

Brian Lindshield

Associate Professor
Kansas State University
Department of Food, Nutrition, Dietetics and Health
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PROFESSIONAL EXPERIENCE

Associate Professor, Kansas State University, Department of Food, Nutrition, Dietetics and Health, 2014-Present

Assistant Professor, Kansas State University, Department of Food, Nutrition, Dietetics and Health, 2008-2014

Graduate Research Assistant/Graduate Teaching Assistant, University of Illinois at Urbana-Champaign, 2003-2008

Undergraduate Research Assistant, Kansas State University, 2002-2003

EDUCATION

Doctor of Philosophy, Division of Nutritional Sciences, University of Illinois at Urbana-Champaign (UIUC), 2008.

Dissertation Title: "Lycopene, Selenium, Vitamin E and Prostate Cancer"

Dissertation Advisor: Professor John W. Erdman Jr.

Bachelor of Science in Human Nutrition, with honors, *summa cum laude*, Kansas State University, Manhattan, KS, 2003

Associate of Science, *summa cum laude*, Pratt Community College, Pratt, KS, 2001

TEACHING EXPERIENCE

Instructor, Kansas State University

Nutrition and the Health Professions CAT Community Connections Course (DHE 195), 2016-present

-First semester freshman connection course for a residential CAT community with students taking FNDH 132 and CHM 230 and living in the same residence hall complex.

Human Nutrition (FNDH 400), 2009-Present

-Intermediate undergraduate nutrition course taught on campus in spring and online in fall, spring, & summer.

Advanced Micronutrient Metabolism (FNDH 812 Team Taught), 2009-Present
 -Teach fat-soluble vitamins, calcium, phosphorous, & magnesium every other spring

Graduate Seminar in Food, Nutrition, Dietetics and Health (FNDH 880), 2010-Present
 -Teach graduate students presentation skills, every other fall semester

Undergraduate Nutritional Sciences Advisor, 2008-2016.
 -Advised department's pre-med, pre-dental major undergraduate students.

Nutrition and Cancer (FNDH 911), 2011
 -Graduate student discussion course on current topics in nutrition and cancer

Basic Nutrition (FNDH 132, Fall Semester Course Coordinator), 2009-2010
 -Introductory course taught by a GTA, involved in course design, assignment/exam production, & gave feedback to GTA on teaching observations.

Teaching Assistant, Nutritional Biochemistry II, UIUC, 2008
 -Presented selenium and vitamin E lectures, constructed and graded tests, assisted students with learning material

Teaching Assistant, Contemporary Nutrition, UIUC, 2007-2008
 -Responsible for handling grading program (Compass), student communication, student advisory committee, guest lecturer, and test question submission

Volunteer Teaching Assistant & Guest Lecturer, Nutritional Biochemistry II, UIUC, 2005-2007
 -Presented selenium and vitamin E lectures, assisted in test construction and grading

College of ACES Teaching College Graduate, UIUC, 2004
 -Program designed to train new faculty members and graduate students

Cadaver Dissection Team, Kansas State University, 2003
 -Responsible for teaching anatomy using cadavers

HONORS AND AWARDS

2016-2018 Open Educational Resource Research Fellow

-Chosen by the Open Education Group and funded by a grant from the Hewlett Foundation, was one of 21 from 67 applicants selected for this honor (<http://openedgroup.org/fellowship>). Fellows receive funding to attend two conferences (including the November 2016 Open Education Conference in Richmond, Virginia) and small stipends provided to those who successfully complete the program (total of approximately \$5,000). Fellows will receive mentoring in open educational resource (OER) research and guidance in identifying, researching, and writing specific OER projects. Selected applicants are expected to publish papers related to the educational outcomes that take place when OER are substituted for traditional learning materials.

Top 40 Most Cited Article 2011-2013, Nutrition and Cancer

- Ford, N.A., Elsen, A.C., Zuniga, K., **Lindshield, B.L.**, Erdman, J.W., Jr. Lycopene and apo-12'-lycopenal reduce cell proliferation and alter cell cycle progression in human prostate cancer cells. *Nutr Cancer*. 632: 256-263, 2011.

Academy for Student-Centered Learning Scholar, Kansas State University, 2013

Dannon Nutrition Leadership Institute, 2013

Top 5 Most Cited Article 2009-2011, Archives of Biochemistry and Biophysics

- Erdman, J.W., Ford, N.A., **Lindshield, B.L.** Are the health attributes of lycopene related to its antioxidant function? Arch Biochem Biophys, 483: 229-235, 2009.

2012 Study.com People's Choice Award Most Open Resource Finalist

-1 of 3 finalists

http://study.com/articles/Education-Portalcoms_Peoples_Choice_Award_Winner_Most_Open.html

2010 Outstanding Alumnus & Commencement Speaker, Pratt Community College, 2010

Peer Review of Teaching Program, Kansas State University, Spring 2010

Outstanding Faculty Member Award, Lambda Chi Alpha Fraternity, Spring 2010

Wakonse Fellow, 2009

Phi Kappa Phi Member, Inducted 2008

Graduate Student Research Presenter, Nutritional Sciences External Advisory Committee, Sept. 2007

Procter & Gamble Graduate Student Research Abstract Competition Finalist, American Society for Nutrition, 2007

- One of 12 graduate students in US & Canada selected

David H. Baker Nutrition Scholar Award, Division of Nutritional Sciences, UIUC, 2007

-Given to the most outstanding graduate student in Nutritional Sciences

Nutrition Symposium Oral Presentation Winner, Division of Nutritional Sciences, UIUC, 2007

Jonathon Baldwin Turner Fellow, UIUC, 2003-2005

Cancer Research Award, Kansas State University, 2003

NJCAA Distinguished Academic All-American, Pratt Community College, 2001

GRANTS AND CONTRACTS

Global Hunger and Food Security Research Strategy: Alliance for Food Security through Reduction of Post-Harvest Loss and Food Waste. PI Jagger Harvey. United States Agency for International Development. \$8,500,000. 2014-2018.

