

**VITA**  
**Dr. Elizabeth P. Easter**  
**University of Kentucky, Lexington, KY**  
**College of Agriculture, Food, and Environment**  
**Retailing and Tourism Management**

## **Education**

- Ph.D. 1982      University of Tennessee, Knoxville, TN; College of Home Economics.  
Major: Textile Science; Minors: Chemistry and Consumer Studies
- M.S. 1973      University of Tennessee, Knoxville, TN; College of Home Economics.  
Major: Textiles and Clothing
- B.S. 1971      Morehead State University, Morehead, KY; Department of Home Economics:  
Major: Vocational Home Economics Education

## **Professional Experience**

- 8/1984 to      Professor: University of Kentucky, Lexington, KY, Retailing & Tourism  
Present      Management Department, Martin-Gatton College of Agriculture, Food & Environment.

## **Research**

### **Refereed Journal Articles:**

- Easter, E., & Dabbain, S. (2023) An Evaluation of the Barrier and Durability Performance of Reusable Level 2 Isolation Gowns over their Promoted Service Life. *AATCC Journal of Research*, November 2023.
- McQuerry M. & Easter E. P., (2022) Wildland Firefighting Personal Protective Clothing Cleaning Practices in the United States, *Fire Technology Journal*, 58, 1667-1688 February 2022.  
Impact Factor 2.239.
- McQuerry M., Easter E. P., & Cao A. (2021) Disposable versus Reusable Medical Gowns: A Performance Comparison, *American Journal of Infection Control*. 49(5): May 2021.  
Impact Factor 2.918.
- Grosso, V. E. & Easter, E. P., (2021) Evaluation of Leggings Selected by Athleisure Consumers" *Journal of Textile Science & Fashion Technology*, 7(4) 2021. Impact Factor 2.2
- Easter, E., Badgett, J. (2020) An Evaluation of the Quality of Men's 100% Cotton Jersey Knit White T-Shirts', *Journal of Textile Science & Fashion Technology*, 5(5): 2020. Impact Factor 2.2.
- Easter, E., Badgett, J. (2019) An Evaluation of the Quality of Men's 100% Cotton Jersey Knit T-Shirts', *Journal of Textile Science & Fashion Technology*, 3(2): 2019. Impact Factor 2.2.
- Farashahi, B., Easter, E., Annett-Hitchcock. K. (2018) "Price and perceived product quality: a comparison of denim jeans in three price categories", *Journal of Fashion Marketing and Management: An International Journal*, Vol. 22 Issue: 3, pp.369-386, <https://doi.org/10.1108/JFMM-10-2017-0104>.  
Impact Factor 3.329.
- Easter, E., Lander, D., Houston, T. (2016) Risk Assessment of Soils Identified on Firefighter Gear. *Journal of Occupational and Environment Hygiene*, Article DOI: 10.1080/15459624.2016.1165823, Taylor & Francis.3/3016. Impact Factor 2.155.

McQuerry, M., Klausing, S., Cotterill, D., Easter, E. (2015) Post-use analysis of firefighter turnout gear: Phases I, II, & III. *ASTM Journal of Testing and Evaluation*. Impact Factor 1.264.

McQuerry, M., Klausing, S., Cotterill, D., Easter, E. (2014) A post-use evaluation of turnout gear using NFPA 1971 standard on protective ensembles for structural firefighting and NFPA 1851 on selection, Care and maintenance. *Journal of Fire Technology*, Article DOI: 10.1007/s10694-014-0446-x, Springer.11/25/14. Impact Factor 2.239

## **Refereed Papers Published in Proceedings:**

McQuerry, M., Cao, A.\*\*, & Easter, E. (4/10/2019). Wash lifespan analysis of surgical gown durability concerning impact penetration and hydrostatic pressure. *2019 Proceedings of AATCC International Conference*. Fort Worth, TX.

Easter, E., Hackett, Tara & Behnoosh, F. (2016) *Assessing the Impact of Reduced Water Levels, Detergent Type and Laundering Platform on Basic Clothing Attributes*. AATCC 2016 International Conference, Williamsburg, VA, 380-397.

