

SELECTED OTHER PUBLICATIONS

Sixteen (16) statistical consulting reports to international organizations active in Sub-Saharan Africa and to state and local government bodies and private businesses in the state of Indiana (2003-2014)

Statistics Without Borders Blog (2014-2016)

INVITED PRESENTATIONS

International

1. Gunaratna NS and Ambikapathi R. (2019) "The Double Burden of Malnutrition: Implications for an UNSA Center for Food Security." Forum for Sustainable Food Security, Universidad Nacional de San Agustín, Arequipa, Peru, June 19, 2019.
2. Gameda S, Kim HK, De Groote H, Bekele I, Birhanu Atomsa T, and Gunaratna NS. (2016) "Addressing Human Zinc Deficiency through Agricultural Innovations in Ethiopia." National dissemination event on "Nutrition-sensitive agriculture: The role of zinc and agronomic biofortification to improve nutrition in Ethiopia," Addis Ababa, Ethiopia, November 30, 2016.
3. De Groote H, Gunaratna NS, Van de Walle A, and Tessema M. (2016) "Potential Impact of Agronomic Biofortification with Zinc on Human Health in Ethiopia." National dissemination event on "Nutrition-

sensitive agriculture: The role of zinc and agronomic biofortification to improve nutrition in Ethiopia,” Addis Ababa, Ethiopia, November 30, 2016.

4. Gunaratna NS and Shankar A. (2016) “Addressing human zinc deficiency through agriculture innovations in Ethiopia.” Invited Symposium on “Addressing Human Zinc Deficiency through Agriculture Innovations in Ethiopia,” 5th Conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, September 23-26, 2016.
5. Kim HK, De Groote H, Gameda S, Belayneh D, and Gunaratna NS. (2016) “Agronomic studies and cost-effectiveness of agronomic biofortification in Ethiopia.” Invited Symposium on “Addressing Human Zinc Deficiency through Agriculture Innovations in Ethiopia,” 5th Conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, September 23-26, 2016.
6. De Groote H, Van de Walle A, and Gunaratna NS. (2016) “Potential impact of agronomic biofortification with zinc on human health in Ethiopia.” Invited Symposium on “Addressing Human Zinc Deficiency through Agriculture Innovations in Ethiopia,” 5th Conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, September 23-26, 2016.
7. Gunaratna NS. (2008) “Quality protein maize: Implications of current research.” Invited symposium on “Recent Advances in Amino Acid Research”, 3rd Africa Nutritional Epidemiology Conference, Cairo, Egypt, October 13-16, 2008.

National

1. Gunaratna NS. (2021) “The Right to Food and Equity in Global Health Practice.” Global Development, Global Justice: Leading, Engaging, and Doing Research. Courageous Conversations Series, Susan Bulkeley Butler Center for Leadership Excellence and Purdue Policy Research Institute, Discovery Park, West Lafayette, IN, October 20, 2021.
2. Gunaratna NS. (2021) “Panel: Preparing for Promotion/Tenure: Top Tips.” Institutional Resources to Soar to Promotion: 12th Annual Conference for Assistant Professors, Susan Bulkeley Butler Center for Leadership Excellence, Purdue University, West Lafayette, IN, October 14, 2021.
3. Gunaratna NS and Ruiz Y. (2021) “Graduate student health, basic needs, and success at Purdue: Challenges, disparities, and the way forward.” Department of Public Health Seminar Series, Purdue University, West Lafayette, IN, March 26, 2021.
4. Gunaratna NS. (2019) “Engaging Fathers for Effective Child Nutrition and Development in Tanzania (EFFECTS).” Department of Human Development and Family Studies Fall Colloquium, Purdue University, West Lafayette, IN, November 1, 2019.
5. Gunaratna NS. (2019) “Breaking Barriers for Women and Children in Developing Countries.” Breaking Barriers: Improving Access to Health Services for Women and Children in Indiana, Purdue University, West Lafayette, IN, April 22, 2019.
6. Gunaratna NS. (2019) “Leveraging Agriculture to Improve Diets, Nutrition, and Health.” Ending Global Hunger Colloquium, Purdue University, West Lafayette, IN, April 10-11, 2019.

