

KELSIE DOTY

Education

Ph.D. Cornell University, 2016-present

Apparel Design

Special Committee Chair: Denise Green

Dissertation Title: Why We Dye, An Exploration of Natural Dyes in the Apparel Supply Chain

M.S. Kansas State University, 2013- 2015

Apparel and Textiles (Design Emphasis)

Major Professor: Sherry Haar

Thesis Title: Comparison of Aluminum Mordanted and Nonmordanted Wool Yarns Naturally Dyed with Kansas Black Walnut, Osage Orange, and Eastern Redcedar Sawdust

B.S. Kansas State University, 2010-2013

Apparel and Textiles (Apparel Design Specialization)

Research and Teaching Experience

Instructor

July- August 2019

Cornell University, Department of Fiber Science & Apparel Design, College of Human Ecology

Course: Fashion Design and Visual Thinking

Graduate Research Assistant

August 2016- May 2019

Cornell University, Department of Fiber Science & Apparel Design, College of Human Ecology

Committee Chair: Denise Green

Instructor

July- August 2018

Cornell University, Department of Fiber Science & Apparel Design, College of Human Ecology

Course: Fashion Design and Visual Thinking

Adjunct Instructor

August 2015- May 2016

Kansas State University, Department of Apparel, Textiles, & Interior Design, College of Human Ecology

Courses: Apparel Pre-Production Processes, Apparel Pattern Development I, Apparel Production II, Computer-Aided Design of Apparel

Graduate Teaching Assistant

August 2013- August 2015

Kansas State University, Department of Apparel, Textiles, & Interior Design, College of Human Ecology
Courses: Apparel Pre-Production Processes, Apparel Pattern Development I, Apparel Pattern Development II, Aesthetics of Apparel and Textiles, Apparel and Textile Industry, Dress and Human Behavior

Graduate Research Assistant

January 2014- May 2014

Kansas State University, Department of Apparel, Textiles, & Interior Design, College of Human Ecology
Principle Investigator: Minyoung Suh

Research Project: Breast volume evaluation using 3D body scanner and image analysis tool.

Responsibilities: Data collection using a TC2 NX16 body scanner and Novel pressure sensors, conducting testing procedures, scheduling and meeting with participants, and processing data using Rapidform XOR® software.

Undergraduate Teaching Assistant

August 2012- May 2013

Kansas State University, Department of Apparel, Textiles, & Interior Design

Courses: Apparel Pre-Production Processes, Apparel Pattern Development I, Apparel Pattern Development II, Aesthetics of Apparel and Textile

Undergraduate Research Assistant

June 2011- August 2013

Kansas State University, Department of Apparel, Textiles, & Interior Design, College of Human Ecology
Principle Investigator: Dr. Sherry Haar

Research Projects: Effects of post-treatments on colorfastness of pounded plant prints.

ATID Student Ambassador

August 2010- August 2015

Department of Apparel, Textiles, and Interior Design

Publications

Green, D. N., Kaiser, S. B., **Doty, K.**, & Streck, K. (2019) Both sides now: Articulating textiles and fashioned bodies in the works of Joni Mitchell, 1968 - 1976. *Clothing and Textile Research Journal*. 37(3) 171-186.

Doty, K., Haar, S., & Kim, J. (2016). Black walnut, osage orange and eastern redcedar sawmill waste as natural dyes: Effect of aluminum mordant on color parameters. *Fashion and Textiles Journal*. 3(1), 22. Retrieval from <https://link.springer.com/article/10.1186/s40691-016-0074-9>

Doty, K., & Haar, S. (2013, June). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. *Undergraduate Research Journal of the Human Sciences*, 12. Retrieval from <http://www.kon.org/urc/v12/doty.html>

Invited Keynote Speaker

Doty, K., & Haar, S. (2014, February). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. Oral presentation at the annual South Carolina Association of Family Consumer Sciences, Spartanburg, SC

Contributor and Stylist

Wallace, B., Reeves, S., Reeves, J., & **Doty, K.** (2015, September). Fall fashion forecast: Make way for groovy grunge. *Manhattan Magazine*, 8(3), 10-1

Juried Creative Scholarship

Doty, K. *Gratitude*. Garment design naturally dyed with food waste from Cornell dining, textile design, and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 6-9, 2018, Cleveland, OH. Professional Member Jury: 34% accepted.
- Winner of the 2018 International Textile and Apparel Association graduate student ESRAP award for sustainable design.

Doty, K. *Bonded*. Recycled textile, textile design, garment design and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 6-9, 2018, Cleveland, OH. Professional Member Jury: 34% accepted.

Doty, K. *#NATURALDYE*. Seven minute documentary film accepted for screening:

- Textile Society of America's Biennial Conference Film Festival, Sep. 18-25, 2018, Vancouver, British Columbia, Canada
- Available at: <https://vimeo.com/247054322>

Doty, K. (Green, D. faculty mentor). *Strata*. Recycled textile, textile design, garment design and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 14-18, 2017, St. Petersburg, FL. Professional Member Jury: 38% accepted.

Doty, K. (Green, D. faculty mentor). *Life After Death*. Recycled textile, textile design, garment design and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 14-18, 2017, St. Petersburg, FL. Professional Member Jury: 38% accepted.

Doty, K. (Haar, S. faculty mentor). *Catalpa Leaves*. Naturally dyed, handwoven and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 9-13, 2015, Santa Fe, NM. Professional Member Jury: 37.5% accepted.
- ATID Showcase of Excellence, Live Exhibit. April 16th, 2015, Kansas State University, Manhattan, KS. Awarded: 1st in the Upperclassmen Category with prizes worth \$500.