McQuerry, M. (2015). *Post-Use Analysis of Firefighter Turnout Gear: Phases I, II, & III*. ASTM F23.80 Subcommittee on Flame and Thermal Hazards. (Directed by Easter, Elizabeth)

McQuerry, M., Klausing, S., Cotterill, D., Easter, E. (2014) A post-use evaluation of turnout gear using NFPA 1971 standard on protective ensembles for structural firefighting and NFPA 1851 on selection, Care and maintenance. *Journal of Fire Technology*, Article DOI: 10.1007/s10694-014-0446-x, Springer.11/25/14. Impact Factor 2.239

## **Research Grants**

Easter E. P., "Quality Control Lab for NAILM," Sponsored by Association for Linen Management, January 1, 1988 - December 31, 2025; \$1,067,780.00.

Easter E. P. & McQuerry M., "Product Development and Evaluation of 'Tough Cotton® Leggings, Cotton in the Curriculum, Works," Sponsored by Cotton Incorporated, \$20,294.00, January 1, 2020 - December 31, 2020.

Easter E. P., "Cotton Incorporated Laundry Study," Sponsored by Cotton Incorporated, \$229,574.00, January 1, 2012 - December 31, 2016.

Easter E. P., "University of Kentucky Research Study on Evaluating Used Firefighter's Gear to Determine Appropriate Retirement Age," Sponsored by National Institute of Standards & Technology, \$200,000.00, July 1, 2010 - October 31, 2011.

## **Presentations**

### **Invited:**

Easter, E.P., "Overview of Laundering and Decontamination of Reusability of Textiles in Healthcare" Techtextil North America, Georgia World Congress Center, Atlanta, GA. (May 6, 2025).

Easter, E. P., "Level Setting: The U.S. Ecosystem for Personal Protective Equipment" Reusable Health Care Textiles for Use in Personal Protective Equipment Workshop, National Academies Sciences Engineering Medicine, Washington DC, United States. (March 4, 2024).

Easter, E. P., McQuerry, M., (November 2023). Wildland Firefighting Personal Protective Clothing and Cleaning Practices in California OSHA BOARD ADVISORY COMMITTEE: STATE OF CALIFORNIA, CAL FIRE & OSHA, United States. (November 2023).

Easter, E.P. (Presenter & Author).Master Clothing Volunteers. "Ironing: How to iron, ironing accessories and supplies and tips and tricks of ironing." Cave City, KY. (10/24/2023).

Easter, E.P. (Presenter & Author). Master Clothing Volunteers. "Captivating Color: Explored the basics of color, including the perception of color and its impact on our surroundings:dyeing, printing, and color defects. Cave City, KY. (10/24/2023).

McQuerry, M & Easter, E. Wildland firefighting personal protective clothing cleaning practices in the United States. *4th Global Summit on Future Materials Science and Research*. Las Vegas, NV (virtual) (11/8/2022).

Easter, E. P. (Presenter & Author), Engineering Week 2022 - Laundry Training, "Laundry Tips and Tricks", GE Appliances, Invited, Louisville, KY, United States. (10/6/2022).

Easter, E.P. (Presenter & Author). Master Clothing Volunteer Training, "Soils and Stains in the Laundry", University of Kentucky Family & Consumer Sciences, Invited, Embassy Suites, Lexington, KY. (10/3/2022).

Easter, E.P. (Presenter & Author). Master Clothing Volunteer Training, "What's New in Linens," University of Kentucky Family & Consumer Sciences, Invited, Embassy Suites, Lexington, KY. (10/3/2022).

Easter, E.P. (Presenter & Author). Master Clothing Volunteer Training, "What's New in Linens," University of Kentucky Family & Consumer Sciences, Invited, Embassy Suites, Lexington, KY. (10/2021).

Easter, E.P. (Presenter & Author). Master Clothing Volunteer Training, "Basics of Textiles: Get to Know Fibers & Fabrics," University of Kentucky Family & Consumer Sciences, Invited, Embassy Suites, Lexington, KY. (2021).

Easter, E. P. (Presenter & Author), Engineering Week 2020 - Laundry Training, "Color Basics & Colorfastness," GE Appliances, Invited, Louisville, KY, United States. (2020).