7. Gunaratna NS. (2018) "Improving Diets in Rural Ethiopia: Are Chickens the Answer?" Nutrition and Global Health Seminar Series, Harvard T.H. Chan School of Public Health, Harvard University, September 10, 2018.
8. Gunaratna NS. (2018) "Safety and Efficacy of Iron Supplements during Pregnancy in Malaria-endemic Regions: An Example of the Role of Statisticians in Global Public Health." Invited Colloquium, Department of Mathematics, Statistics, and Actuarial Science, Butler University, February 9, 2018.
9. Gunaratna NS. (2017) "Food Systems, Diet, and Nutrition: State of the Evidence," Invited Panel on Food Systems, Diet, and Nutrition, Conference on Agriculture, Nutrition, Health, and the Environment in Africa, Harvard T.H. Chan School of Public Health and Harvard Kennedy School, November 6-7, 2017.
10. Gunaratna NS. (2016) "Statistics for the social good: Contributing globally and locally." Invited presentation, Lecture Series: Conversations about Diversity in STEM Education, Department of Mathematics, Bowdoin College, Brunswick, ME, February 2, 2016.
11. Gunaratna NS. (2016) "The role of statistics in global development." Invited presentation, Department of Mathematics, Bowdoin College, Brunswick, ME, February 1, 2016.
12. Gunaratna NS. (2011) "Pro bono statistics organizations in the United States." Invited panel session on "Effective global statistical capacity with organic leadership", Joint Statistical Meetings, Miami Beach, Florida, July 30-August 4, 2011.
13. Gunaratna NS. (2009) "Pro bono statistical consulting: The continuing benefits of student experience." Invited panel session on "The pros of pro bono statistical consulting", Joint Statistical Meetings, Washington, D.C., August 1-6, 2009.

CONFERENCE PRESENTATIONS AND DISSEMINATION EVENTS (Since 2007)

1. Matangi ES, Boncyk MA, and Gunaratna NS. (2022) "Learning by doing: A case study on graduate students' experience in survey methodology." To be presented at the Joint Statistical Meetings 2022, August 6-11, 2022.
2. Gunaratna NS, Powers MQ, Boncyk M, and Ambikapathi R. (2022) "Methodological limitations of pandemic data collection: Where do we go from here?" Agriculture, Nutrition and Health (ANH) Academy Week 2022, June 20-30, 2022.
3. EFFECTS Study Investigators. (2022) "Do engaging fathers and bundling nutrition and parenting interventions improve young child diets and development and promote gender equality?" Webinar hosted by Global Communities, March 22, 2022.
4. Matangi ES, Boncyk M, Froese SL, Verissimo CK, Ruiz Y, Ambikapathi R, Ghosh S, Heniff L, and Gunaratna NS. (2021) "Do Demographics, Basic Needs Security, or Health Affect Online Survey Participation During the COVID-19 Pandemic?" Taylor University Science Seminar, November 22, 2021.