Role: Co-PI

Replacing Costly Textbooks: The Open/Alternative Textbook Initiative, Central Administration. \$50,000. 2014-2015.

Role: Multiple PI

Replacing Costly Textbooks: The Open/Alternative Textbook Initiative Renewal, Student Centered-Tuition Enhancement. \$30,000. 2014-2015.

Role: Multiple PI, K-State libraries also contributed \$10,000 to the initiative, thus the total amount of funds available is \$40,000.

HN 812: Advanced Micronutrient Metabolism, Global Campus, \$4,000. 2013.

Role: Multiple-PI, George Wang was the PI for this grant to make this multiple instructor course available online.

Replacing Costly Textbooks: The Open/Alternative Textbook Initiative, Student Centered-Tuition Enhancement. \$50,000. 2013-2014.

Role: Multiple PI, K-State libraries also contributed \$10,000 to the initiative, thus the total amount of funds available is \$60,000.

BioTek Synergy Multifunction HT Plate Reader Equipment Grant, Terry C. Johnson Center for Basic Cancer Research. \$11,000. 2012.

Role: PI, requested along with other department faculty members. This grant matches funds available from Dr. Tona Melgerajo's grant so that the department could purchase an instrument with greater functionality.

Novel Sorghum-based Fortified Blended Foods for Infants and Young Children. McGovern-Dole International Food for Education and Child Nutrition Program, Micronutrient Fortified Food Aid Products Pilot (MFFAPP) United States Department of Agriculture (USDA) Foreign Agriculture Service (FAS). 5,039,856. 2012-2016.

Role: Multiple PI

5 α -reductase inhibitors for reduction of prostate epithelial cell growth. National Institute of Health Center of Biomedical Research Excellence (COBRE), Epithelial function in health and disease \$189,000. 2009-2012.

Role: PI

5 α -reductase inhibitors for the reduction of prostate tumor growth. Terry C. Johnson Center for Basic Cancer Research. \$25,850. 2009-2010.

Role: PI

PEER-REVIEWED JOURNAL ARTICLES

Delimont NM, Fiorentino NM, Kimmel KA, Haub MD, Rosenkranz SK, **Lindshield BL**. Long-term, multiple daily-condensed tannin supplementation in increasing concentrations does not affect iron status or bioavailability: results from the Tannin-dose response trial. *Curr Dev Nutr*. 1(10): 2017 doi: <https://doi.org/10.3945/cdn.117.001081>

Delimont NM, Rosenkranz SR, Haub M, **Lindshield BL**. Salivary Proline-Rich Proteins May Reduce Tannin-Iron Chelation: A Systematic Narrative Review. *Nutr Metab*. 14(47): 2017. <https://doi.org/10.1186/s12986-017-0197-z>.
<https://nutritionandmetabolism.biomedcentral.com/articles/10.1186/s12986-017-0197-z>

Opoku-Acheampong AB, Henningson JN, **Lindshield BL**. The Impact of Finasteride and Dutasteride Treatments on Proliferation, Androgen Receptor, Apoptosis, 5 α -Reductase 1 and 5 α -reductase 2 in TRAMP Mouse Prostates. *Heliyon*. 3(7): 2017. <https://doi.org/10.1016/j.heliyon.2017.e00360>.
<http://www.sciencedirect.com/science/article/pii/S2405844016325063>

Lashley J, Cummings-Saul R, Bennett A, **Lindshield BL**. Cultivating Textbook Alternatives From the Ground Up: One Public University's Sustainable Model for Open and Alternative Educational Resource Proliferation. *Int Rev Res Open Distributed Learn*. 18(4): 2017. <http://dx.doi.org/10.19173/irrodl.v18i4.3010>. <http://www.irrodl.org/index.php/irrodl/article/view/3010>

Delimont NM, Chanadang S, Joseph MV, Rockler BE, Guo Q, Regier GK, Mulford MR, Kayanda R, Range M, Mziray Z, Ambaksye J, Mugyabuso J, Msuya W, Lilja NK, Procter SB, Chambers IV E, Alavi S, **Lindshield BL**. The MFFAPP Tanzania efficacy study protocol: newly formulated, extruded fortified-blended foods for food aid. *Curr Dev Nutr*. 1(5): 2017. doi: <https://doi.org/10.3945/cdn.116.000315>. <http://cdn.nutrition.org/content/1/5/e000315>

Opoku-Acheampong AB, Henningson JN, **Lindshield BL**. 5 α -reductase 1 mRNA levels are positively correlated with TRAMP mouse prostate most severe lesion scores. *PLOS ONE*. 12(5): e0175874, 2017 <https://doi.org/10.1371/journal.pone.0175874>.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0175874>

Delimont NM, Fiorentino NM, Opoku-Acheampong AB, Joseph MV, Guo Q, Alavi S, **Lindshield BL**. Newly formulated, extruded sorghum, cowpea, corn, and soy containing fortified-blended foods lead to adequate vitamin A, iron outcomes and improved growth compared with CSB+ in rats. *J Nutr Sci*. 6: e18, 2017 doi:10.1017/jns.2017.15.
<https://www.cambridge.org/core/journals/journal-of-nutritional-science/article/newly-formulated-protein-quality-enhanced-extruded-sorghum-cowpea-corn-soya-sugar-and-oil-containing-fortified-blended-foods-lead-to-adequate-vitamin-a-and-iron-outcomes-and-improved-growth-compared-with-nonextruded-csb-in-rats/CB46DA147E985828130F24474265A42C>

Delimont NM, Haub M, **Lindshield BL**. Does Tannin Consumption Decrease Iron Bioavailability? *Curr Dev in Nutr.* 1(2): 2017. doi: <https://doi.org/10.3945/cdn.116.000042>.
<http://cdn.nutrition.org/content/1/2/e000042>

Delimont N., Turtle E.C., Bennett A., Adhikari K., **Lindshield, B.L.** University students and faculty have positive perceptions of open/alternative resources and their utilization in a textbook replacement initiative. *Res Learn Technol.* 24: 29920, 2016.
<http://dx.doi.org/10.3402/rlt.v24.29920>. <http://www.tandfonline.com/doi/abs/10.3402/rlt.v24.29920>