Easter, E. P. (Presenter & Author), Engineering Week 2019 - Laundry Training, "Stains and Stain Removal," GE Appliances, Invited, Louisville, KY, United States. (2019).

Easter, E. P. (Presenter & Author), Engineering Week 2018 - Laundry Training, "Laundry Tips and Tricks," GE Appliances, Invited, Louisville, KY, United States. (2018).

Easter, E. P. (Presenter & Author), Clothes Care Research Consortium Biannual Meeting, "To Evaluate the Impact of the Dryer on the Clothes Load - Phase 2," Clothes Care Research Consortium Proctor and Gamble, GE Appliances and Cotton INC, Invited, Louisville, KY, United States. (2018 & 2017).

Easter, E. P. (Presenter & Author), NFPA 1851 Committee Meeting, "Review of the Validation of Fire Fighter Personal Protective Ensemble - 'How Clean is Clean?'," National Fire Protection Association, Invited, Los Angeles, CA, United States. (2018).

Easter, E. P. (Presenter & Author), Engineering Week 2017 - Laundry Training, "Detergency 101 - Soils, Soiling, and Soil Removal," GE APPLIANCES, Invited, Louisville, KY, United States. (2017).

Easter, E. P. (Presenter & Author), Clothes Care Research Consortium Biannual Meeting, "Evaluating Performance Textiles after Washing with the 2018 Energy Requirements for Water and Temperature," Clothes Care Research Consortium

Proctor and Gamble, GE Appliances and Cotton Inc., Invited, Cincinnati, OH, United States. (May 5, 2017).

## Other Research Activity:

Member, (11/28/2023-7/31/2024). *National Academies of Sciences, Engineering, and Medicine* to serve on the Reusable Health Care Textiles for Personal Protective Equipment Committee.

Director, (1/1988-present). *ALM: Quality Control Laboratory* Provides a test piece service for the Association for Linen Management.

Project Leader, (2000-present). The Clothes Care Research Consortium™ (CCRC) is a cooperative effort among Cotton Incorporated, GE Consumer & Industrial, and Procter & Gamble. The University of Kentucky's Textile Testing Laboratory provides unbiased oversight to design and conduct CCRC's research projects to help consumers save time and money by identifying the best in-home cleaning and maintenance techniques to extend the life and performance of fabrics.

Multi-State Research Project: Stannard, C., McQuerry, M., McKinney, E., Easter, E., Meyer, S., Martindale, A., DenHartog, E., & Hwang, C. (10/1/2019-9/30/2025). Improving the safety and health of wildland firefighters through personal protective clothing. *Western Association of Agricultural Experiment Station Directors, United States Department of Agriculture (USDA)*.

Director, Textile Testing Laboratory (<http://rtm-hes.ca.uky.edu/content/textile-testing-lab>): utilizing both undergraduate and graduate students as lab technicians or research assistants to conduct basic textile testing for product development and evaluation for the industry, including the following: Standard Textiles, Cincinnati, OH; GE Appliance, Louisville, KY; Lion Apparel, Inc. Dayton, OH; ALM, Richmond,

KY; Denline Uniforms, Quincy, IL; Calderon Textiles, Indianapolis, IN; Galls, Lexington, KY; Medco Technology, Columbia, SC; Vestagen Technical Textiles, Inc., Chesnee, SC; SDL Atlas, Rock Hill, SC; A-1 Textiles, Chatsworth, CA; Arcwear, Louisville, KY and Procter & Gamble, Cincinnati, OH.

## Teaching

### Courses Taught

RTM 600: Research Methodology in Retailing & Tourism Management: Students will study science. Techniques and accepted methodologies in Retailing & Tourism Management research. Emphasis is placed on understanding the research process and developing the skills to evaluate and implement research methods and design procedures.

RMT 772: *Seminar in Retailing & Tourism Management*: Current investigation of research in Retailing and Tourism Management. Emphasis will be placed on research applications and presentations.

MAT 515: *Specification and Evaluation of Textiles and Apparel*: The quality control evaluation of textiles products, both apparel and interiors. The development of specifications and evaluation of a product.

MAT 120: *Textiles for Consumers*: A study of textiles emphasizing consumer applications. Properties of fibers, yarns, fabric structures, colors, and finishes as related to end-use. Survey of legislation and maintenance requirements.