5. Froese SL, Gunaratna NS, Kimenju S, DeGroot H, and Ambikapathi R. "Food Systems in Kenya: Gaps and Opportunities for Optimal Nutrition and Health Outcomes." Joint FERN2021 / INFORMAS eSymposium Series 2021 Africa, November 10, 2021.
6. Bonczyk M, Kimenju S, Ambikapathi R, Patil CL, De Groot H, Omondi W, and Gunaratna NS. (2021) "Impact of the Covid-19 pandemic on food availability, prices, and consumption in rural Kenya: Variations due to agroecological zone, market access, and gender." Joint FERN2021 / INFORMAS eSymposium Series 2021 Africa, November 10, 2021.
7. Verissimo CK, Ambikapathi R, Galvin L, Froese SL, Patil C, Bonczyk M, Ghosh S, Kumaliya E, Mosha D, Jeong J, Kieffer MP, Mwanyika-Sando M, Yousafzai AK, Praygod G, and Gunaratna NS. (2021) "Gendered home food environments are central to children's dietary diversity in rural Tanzania." Joint FERN2021 / INFORMAS eSymposium Series 2021 Africa, November 10, 2021.
8. Ambikapathi R*, Bonczyk M*, Gunaratna NS, Kanani J, Heniff L, Fawzi W, Leyna G, Killewo J, Kadiyala S, and Patil C. (2021) "Expanding the food environment framework to include family in the context of living with HIV: A qualitative evidence synthesis." Joint FERN2021 / INFORMAS eSymposium Series 2021 Asia & the Pacific, October 27, 2021. (*contributed equally to this study)
9. Matangi ES, Bonczyk M, Froese SL, Verissimo CK, Ruiz Y, Ambikapathi R, Ghosh S, Heniff L, Gunaratna NS (2021). "Do demographics, basic needs security, or health affect online survey participation during the COVID-19 pandemic?" Joint Statistical Meetings 2021, August 7-12, 2021.
10. Gunaratna NS, Bonczyk M, Ambikapathi R, Patil CL, De Groot H, Omondi W, Kinoti L, and Kimenju S. "Impact of the COVID-19 Pandemic Response on Food Systems, Health Services, and Health-Seeking Behavior: Results from Phone-based Focus Group Discussions in Rural Kenya." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.
11. Ambikapathi R, Vadrevu LS, Gunaratna NS, and Ghosh U. "Effect of climate change events and distress diversification on household food security and children's diets among agricultural and non-agricultural households in Sundarbans, India." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.
12. Heniff L, Bonczyk M, Ambikapathi R, Verissimo CK, Froese SL, Ruiz Y, Ghosh S, Matangi ES, and Gunaratna NS. "I was working out daily prior to COVID': Impact of the COVID-19 Pandemic on the Physical Health of Purdue Graduate Students." Purdue Undergraduate Research Conference, West Lafayette, IN, April 2021.
13. Jeong J, Hentschel E, Mosha D, Ambikapathi R, Gunaratna NS, Sando M, Galvin L, Kieffer MP, Praygod G, and Yousafzai A. (2020) "Fathers' parenting predicts early child development outcomes in Tanzania." Oral presentation accepted for Connecting Worlds: Studying Child Development in Low Resource Contexts, November 9-10, 2020.
14. Jeong J, Hentschel E, Mosha D, Ambikapathi R, Gunaratna NS, Sando M, Galvin L, Kieffer MP, Praygod G, and Yousafzai A. (2020) "Measuring early father-child interactions: Assessing the reliability and validity of an observational tool in Tanzania." Oral presentation accepted for Connecting Worlds: Studying Child Development in Low Resource Contexts, November 9-10, 2020.

15. Matangi ES, McCabe GP, Madzivhandila T, Gwelo FA, Munthali BL, Sibanda S, Fawzi W, and Gunaratna NS. (2020) "Process-driven metrics and process evaluation of bundled interventions: The Agriculture to Nutrition (ATONU) trial." 2020 Joint Statistical Meetings, August 1-6, 2020.
16. Ambikapathi R, Shively G, Leyna G, Mosha D, Mangana A, Patil C, Boncyk M, Froese S, Edwards C, Kazonda P, Killewo J, Mwanyika-Sando M, and Gunaratna NS. (2020) "How does the food environment influence household food purchase patterns and nutritional status? Empirical evidence from food vendor mapping in peri-urban Dar es Salaam, Tanzania." Agriculture, Nutrition and Health (ANH) Academy Week 2020, June 29-July 3, 2020.
17. Froese S, Ambikapathi R, Mosha D, Edwards C, Boncyk M, Galvin L, Kumalija E, Mapendo F, Evarist R, Lyatuu I, Kieffer MP, Mwanyika-Sando M, Jeong J, Yousafzai A, Praygod G, and Gunaratna NS. (2020) "Market Food Diversity and Access Drive Household Food Purchase Patterns and Diets in Rural Tanzania: The EFFECTS Study." Agriculture, Nutrition and Health (ANH) Academy Week 2020, June 29-July 3, 2020.
18. Lackings B, Shemdoe A, Mosha D, Boncyk M, Froese S, Edwards C, Mwanyika-Sando M, Killewo JZ, Leyna GH, Patil CL, Gunaratna NS, and Ambikapathi R. (2020) "I have doubts: Adult Perspectives on Food Safety in Peri-Urban Tanzania." Agriculture, Nutrition and Health (ANH) Academy Week 2020, June 29-July 3, 2020.
19. Gunaratna NS. (2019) "Evaluation of Chicken Intensification and Nutrition-Sensitive Social and Behavior Change Interventions in Ethiopia: A Cluster-Randomized Controlled Trial." 4th Annual Agriculture, Nutrition and Health (ANH) Academy Week, Hyderabad, India, June 24-28, 2019.
20. Tessema M, De Groot H, Gunaratna NS, Stoecker BJ, De Boevre M, Feskens EJM, Belachew T, and Brouwer ID. (2019) "Biomarkers of aflatoxin exposure, diet, climate and children's growth in rural Ethiopia." 4th Annual Agriculture, Nutrition and Health (ANH) Academy Week, Hyderabad, India, June 24-28, 2019.
21. Tessema M, Gunaratna NS, Stoecker BJ, De Boevre M, De Groot H, Feskens E, Belachew T, and Brouwer ID. (2018) "Biomarkers of Aflatoxin Exposure and Children's Growth in Rural Ethiopia." Eighth Africa Nutritional Epidemiology Conference (ANEC VIII 2018), Addis Ababa, Ethiopia, October 1-5, 2018.
22. Gunaratna NS. (2018) "Engaging Fathers for Effective Child Nutrition & Development in Tanzania (EFFECTS): Evaluation." Engaging Fathers for Effective Child Nutrition and Development in Tanzania Study (EFFECTS) Stakeholder Workshop, Musoma, Tanzania, September 25, 2018.
23. Gwelo F, Munthali B, Matangi E, Gunaratna NS, Sibanda S, and Madzivhandila T. (2018) "Agriculture to Nutrition (ATONU) – Promoting vegetable production for improved dietary diversity in Ethiopia and Tanzania." Third Annual Agriculture, Nutrition and Health (ANH) Academy Week, Accra, Ghana, June 25-29, 2018.
24. Tessema M, De Groot H, Brouwer ID, Feskens E, and Gunaratna NS. "Associations Among Soil Zinc, Serum Zinc, and Linear Growth of Children in Ethiopia." Nutrition 2018, Boston, MA, June 9-12, 2018.