Opoku-Acheampong, A.B., Penugonda, K., **Lindshield, B.L.** Effect of Saw Palmetto Supplements on Androgen-Sensitive LNCaP Human Prostate Cancer Cell Number and Syrian Hamster Flank Organ Growth. *Evid Based Complement Alternat Med.* 2016: 8135135, 2016.
doi:10.1155/2016/8135135 <http://www.hindawi.com/journals/ecam/2016/8135135/>

Noriega, K.E., **Lindshield, B.L.** Is the Inclusion of Animal Source Foods in Fortified Blended Foods Justified? *Nutrients.* 6(9), 3516-3535, 2014. doi:10.3390/nu6093516
<http://www.mdpi.com/2072-6643/6/9/3516/htm>

Opoku-Acheampong, A.B., Unis D., Henningson, J.N., Beck, A.P., **Lindshield, B.L.** Preventive and Therapeutic Efficacy of Finasteride and Dutasteride in TRAMP mice. *PLOS ONE.* 8(10): e77738, 2013. doi:10.1371/journal.pone.0077738
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0077738>

Lindshield, B.L., Adhikari, K. Campus and Online U.S. College Students' Attitudes Toward an Open Educational Resource Course Fee. *Int J High Educ.* 2(4): 42-51, 2013.
doi:10.5430/ijhe.v2n4p42 <http://www.sciedu.ca/journal/index.php/ijhe/article/view/3312/2003>

Penugonda, K., **Lindshield, B.L.** Fatty acid and Phytosterol Content of Commercial Saw Palmetto Supplements. *Nutrients.* 5 (9) 3617-3633, 2013. doi:10.3390/nu5093617
<http://www.mdpi.com/2072-6643/5/9/3617>

Lindshield, B.L., Adhikari, K. Online and Campus College Students Like Using an Open Educational Resource Instead of a Traditional Textbook. *JOLT.* 9(1): 26-38, 2013.
http://jolt.merlot.org/vol9no1/lindshield_0313.htm

Opoku-Acheampong A.B., Nelsen M.K., Unis D., **Lindshield B.L.** The Effect of Finasteride and Dutasteride on the Growth of WPE1-NA22 Prostate Cancer Xenografts in Nude Mice. *PLOS ONE* 7(1): e29068, 2012. doi:10.1371/journal.pone.0029068
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0029068#>

Lindshield, B.L., Adhikari, K. The Kansas State University Human Nutrition (HN 400) Flexbook. *EDUCAUSE Review Online.* 2011.
<https://er.educause.edu/articles/2011/12/the-kansas-state-university-human-nutrition-hn-400-flexbook>

Ford, N.A., Elsen, A.C., Zuniga, K., **Lindshield, B.L.**, Erdman, J.W., Jr. Lycopene and apo-12'-lycopenal reduce cell proliferation and alter cell cycle progression in human prostate cancer cells. *Nutr Cancer*. 632: 256-263, 2011.

Lindshield, B.L., Ford, N.A., Canene-Adams, K., Diamond A.M., Wallig, M.A., Erdman, J.W., Jr. Selenium, but not lycopene or vitamin E, decreases growth of transplantable Dunning R3327-H rat prostate tumors. *PLOS ONE*. 5(4): e10423, 2010. doi:10.1371/journal.pone.0010423 <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0010423>

Erdman, J.W., Ford, N.A., **Lindshield, B.L.** Are the health attributes of lycopene related to its antioxidant function? *Arch Biochem Biophys*, 483: 229-235, 2009. doi: 10.1016/j.abb.2008.10.022 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2745920/>

Lindshield, B.L., King, J.L., Wyss, A., Goralczyk, R., Lu, C., Ford, N.A., Erdman, J.W., Jr. Lycopene biodistribution is altered in 15, 15'-carotenoid monooxygenase knockout mice. *J Nutr*, 138: 2367-2371, 2008.

Lindshield, B.L., Canene-Adams, K. and Erdman, J. W., Jr., Lycopene metabolites bioactive? *Arch Biochem Biophys*, 458: 136-140, 2007.

Canene-Adams, K., **Lindshield, B.L.**, Wang, S., Jeffery, E. H., Clinton, S. K., and Erdman, J. W., Jr. Combinations of tomato and broccoli enhance the anti-tumor activity in Dunning R3327-H prostate adenocarcinomas. *Cancer Res*, 67: 836-843, 2007.

Campbell, J.K., Canene-Adams, K., **Lindshield, B.L.**, Boileau, T.W., Clinton, S.K. and Erdman, J.W., Jr., Tomato phytochemicals and prostate cancer risk. *J Nutr*, 134: 3486S-3492S, 2004.

PEER-REVIEWED JOURNAL EDITORIAL

Lindshield, B.L. Does the nutrition and food science community value openness? *J Hum Nutr Food Sci*. 1: 1005, 2013. <http://www.jscimedcentral.com/Nutrition/Articles/nutrition-1-1005.php#tab2>

PEER-REVIEWED JOURNAL ARTICLES (Under Review)

Penugonda K, Fiorentino N, Alavi S, **Lindshield BL**. Bioavailable Iron and Vitamin A in Newly Formulated, Extruded Corn, Soybean, Sorghum and Cowpea Fortified-Blended Foods in the In-vitro Digestion/Caco-2 Cell Model. *Curr Dev Nutr*.

Regier GK, Lilja N, **Lindshield BL**. Nutrient Cost Effectiveness of Fortified Blended Food Aid Products. *Food Nutr Bull*.

Joseph M, Guo Q, Zhu L, **Lindshield B**, Bean S, Alavi S. Characterization of extruded sorghum cowpea blends to develop pre-cooked and nutritionally dense fortified blended foods. LWT - Food Sci Tech.

Delimont NM, Katz, BB, Fiorentino NM, Kimmel KA, Haub MD, Rosenkranz SK, Tomich JM, **Lindshield BL**. Salivary cystatin SN binds to phytic acid and is a predictor of non-heme iron bioavailability with phytic acid supplementation. J Nutr Sci.