### Master's Thesis: Committee Chair

Dabbain, Susan, "Evaluating the Performance of Reusable Level 2 Isolation Gowns", Degree Awarded (December 2021).

Ashia, Peggy Sowah, "Apparel Sizing and Fit of Jeans for Girls aged 7-12", (May 2020).

Virginia Groppo, "An Evaluation of the Performance of Leggings Based on a Consumer Survey," Degree Awarded. (August 2019).

Katelyn Eubank, "A Comparative Study of Aesthetic and Performance Textile Properties of Viscose from Bamboo, Organic Cotton and Lyocell," Degree Awarded. (December 2018).

Jeanne Badgett, "An Evaluation of the Quality of Men's 100% Cotton Jersey Knit T-shirts," Degree Awarded. (July 2017).

Katherine Hahnel, Merchandising, Apparel and Textiles, "An Analysis of Performance Claims in Athleisure Apparel," Degree Awarded. (May 2017).

Farashahi, Behnoosh. "Quality Evaluation of Denim Jeans at Three Price Points." Degree Awarded. (July 2016).

Hackett, Tara. "A Comparative Life Cycle Assessments of Denim Jeans and Cotton T- Shirt: the Production of Fast Fashion Essential Items from Cradle to Gate," Degree Awarded. (July 2015)

Houston, Tabitha. "Identification of Soils on Firefighter Turnout Gear from the Philadelphia Fire Department," Degree Awarded. (December 2014).

## **Continuing Education Instructor**

American Laundry and Linen College, Basics of Linens, Association for Linen Management, Richmond, KY: One 4-hour class per year, 30-50 students per session, 1986-2025.

## **Service**

### **Department Service**

Retailing and Tourism Management Advisory Board, (2016 - 2025).

## **Professional Service**

### **Consulting**

Business and Industry, GE Appliances, a Haier company, Louisville, KY, United States. (June 1993 - present). Description: Review test methods, provide training on test methods and provide basic textiles information to engineers.

Expert Consultant, Tamoda Apparel, INC vs Jackson Clothing Co., Superior Court of the State of California County of San Francisco, Case No. CGC-18-570756. (December 2019-October 2020)

PPE Consultant, Sigmatex-Lanier Textile, Suwanee, GA. (May 2020 – August 2020)

PPE Consultant, NOLA Couture & Ochsner Healthcare, New Orleans, LA (March 2020-present)

Expert Witness, Standard Textile Co., INC vs. J&R United Industries, INC., US District Court for the Southern District of Florida, Ft. Lauderdale Division, Case No. 17-618115-Dimitrouleas (January 2019-August 2019).

Expert Witness, T. Edwards Williams, Armstrong Teasdale LLP, Denver Colorado, Denver, CO ABC Industrial Laundry vs. Christeys Laundry Technology, LLC, Sheraton, Denver Downtown, Case # 2017CV30761. (April 2017-February 2018).

Expert Witness, Philip T. Carroll, Cozen O'Connor, Levi Strauss & Company, Chicago Store Fire, 600 N Michigan Avenue, Chicago, Claim # GBMI02143915; Case 382503.000. (May 2016 – June 2016).

Expert Witness, Jim Wyly, Attorney, Deutsch, Kerrigan & Stiles, L.L.P. Gulfport, MS, Lawrence Burkhalter and Matthew Nault v. Aldon Industries, Inc.; Globe Manufacturing Co., etc. Civil Action No. 1:01cv155GR, Biloxi, MS. (May 2002 – December 2003)

Expert Witness, Palmetto Linen Services, Inc. vs. Gurtler Chemicals, Inc., and Gurtler Industries, Florence, SC. Civil Action No. 4:01-3376-12. (June 2002 – July 2003).

Expert Witness, Texace Corporation vs. Town Talk Manufacturing Company Incorporated, Patent Infringement, United States District Court for the Western District of Kentucky, Louisville, KY. (1988)

## **Professional Development**

### **Memberships**

American Association of Textile Chemists and Colorists. International. (1982 - Present).

American Society for Testing Materials. International. (1986 - Present).

Association of Home Appliance Manufacturers. International. (1993 - Present).

National Fire Protection Association. International. (2017 - Present).