25. Gunaratna NS, Moges D, and De Groote H. (2018) "Potential for Biofortified Maize to Improve Quality Protein Intakes among Young Rural Ethiopian Children." Nutrition 2018, Boston, MA, June 9-12, 2018.
26. Gunaratna NS. (2017) "Agriculture to Nutrition (ATONU) - Evaluation of Integrated Agriculture and Nutrition Sensitive Interventions for a Poultry Program in Ethiopia: Baseline Results." Food, Agriculture, and Natural Resources Policy Analysis Network (FANRPAN) Webinar, August 24, 2017.
27. De Groote H, Gunaratna N, Tessema M, Donato K, Belayneh D, McConnell M, and Cohen J. (2017) "Translating Adoption of Biofortified Varieties into Nutritional Impact - Quality Protein Maize in Ethiopia." 2017 East Africa Evidence Summit, Addis Ababa, Ethiopia, July 17-19, 2017.
28. Ambikapathi R, Gunaratna N, Madzorera I, Passarelli S, Canavan C, Noor A, Madzivhandila T, Sibanda S, Abdelmenan S, Worku A, Berhane Y, Sibanda LM, and Fawzi W. "Agriculture to Nutrition-ATONU: Market availability modifies home production diversity's effects on dietary diversity among women in Ethiopia." Agriculture, Nutrition, Health Scientific Symposium and Academy Week, Kathmandu, Nepal, July 9-13, 2017.
29. Gunaratna NS and ATONU-Ethiopia Team. (2017) "Agriculture to Nutrition (ATONU) - Evaluation of Integrated Agriculture and Nutrition Sensitive Interventions for the ACGG Program in Ethiopia: Baseline Results." Agriculture, Nutrition, Health Scientific Symposium and Academy Week, Kathmandu, Nepal, July 9-13, 2017.
30. Gunaratna NS and ATONU-Ethiopia Team. (2017) "Agriculture to Nutrition (ATONU) - Exploring Poultry-WASH-Nutrition Pathways in Ethiopia through Multiple Methodologies." Agriculture, Nutrition, Health Scientific Symposium and Academy Week, Kathmandu, Nepal, July 9-13, 2017.
31. Noor RA, Abioye AI, Mshamu S, Kaishozi G, Gunaratna NS, Smith E, Dhillon C, Spiegelman D, and Fawzi W. (2016) "Folic acid fortification of wheat flour increases folate levels among women of reproductive age in Tanzania." Micronutrient Forum Global Conference, Cancun, Mexico, October 24-28, 2016.
32. Diro S, De Groote H, and Gunaratna NS. (2016) "Effect of nutritional information and sensory quality on the willingness to pay for quality protein maize - results of a field experiment in Jimma zone, Ethiopia." 5th Conference of the African Association of Agricultural Economics (AAAE), Addis Ababa, Ethiopia, September 23-26, 2016.
33. Gunaratna NS. (2016) "Ethical considerations in pro bono statistics." Joint Statistical Meetings, Chicago, IL, July 30-August 4, 2016.
34. Chun AY, Gunaratna NS, Fisher J, and Shapiro G. (2015) "Statistics Without Borders: Can survey methods be agile enough to help resolve humanitarian emergencies?" 6th Conference of the European Survey Research Association (ESRA), Reykjavik, Iceland, July 13-17, 2015.
35. Tongruksawattana S, Wainaina P, Gunaratna NS, and De Groote H. (2015) "Climate shocks and risk attitudes among female and male maize farmers in Kenya." 3rd Global Science Conference on Climate-Smart Agriculture, Montpellier, France, March 16-18, 2015.