PEER-REVIEWED BOOK CHAPTERS

Lindshield, B.L. Carotenoids. In: In: J.W. Erdman Jr., I.A. MacDonald, S.H. Zeisel (eds), Present Knowledge in Nutrition, 10th edition, 185-198. International Life Science Institute, 2012.

Lindshield, B.L., Erdman, J.W. Carotenoids. In: J.A. Milner, D.F. Romagnolo (eds) Bioactive Compounds and Cancer, 311-334, Springer, 2010.

<http://www.springerlink.com/content/978-1-60761-626-9/#section=720991&page=1&locus=0>

Lindshield, B.L., and Erdman, J.W., Jr. Carotenoids. In: B.A. Bowman and R.M. Russell (eds), Present Knowledge in Nutrition, 9th edition, 184-197. Washington DC: International Life Sciences Institute, 2006.

ABSTRACTS

Fiorentino NM, Kimmel KA, Joseph M, Alavi S, Beyer RS, **Lindshield BL**. Newly formulated fortified blended foods result in improved protein quality and iron bioavailability in broiler chickens. FASEB April 2017.

Delimont N, Alavi S, **Lindshield BL**. New formulations for fortified-blended foods: the MFFAPP Tanzania efficacy trial. FASEB April 2017.

Delimont N, Opoku-Acheampong A, Alavi S, **Lindshield BL**. Protein quality and micronutrient availability of extruded corn, soy, sorghum, and cowpea fortified-blended foods FASEB J April 2015 29: 584.5, 2015.

Opoku-Acheampong A, Penugonda K, Fiorentino, NM, **Lindshield BL**. Anti-Androgenic Effect of Fatty Acids and Phytosterols in Saw Palmetto Extract on Growth of Syrian Hamster Androgen-Sensitive Flank Organ FASEB J April 2015 29: 753.15, 2015.

Penugonda K, Alavi S, **Lindshield BL**. Iron Bioavailability of Sorghum, Cowpea, Corn and Soybean Fortified Blended Foods FASEB J April 2015 29: 122.1, 2015.

Lindshield BL, Adhikari K. Online and campus students have positive perceptions of an open educational resource, the Kansas State University Human Nutrition (HN 400) Flexbook. FASEB J, 27: 1064.6, 2013.

Opoku-Acheampong AB, Unis D, Beck AP, Henningson J, **Lindshield BL** The preventive and therapeutic efficacy of finasteride and dutasteride in TRAMP mice. *FASEB J*, 27: 1104.4, 2013.

Penugonda K, **Lindshield BL**. Fatty acid and phytosterol profiles of commercial saw palmetto supplements. *FASEB J*, 27: 1079.27, 2013.

Lindshield BL. Kansas State University Human Nutrition (HN 400) Flexbook. *Journal of Nutrition and Education Behavior*. 43: S4 (Abstract O10), 2011.

Acheampong A, Nelson MK, Unis D, **Lindshield BL**. 5 α -reductase inhibition to decrease prostate tumor growth. *FASEB J*, 25:225.8, 2011.

Acheampong A, Higgins MK, Dissmore T, **Lindshield BL**. 5 α -reductase inhibition to decrease prostate tumor growth. NIH, NCRR 3rd Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE). June 16-18, 2010, Bethesda, MD.

Lindshield BL, Zuniga KE, Erdman JW Jr. Do lycopene metabolites/oxidation products inhibit the growth of mouse embryonic fibroblasts through a connexin 43 gap junction independent pathway? *Carotenoid Science*, 12: 48, 2008.

Erdman JW Jr, Ford NA, **Lindshield BL**. Are health attributes of lycopene related to their antioxidant function? *Carotenoid Science*, 12: 48, 2008.

Erdman JW Jr, **Lindshield BL**, Canene-Adams K, Clinton SK. Tomato carotenoids and prevention of prostate cancer. *J Clin Biochem Nutr*, 41:35 (Abstract S05-1), 2007.

Lindshield BL, Ford NA, Canene-Adams K, Wallig MA, Erdman JW Jr. Selenium, but not lycopene or vitamin E, decreases growth of transplantable Dunning R3327-H prostate tumors. *FASEB J*, 21: A58 (Abstract 112.5), 2007.

Lindshield BL, Ford NA, Canene-Adams K, Wallig MA, Erdman JW Jr. Se-methylselenocysteine, but not lycopene or γ -tocopherol, decreases growth of transplantable Dunning R3327-H prostate tumors. *J Nutr*, 137: 288S, 2007.

Lindshield BL, Erdman JW Jr. Lycopene treatment reduces proliferation of mouse embryonic fibroblasts via a connexin 43-dependent, but gap junction communication dependent pathway. *FASEB J*, 20: A1060 (Abstract 669.9), 2006.

King JL, **Lindshield BL**, Wyss A, Goralczyk R, Erdman, JW Jr. Both lycopene and beta-carotene metabolism are altered in BC-15,15¹-monooxygenase (CMOI) knock-out mice. *FASEB J*, 20: A549 (Abstract 369.3), 2006.

Lindshield BL, Canene-Adams K, Clinton SK, Erdman JW Jr. The effect of tomato, broccoli, lycopene, or finasteride treatment on connexin 43, Skp2, or PTEN protein levels in Dunning R-3327-H transplantable prostate tumors. *FASEB J*, 19: A82 (Abstract 73.6), 2005.

Lindshield BL, Jennings D, Molteni A, Umbehrr J, Li T, Xue Y, Reppert S, Wang W, Baybutt RC. Measurement of lung retinoic acid receptors (RARs) in rats exposed to cigarette smoke with or without dietary all-trans retinoic acid (RA). *FASEB J*, 18: A499 (Abstract 355.5), 2004.

Canene-Adams K, Clinton SK, King JL, Wharton C, **Lindshield BL**, Jeffery E, Erdman JW Jr. The growth of Dunning R-3327-H transplantable prostate adenocarcinoma in rats fed diets containing tomato, broccoli, lycopene, or receiving finasteride treatment. *FASEB J*, 18: A886 (Abstract 591.4), 2004.

Canene-Adams K, Clinton SK, King JL, **Lindshield BL**, Wharton C, Jeffrey E, Erdman JW Jr. The effect of diets containing tomato, broccoli, or lycopene or finasteride treatment on the growth of Dunning R-3327-H transplantable prostate adenocarcinomas in rats. *J Nutr*, 12: 3535S, 2004.

SEMINARS/PRESENTATIONS/SHOWCASES

11/11/17 Open Education Conference (Anaheim)

Sharing Kansas State University Open/Alternative Textbook Initiative experiences: hopefully a sustainable institutional model that scales. Is a course fee a game changer for sustaining and scaling institutional textbook replacement initiatives?

10/22/17 Have a Byte Event

Kansas State University
Efficiency and Effectiveness when Teaching On-Campus and Online
<https://youtu.be/s8cBo6k4vo0>

5/25/17 School of Biological and Human Population Sciences

Oregon State University
Developing sorghum and cowpea-based fortified blended foods for food aid

11/17/16 Department of Biochemistry and Molecular Biophysics

Kansas State University
Newly formulated, extruded fortified-blended foods for food aid: the MFFAPP Tanzania efficacy study

3/22/16 Department of Forestry and Recreation Resources

Kansas State University
“Do composition differences in saw palmetto supplements translate to differences in their anti-androgen action?”

- 11/24/15 Department of Dietetics and Nutrition PhD Seminar
University of Kansas Medical Center
“Protein quality and micronutrient availability of extruded fortified-blended foods”
- 7/31/15 Open Educational Resource Panel Member
Big XII Teaching and Learning Conference
- 9/17/14 NISO Webinar E-books for Education Part 2
Open/Alternative Textbook Initiative, Kansas State University
Presented with Beth Turtle (K-State Libraries)
- 9/10/14 College of Business Administration Teaching Workshop
The Open/Alternative Textbook Initiative
Presented with Andy Bennett (Mathematics) and Beth Turtle (K-State Libraries)
- 3/5/13 Innovations in Teaching & Learning Showcase, Kansas State University
“Open Educational Resources, Textbook Replacements?”
- 3/4/13 Innovations in Teaching & Learning Workshop Panel, Kansas State University
“Take 5: Teaching Technologies that Work”
- 9/27/12 IDT Roundtable, Kansas State University
“E-textbooks and Beyond”
One of 3 speakers at session.
<http://id.ome.ksu.edu/roundtable/e-textbooks-and-beyond/>
- 3/16/12 Teaching, Learning, and Technology Showcase 2012
“Using Flexbooks to Supplement/Replace the Traditional Textbook”
- 2/20/12 College of Human Ecology Faculty Meeting
“Using Google Docs for student collaboration and organization; sign-in not required.”
- 1/11/12 Faculty Exchange for Teaching Excellence (FETE) Teaching Retreat
“Using Google Docs for student collaboration and organization; sign-in not required.”
- 9/28/11 Axio Learning Conference 2011
Peer Showcase: “Using flexbooks to supplement/replace the traditional textbook”
- 7/25/11 Society for Nutrition Education and Behavior Oral Presentation
“Kansas State University Human Nutrition (HN 400) Flexbook”
- 9/29/10 Axio Learning Conference 2010
“Flexbooks”

3/22/10 Department of Anatomy & Physiology Seminar
"5 α -reductase inhibitors and prostate cancer"

1/12/10 7th annual K-State Teaching Retreat
"Flexbooks: Better than Textbooks?"

11/17/09 Department of Human Nutrition Seminar
"Behind the Curtain - How my Ph.D. really went down & how I got from there to here."

Media sources where I have been quoted or written about

10/18/17 KCUR

Enrollment decline means \$12 million budget revision for K-State

<http://kcur.org/post/enrollment-decline-means-12-million-budget-revision-k-state#stream/0>

4/28/17 Manhattan Mercury

K-State officially welcomes President Richard Myers

<http://themercury.com/articles/k-state-officially-welcomes-president-richard-myers>

Spring K-Stater Magazine (For K-State Alumni Association members)
Open/Alternative Textbook Initiative

2/13/17 Kansas State University Press Release

Below threshold: Nutritionists discuss serious yet common mineral deficiencies

<http://www.k-state.edu/media/newsreleases/2017-02/deficiencies21317.html>

2017 Global Food Systems Video

K-State Research and Extension

<https://www.youtube.com/watch?v=e2xj1V7od8s>

Fall Good for K-State Magazine Article

The Cost Cutters: Attacking affordability through free textbooks

<http://inspire.k-state.edu/your-support-in-action/impact-stories/CostCutters.html>

10/20/16 K-State Today Article

Two students awarded Office of Undergraduate Research & Creative Inquiry grants during SPARK Week

<http://www.k-state.edu/today/announcement.php?id=30150>

9/2/16 Kansas State Collegian

Offsetting the price of textbooks

<http://www.kstatecollegian.com/2016/09/02/offsetting-the-price-of-textbooks/>

9/2/16 Kansas State Collegian

OPINION: Open textbook initiative well-intended; underfunded student service

<http://www.kstatecollegian.com/2016/09/02/opinion-open-textbook-initiative-well-intended-underfunded-student-service/>

11/2/15 Kansas State University News Release

10 Kansas State University graduate students earn honors at Research and the State

<http://www.k-state.edu/media/newsreleases/nov15/researchstate11215.html>

Spring 2015 Perspectives magazine (Kansas State University Publication)

For the sake of our state (Featured article on cover page)

http://www.k-state.edu/perspectives/documents/Perspectives_Newsletter-Spring_2015.pdf

4/27/15 Deseret News National

Universities seek alternatives to expensive textbooks

<http://national.deseretnews.com/article/4212/universities-seek-alternatives-to-expensive-textbooks.html>

2/23/15 Kansas State University Press Release

Two graduate students recognized for research that benefits Kansas

<http://www.k-state.edu/media/newsreleases/feb15/cgrswinner22315.html>

2/17/15 College of Human Ecology Press Release

Penugonda awarded two research scholarships at Topeka summit

<http://www.he.k-state.edu/news/2015/02/17/penugonda-awarded-two-research-scholarships-at-topeka-summit/>