36. Gunaratna NS. (2014) "Pro Bono Statistics: Success and Sustainability." Joint Statistical Meetings, Boston, MA, August 2-7, 2014.
37. Gunaratna NS. (2014) "Quality protein maize and its nutritional benefits." National Stakeholder Consultation Workshop to Promote Utilization of Quality Protein Maize (QPM) in School and Refugee Feeding Programs, Hawassa, Ethiopia, June 10, 2014.
38. De Groote H, Tomlins K, Meenakshi VS, Kiria C, Morawetz U, and Gunaratna NS. (2012) "Experimental methods to analyze the preferences of rural consumers in developing countries." Organized Symposium on "Experimental Methods for Pro-poor Value Chain Development: Experiences from Developing Countries," 28th International Conference of Agricultural Economists (ICAE), Foz do Iguaçu, Brazil, August 18–24, 2012.
39. Suri D, Strutt NR, Ghosh S, and Gunaratna NS. (2011) "Modeling the potential of lysine biofortification of maize to improve protein quality and reduce risk of protein inadequacy in Sub-Saharan Africa." Experimental Biology, Washington, DC, April 9-13, 2011.
40. Ghosh S, Suri D, Gunaratna NS, and Uauy R. (2011) "Evaluation of world utilizable protein and lysine supply and estimation of prevalence of protein inadequacy." International Symposium on Dietary Protein for Human Health, Auckland, New Zealand, March 27-30, 2011.
41. Gunaratna NS, Suri D, and Ghosh S. (2010) "Risk of inadequate utilizable protein is prevalent in Sub-Saharan Africa and South Asia." II World Congress of Public Health Nutrition, Porto, Portugal, September 23-25, 2010.
42. De Groote H, Gunaratna NS, Ergano K, and Friesen D. (2010) "Extension and adoption of biofortified crops: Quality protein maize in East Africa." 3rd International Conference of the African Association of Agricultural Economists, Cape Town, South Africa, September 19-23, 2010.
43. Gunaratna NS, De Groote H, Ghosh SA, Mwabu D, Kebebe E, Lyimo S, Okuro Ouma J, and Birungi Kyazze F. (2008) "Geographical and seasonal patterns of household food insecurity in maize-growing areas of East Africa." 3rd Africa Nutritional Epidemiology Conference, Cairo, Egypt, October 13-16, 2008.
44. De Groote H, Gunaratna N, Andago A, Mwangi A, Mwabu D, Okuro Ouma J, Kebebe E, Lyimo S, Birungi Kyazze F, and Ghosh S. (2008) "Improvement of protein quality of diets in East Africa: The case for quality protein maize." 3rd Africa Nutritional Epidemiology Conference, Cairo, Egypt, October 13-16, 2008.
45. Okuro Ouma J, De Groote H, and Gunaratna NS. (2008) "Sensory evaluation of quality protein maize (QPM) in a traditional food, *githeri*, in the Central Highlands of Kenya." 3rd Africa Nutritional Epidemiology Conference, Cairo, Egypt, October 13-16, 2008.
46. Edusei AK, Asiedu MS, Sakyi-Dawson EO, Owusu WB, Gunaratna NS, and Haag WL. (2008) "Capacity of quality protein maize (QPM) to improve nutritional status, serum proteins, hemoglobin level and leukocyte (WBC) counts of malnourished preschool children." 3rd Africa Nutritional Epidemiology Conference, Cairo, Egypt, October 13-16, 2008.