2/11/15 College of Human Ecology Press Release

Three graduate students in human nutrition to participate in state research summit

<http://www.he.k-state.edu/news/2015/02/11/three-graduate-students-in-human-nutrition-to-participate-in-state-research-summit/>

10/30/14 Kansas State University Press Release

Ten graduate students selected as winners at annual research forum

<http://www.k-state.edu/media/newsreleases/oct14/rsrchstate103014.html>

8/20/14 Kansas State University Press Release

Faculty members develop free alternative textbooks to save students money

<http://www.k-state.edu/media/newsreleases/aug14/textbook82014.html>

Summer 2014 Perspectives Magazine (Kansas State University Publication)

Great Grains p18-19

http://www.k-state.edu/perspectives/documents/Perspectives-Summer_2014.pdf

Summer 2014 K-Stater Magazine (For K-State Alumni Association members)

Alumnus fights prostate cancer in lab

6/11/14 Kansas State University Press Release
Nutritionist offers advice on vitamins, dietary supplements
<http://www.k-state.edu/media/newsreleases/jun14/supplements61114.html?id=14474&category=news&referredBy=email>

Spring 2014 College of Human Ecology Focus Magazine
How do dietary supplements reduce cancer risk
<http://www.he.k-state.edu/documents/alumni/newsletters/2014/focus-spring-2014.pdf>

Spring 2014 Kansas State University Johnson Cancer Research Center Conquest Magazine
From drugs to dietary supplements
<http://issuu.com/kstatecancerresearch/docs/conquest/9?e=5614479/7053413>

10/07/13 Nurtaingredients-usa.com
Level of actives varies widely among saw palmetto products, researchers find
<http://www.nutraingredients-usa.com/Research/Level-of-actives-varies-widely-among-saw-palmetto-products-researchers-find>

10/3/13 Library Journal
Openness to Textbook Alternatives is Growing | From the Bell Tower
<http://lj.libraryjournal.com/2013/10/opinion/steven-bell/openness-to-textbooks-alternatives-is-growing-from-the-bell-tower/>

9/27/13 College of Human Ecology Press Release
Lindshield helps lead alternative textbook initiative
http://www.he.k-state.edu/news/2013/09/27/lindshield-helps-lead-alternative-textbook-initiative/?utm_source=twitterfeed&utm_medium=twitter

2/25/13 Kansas State Collegian
Club creates campus calorie map; mobile app in works
<http://www.kstatecollegian.com/2013/02/24/club-creates-campus-calorie-map-mobile-app-in-works/>

1/29/13 Kansas State Collegian
Open-sourced 'flexbook' earns K-State educator national acclaim
<http://www.kstatecollegian.com/2013/01/29/open-sourced-flexbook-earns-k-state-educator-national-acclaim/>

9/19/12 College Human Ecology Press Release
Lindshield's flexbook nominated for national people's choice award
<http://www.he.k-state.edu/news/2012/09/19/lindshields-flexbook-nominated-for-national-peoples-choice-award/>

9/12/12 Partnership for Technology Innovation
Providing an Open Resource, Lowering the Financial Burden
<http://partnership4techinnovation.org/providing-an-open-resource-lowering-the-financial-burden/>

8/24/12 Kansas City Star

K-State professor develops textbook flexibility

<http://www.kansascity.com/2012/08/24/3777552/k-state-professor-develops-textbook.html>

Other media outlets where the article was published:

Chicago Tribune: <http://www.chicagotribune.com/business/yourmoney/sns-201208271800--tms--kidmoneyctnsr-a20120827-20120827,0,77297.story>

McClatchy Wire

Sacramento Bee

Sun Herald (Biloxi-Gulfport and Mississippi Gulf Coast)

Lexington Herald-Leader

The Telegraph (Georgia)

The South Carolina State

The Olympian (Olympia, Washington)

The Bradenton Herald (Florida)

Bellingham Herald (Washington)

News Observer (Raleigh, North Carolina)

The Modesto Bee (Modesto, California)

The Idaho Statesman (Boise, Idaho)

The Stockton Record (Stockton, California):

The Detroit News

8/16/12 Up to Date KCUR 89.3 (Kansas City NPR station)

The 'Flexbook': A Textbook Replacement

<http://kcur.org/post/flexbook-textbook-replacement>

8/13/12 Kansas State University Press Release

From textbook to flexbook: Professor uses new collaborative tool in the classroom

<http://www.k-state.edu/media/newsreleases/aug12/flexbook81312.html>

Other media outlets that published the release:

Campus Technology: <http://campustechnology.com/articles/2012/08/13/ksu-professor-creates-flexbook.aspx>

Phys.org: <http://phys.org/news/2012-08-textbook-flexbook-professor-collaborative-tool.html>

News Medical: <http://www.news-medical.net/news/20120814/Flexbook-helps-students-save-money-on-course-materials.aspx>

Kansas City infoZine: <http://www.infozine.com/news/stories/op/storiesView/sid/52822/>

8/13/12 K-State Today

Professor's collaborative flexbook nominated for national people's choice award

<http://www.k-state.edu/today/announcement.php?id=4284&category=kudos&referredBy=email>

Summer 2012 K-Stater Magazine (For K-State Alumni Association members)

K-Stater studies drugs, saw palmetto to reduce cancer risk

4/3/12 Kansas State Collegian

Eating enough fruits, vegetables can bolster health

<http://www.kstatecollegian.com/eating-enough-fruits-vegetables-can-bolster-health-1.2724048>

3/7/12 Kansas State Collegian

Spending money for healthy food now could save in the future

<http://www.kstatecollegian.com/news/spending-money-for-healthy-food-now-could-save-in-the-future-1.2712335>

2/22/12 Just In Blog

Lindshield flexes his flexbook muscle and tells how you can, too

<http://updatejustin.wordpress.com/2012/02/22/lindshield-flexes-his-flexbook-muscle-and-tells-how-you-can-too/>

1/23/12 Kansas State University Press Release

Eating smart: Researcher studies foods, dietary supplements that may reduce risk of prostate cancer

<http://www.k-state.edu/media/newsreleases/jan12/prostatecancer12312.html>

12/16/11 K-State Research and Extension Press Release

K-State Chosen for International Research and Development Grant

http://www.ksre.ksu.edu/news/story/sorghum_grant121611.aspx

12/15/10 Issue 16 Axio Quarterly

Flexbooks: What Can They Do For You?

<http://axiolearning.org/news/2010/dec/15/flexbooks-what-can-they-do-you/>

9/14/10 Kansas State Collegian

Eating well not complicated, easy to do

<http://www.kstatecollegian.com/news/eating-well-not-complicated-easy-to-do-1.2328432>

9/9/10 Kansas State Collegian

'Little Debbie diet' may not be so sweet

<http://www.kstatecollegian.com/news/little-debbie-diet-may-not-be-so-sweet-1.2323537>

2/12/10 KTKA 49 Interview

Is dark chocolate really healthier?

Station no longer is operating, the website and story has been taken down.

2/8/10 K-State Press Release Human Ecology Version

Dark chocolate: a healthier dose of affection

<http://www.he.k-state.edu/news/2010/02/08/dark-chocolate-a-healthier-dose-of-affection/>

Fall 09 Issue 105 American Institute for Cancer Research Newsletter

Prostate Cancer: Next Steps for Research

<http://www.aicr.org/site/DocServer/AICR-NL105W.pdf?docID=3161>

STUDENT/LAB TRAINING

I. Undergraduate Students Mentored:

1. Orion Razo (Nutrition & Kinesiology)
2. Nick Bouzianis (Nutritional Sciences), Spring 2017 Office of Undergraduate Research & Creative Inquiry Research Award
3. Dominic Barker (Biology, Develop Scholars Program Student)
4. Hanna Kaempfe (Nutrition and Health)
5. Ayomide Aduloju (Medical Biochemistry)
6. Garrett Wilkinson (Nutritional Sciences), 2016 SPARK Tank Event Research Award Winner (Only one at University), 2017 Truman Scholarship Finalist
7. McKenna Parker (Nutritional Sciences)
8. Nicole Fiorentino (Biology)
9. Katie Kimmel (Nutritional Sciences)
10. Grant Geiger (Nutritional Sciences)
11. Marleen Sanchez (Public Health Nutrition, Bridges & Developing Scholar Program student)
12. Irma Ailon (Public Health Nutrition, Bridges & Developing Scholars Program student)
13. Geoff Digiacinto (Microbiology, Cancer Research Awardee)
14. Johanna Diaz (Bridges & Developing Scholars Program student, McNair Scholar)
15. JP Sibbitt (Nutritional Sciences, McNair Scholar, & 2011 K-State Extraordinary Student Winner)
16. Casey McCaw (Public Health Nutrition)
17. Victoria Fort (Bridges & Developing Scholars Program student)
18. Russ Wolters (Nutritional Sciences)
19. Melissa Short (Public Health Nutrition)
20. Areli Monarrez (former Bridges & Developing Scholars Program student)

II. Former Graduate Students

1. Nicole Delimont, Ph.D. 2017
2015 Research and the State Winner (1 of 10 at University), Fall 2016 College of Human Ecology Dissertation Award
2. Nicole Fiorentino, M.S. 2017
3. Kavitha Penugonda, Ph.D. 2015.
Fall 2014 College of Human Ecology Dissertation Award, 2014 Research and the State Winner (1 of 10 at University), 2015 Capitol Graduate Research Summit Graduate School Winner (1 or 2 at University) and 2015 Capitol Graduate Research Summit BioKansas Scholarship Winner (only University winner). 2015 New York Academy of Sciences and Pepsico Journey through Science Day (1 of 52 selected from 250 international applicants).
4. Alexander Boadu Opoku-Acheampong, M.S. 2011, Ph.D. 2015.
2nd place in the Biological Science Oral Session at the 2011 Kansas State Research Forum, Spring 2014 College of Human Ecology Dissertation Award

5. Kristen Noriega, M.S. 2014

III. Research Assistants

1. Katie Kimmel 2016-2017
2. Dave Unis 2010-2012
3. Michelle Higgins 2009-2010

IV. Post Doctoral Research Fellow

1. Hafiz Suleria 2017-present

Graduate Student Committees

1. Holly Kuckelman M.P.H field report experience committee 2017
2. Bridget Byquist M.P.H. field report experience committee 2017
3. Nicole Fiorentino M.S. defense committee 2017
4. Nicole Delimont preliminary examination 2016, Ph.D. defense committee 2017
5. Michael Minnis M.S. defense committee 2015 (Dr. Mark Haub major professor)
6. Michael Joseph preliminary examination 2014 and PhD defense 2016 committees (Dr. Sajid Alavi major professor)
7. Kristen Noriega M.S. defense committee 2014
8. Kavitha Penugonda preliminary examination 2013 and Ph.D. defense 2015 committees
9. Alexander Boadu Opoku-Acheampong preliminary examination 2013 and Ph.D. defense 2015 committees
10. Tzu-Yu Chen M.S. defense committee 2012 (Dr. George Wang major professor)
11. Kate Osei-Boadi preliminary examination 2012 and Ph.D. defense committees 2014 (Dr. Tona Melgarejo major professor)
12. Tixieanna Dissmore preliminary examination committee 2011 (Dr. Denis Medeiros major professor)
13. Alexander Boadu Opoku-Acheampong M.S. defense committee, 2011

VI. Outside Chair

1. Marcio Antonio Dornelles Goncalves Fall 2015 (Dr. Steven Dritz major professor)
2. Sara Duhachek Muggy Spring 2014 (Dr. Anna Zolkiewska major professor)
3. Emily Archer Sloane 2013 (Dr. Sherry Fleming major professor)
4. Carl Ade 2013 (Dr. Thomas Barstow major professor)
5. Amit Kumar 2011 (Dr. Sanjeev Narayanan major professor)

SERVICE

Manuscript Reviewer:

Ageing Research
Comparative Medicine
Current Developments in Nutrition

Gene Therapy & Molecular Biology
Journal of Human Nutrition and Food Science
Journal of the Academy of Nutrition and Dietetics
Journal of Medicinal Food
Journal of Nutrition
Journal of Online Learning and Teaching
Nutrition & Cancer
Nutrition Reviews
PLOS ONE
Reproduction, Fertility and Development

Academic Editor, Current Developments in Nutrition, American Society for Nutrition 2017-2020.