47. Gunaratna NS, De Groote H, and McCabe GP. (2008) "Evaluating the impact of biofortification: A meta-analysis of community-level studies on quality protein maize (QPM)." 12th Congress of the European Association of Agricultural Economists, Ghent, Belgium, August 26-29, 2008.
48. Gunaratna NS and Gundlach E. (2008) "International examples for the introductory statistics course." Topic contributed panel session on "Spanning the globe: The intro stats course as a gateway to the rest of the world", Joint Statistical Meetings, Denver, CO, August 3-7, 2008.
49. Gunaratna NS. (2007) "Quality Protein Maize: Progress in Breeding, Dissemination, and Impact Assessment." Seminar, Agricultural Research Center (ARC), Egyptian Ministry of Agriculture and Land Reclamation, Cairo, Egypt, November 18, 2007.
50. Gunaratna NS, McCabe GP, and De Groote H. (2007) "A simulation-based method for evaluating potential impact of biofortified crops." 8th African Crop Science Society Conference, El-Minia, Egypt, October 27-31, 2007.
51. Gunaratna NS. (2007) "Impact Assessment of Quality Protein Maize: Research Progress and Needs." Quality Protein Maize (QPM) Stakeholders' Meeting, World Food Prize Symposium, Des Moines, IA, October 19, 2007.
52. Gunaratna NS and McCabe GP. (2007) "Evidence for Nutritional Benefits of Quality Protein Maize (QPM) at the Community Level." 2nd International Conference of the African Association of Agricultural Economists (AAAE), Accra, Ghana, August 20-22, 2007.
53. Gunaratna NS. (2007) "Evaluating the Nutritional Impact of Maize Varieties Genetically Improved for Protein Quality." Ph.D. Dissertation Seminar, Department of Statistics, Purdue University, West Lafayette, IN, April 10, 2007.
54. Gunaratna NS and McCabe GP. (2007) "Evaluating the nutritional impact of maize varieties genetically improved for protein quality." Graduate Student Organization (GSO) Seminar, Department of Statistics, Purdue University, West Lafayette, IN, February 26, 2007.

SELECTED POSTERS (Since 2007)

1. Froese SL, Boncyk M, Verissimo CK, Kanani J, Ambikapathi R, Shemdoe A, Kariathi V, Itatiro J, Patil C, AboAlsafa D, Mangara A, Leyna G, Mwanyika-Sando M, and Gunaratna NS. "I have to accept that situation as a challenge": A Mixed-Methods Assessment of Correlations between Food and Water Insecurity among People Living with HIV in Peri-urban Dar es Salaam, Tanzania." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.
2. Ambikapathi R, Shively G, Froese SL, Itatiro J, Boncyk M, Mangara A, Verissimo CK, Kariathi V, Wandella M, Mwanyika-Sando M, Patil C, Leyna G, and Gunaratna NS. "Urban food purchases, diets, and environment: Validation of a new food purchase pattern tool with dietary intake from the DECIDE study in peri-urban Tanzania." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.
3. Ambikapathi R, Shively G, Froese SL, Mangara A, Itatiro J, Verissimo CK, Boncyk M, Kariathi V, Leyna G, Masha D, Patil CL, and Gunaratna NS. "Within-day and between-day variation in urban food

environments in Dar es Salaam, Tanzania: Results from the DECIDE study." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.

4. Boncyk M, Froese SL, Ambikapathi R, Verissimo CK, Ruiz Y, Matangi ES, Fletcher CJ, AboAlsafa D, Heniff L, and Gunaratna NS. "Social Disparities and Food Environment Determinants of Food Insecurity among Graduate Students in the United States during the COVID-19 Pandemic." Nutrition 2021, June 7-10, 2021.
5. Itatiro JB, Ambikapathi R, Kariathi V, Patil CL, Gunaratna NS, Froese SL, Verissimo CK, Boncyk M, Wandella M, Leyna G. (2021) "Associations between Food Environment, Dietary Diversity, and Nutrient Intake among People Living with HIV in Dar es Salaam, Tanzania: Results from the DECIDE Study." Agriculture, Nutrition and Health (ANH) Academy Week 2021, June 22-July 2, 2021.
6. Gunaratna NS, Killewo J, Mosha D, Ambikapathi R, Boncyk M, Shemdoe A, Mangara A, Kazonda P, Lyatuu I, Froese S, Edwards C, Patil C, Mwanyika-Sando M, and Leyna G. "Vulnerability to the COVID-19 Pandemic and Mitigation Measures among People Living with HIV in Peri-Urban Tanzania." Agriculture, Nutrition and Health (ANH) Academy Week 2020, June 29-July 3, 2020.
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