Faculty Senate President, Kansas State University, 2017-2018

Chair, Council of Faculty Senate President, Kansas Board of Regents, 2017-2018

Chair, W3002 Multistate Research Project “Nutrient Bioavailability Phytonutrients and Beyond”, USDA, 2016-2017

Digital Measures Implementation Committee Member, College of Human Ecology, 2016-2017

Presidents Commission on Multicultural Affairs, Kansas State University, 2016-2017

Faculty Senate President-Elect, Kansas State University, 2016-2017

Pre-Health Advisor Search Committee, College of Human Ecology, 2015-2016

College of Human Ecology Faculty Council, Department of Food, Nutrition, Dietetics and Health, 2015-2016

Faculty Compensation Taskforce, Kansas State University, 2015-2016

Department Head Search Committee, Department of Food, Nutrition, Dietetics, and Health, 2015-2016

College Faculty Senate Caucus Chair & Faculty Senate Executive Committee, College of Human Ecology, Kansas State University, 2015-2016

K-State Online Coach, 2015-Present

Chair, Physical Inactivity Research Assistant Professor Search Committee, Department of Food, Nutrition, Dietetics and Health, 2014

K-State Online Advisory Committee, Kansas State University, 2014-Present

Open/Alternative Textbook Initiative, Kansas State University, 2013-Present

Editorial Board, Journal of Human Nutrition and Food Science, 2013-Present

Canvas Pre-Pilot and Pilot, Kansas State University, 2013-2014

Office 365 Steering Committee, Kansas State University, 2013-Present

Chair, ASN Diet and Cancer Animal Studies Minisymposium, Experimental Biology, 2013

Judge, K-State Research Forum and/or Research and the State, 2013, 2014, 2015

Abstract Scorer for Experimental Biology 2013 Conference, ASN Diet and Cancer RIS, ASN Dietary Bioactives RIS, 2012

Webmaster Search Committee, College of Human Ecology, 2012-2013

Email Upgrade Committee, College of Human Ecology Representative, Kansas State University, 2012

Public Health Nutrition Curriculum Taskforce, Department of Food, Nutrition, Dietetics and Health, 2012

-New curriculum with new name, Nutrition and Health, began fall 2013

Learning Library Subcommittee, ASN, 2012-2015

Faculty Senator, College of Human Ecology Representative, Kansas State University, 2012-Present

Faculty Senate Committee on Technology, College of Human Ecology Representative, Kansas State University, 2012-2015

Past Chair, ASN Diet and Cancer Research Interest Section, 2012-2013

Interim Faculty Senate Committee on Technology, College of Human Ecology Representative, Kansas State University, 2012

Chair, ASN Diet and Cancer Helpful or Harmful: Soy, Isoflavones and Cancer Risk Symposium, Experimental Biology, 2012

K-State 2025 Graduate Scholarly Experience Committee, College of Human Ecology, 2012

Chair, ASN Diet and Cancer Research Interest Section, 2011-2012

Department Head Search Committee, Department of Food, Nutrition, Dietetics and Health, 2011-2012

Webmaster & Social Media Director, Department of Food, Nutrition, Dietetics and Health, 2012-present

Website Committee, Department of Food, Nutrition, Dietetics and Health, 2011-2012

Curriculum Task Force, College of Human Ecology, 2011

Advisor, Nutritional Sciences Majors, 2008-Present

Advisor, Health & Nutrition Society (Student Interest Group), 2009-Present

Oral Presentation & Poster Judge, K-State Research Forum, 2010, 2011, 2013, 2014

M.P.H. Graduate Faculty, 2010-Present

Chair-Elect, ASN Diet and Cancer Research Interest Section, 2010-2011

Co-Chair, ASN Diet and Cancer, Micronutrients and Bioactive Compounds Minisymposium, Experimental Biology, 2010

Academic Affairs Committee, College of Human Ecology, Kansas State University, 2009-2011

Mentor, NIH Bridges to the Future Program, 2009-2013

Mentor, K-State Developing Scholars Program, 2009-2013

OUTREACH/OTHER PUBLICATIONS

Take 5: A 5-minute video on Open Educational Resources

<http://ome.ksu.edu/webcast/itac/take5/lindshield.html>

Campus Calorie Map, Health & Nutrition Society.

<http://www.he.k-state.edu/hn/resources/Campus%20Calorie%20Map.pdf>

-I advised the students in the Health & Nutrition Society on the development of this resource.

Kansas State University Department of Human Nutrition Youth & Teen Basketball Nutrition Handout. 2012.

<http://www.he.k-state.edu/hn/resources/Youth%20and%20Teen%20Basketball%20Nutrition%20Handout.pdf>

-I was asked by my former junior college basketball coach to put together a handout for him to use for basketball players at his clinics. I put together an original draft and then worked with Mark Haub, Tanda Kidd, Ric Rosenkranz, and Sara Rosenkranz to produce the handout.

Lindshield B.L., Kansas State University Human Nutrition (FNDH 400) Flexbook goo.gl/vOAnR

Lindshield, B.L., and Erdman, J.W., Jr. Update on Carotenoids. In: A. Bowley (ed), Nutriview, pp 3-4, 2006.

Lindshield, B.L., Keck, A.S., Erdman, J.W., Jr. Tomato and Cancer Prevention Module In: Functional Foods and Cancer Prevention I: 2005.

-Continuing education credit for nurses and dietitians

PROFESSIONAL ORGANIZATIONS

American Society for Nutrition (2003-present)

Society for Nutrition Education and Behavior (2011)