Doty, K. (Haar, S. faculty mentor). *Sunrise in the Orchard*. Naturally dyed, handwoven and sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 9-13, 2015, Santa Fe, NM. Professional Member Jury: 37.5% accepted.
- ATID Showcase of Excellence, Live Exhibit. April 16th, 2015, Kansas State University, Manhattan, KS.

Doty, K. (Haar, S. faculty mentor). *Apple*. Naturally dyed, handwoven and sustainable fashion accepted for exhibit:

- ATID Showcase of Excellence, Live Exhibit. April 16th, 2015, Kansas State University, Manhattan, KS.

Doty, K. (Haar, S. faculty mentor). *First Snow on Barren Branches*. Handwoven sustainable fashion accepted for exhibit:

- International Textile and Apparel Association Design Exhibition, Nov. 12-16, 2014, Charlotte, NC. Professional Member Jury: 43% accepted.
- ATID Showcase of Excellence, Live Exhibit. May 1st, 2014, Kansas State University, Manhattan, KS. Awarded: 1st in the Cotton Category, sponsored by Plains Cotton Cooperative Association with prizes worth \$500

Doty, K. (Haar, S. faculty mentor). *Hawaiian Upcycled Shorts and Bandeau*. Sustainable fashion accepted for exhibition:

- Redefining, Redesigning Fashion. Jan 19- May 26, 2013, University of Minnesota College of Design, St. Paul, MN. Exhibition Curators: Marilyn Delong, Barbara Helnemann, Kathy Relley.
- International Textile and Apparel Association Design Exhibition, Nov. 14-17, 2012, Honolulu, HI. Professional Member Jury: 37% accepted.

Doty, K. (Haar, S. faculty mentor). *Hawaiian Upcycled Halter Dress*. Sustainable fashion accepted for exhibition:

- International Textile and Apparel Association Design Exhibition, Nov. 14-17, 2012, Honolulu, HI. Professional Member Jury: 37% accepted.

Doty, K. (Haar, S. faculty mentor). *Upcycled Racer-Back Dress*. Sustainable fashion accepted for exhibition:

- Redefining, Redesigning Fashion. Jan 19- May 26, 2013, University of Minnesota College of Design, St. Paul, MN. Exhibition Curators: Marilyn Delong, Barbara Helnemann, Kathy Relley.
- ATID Showcase of Excellence, Live Exhibit. May 1st, 2014, Kansas State University, Manhattan, KS. Awarded: 2nd in the Dick Rees category with prizes worth \$200

Doty, K. (Burdett, J. faculty mentor). *Women's Western Denim*. Design exhibited:

- Denim Runway Design Contest. December, 2011. Kansas State University Awarded: 3rd in Women's Fashion Jeans, sponsored by Plains Cotton Cooperative Association

Doty, K. (Burdett, J. faculty mentor). *Upcycled Denim Backpack*. Design exhibited:

- Denim Runway Design Contest. December, 2011. Kansas State University Awarded: 3rd in the Casual Category, sponsored by Plains Cotton Cooperative Association

Juried Paper Presentations

Presenter(s) indicated with * when all authors listed did not present.

Green, D., Kaiser, S., Streck, K., & **Doty, K.** (2018). "I knew the mechanics of hip": Fashioning bodies in the works of Joni Mitchell, 1968-1979. Oral presentation at the annual International Textile and Apparel Association conference, Cleveland, OH

Haar, S.*, Patwary, S., **Doty, K.**, & Green, D. (2018). Natural dyes for volume dyeing: Colorfastness to laundering. Poster presentation at the annual International Textile and Apparel Association conference, Cleveland, OH

Lewis, T.*, Trejo, H., **Doty, K.**, Baclig, M., & Duffy, S. (2018). Micro-manufacturing for a circular fashion economy: Exploring ideas for reclaimed apparel. Poster presentation at the annual International Textile and Apparel Association conference, Cleveland, OH

Phoenix, K.*, **Doty, K.**, & Ashdown, S. (2018). Waffle structure display mannequins produced using Rhino software. Oral presentation at the annual International Textile and Apparel Association conference, Cleveland, OH

Doty, K.*, Li, M., Black, E., Chandler, A., Guria, S., Park, H., & Green, D. (2017). Preliminary investigation of Bikram yoga apparel for improved mobility and comfort. Poster presentation at the annual International Textile and Apparel Association conference, St. Petersburg, FL

Haar, S.*, & **Doty, K.** (2016). Pounded plants on cotton: Methods, outcomes, and colorfastness of post-treatments. Paper presentation at the 10th International Shibori Symposium, Oaxaca, MX.

Doty, K.*, & Haar, S. (2014). Exploration of color from black walnut, osage orange, and eastern red cedar sawdust on cotton yarn for design of a hand woven textile and apparel product. Poster presentation at the annual International Textile and Apparel Association conference, Charlotte, NC

Suh, M.*, & **Doty, K.** (2014). A new method for accurate breast volume evaluation: Using 3D body scanner and image analysis tools. Paper presentation at the annual International Textile and Apparel Association conference, Charlotte, NC

Doty, K.*, & Haar, S. (2014). Exploration of color from black walnut, osage orange, and eastern red cedar sawdust on cotton yarn for design of a hand woven textile and apparel product. Poster presentation at Research and the State, Kansas State University, Manhattan, KS

Doty, K.* & Haar, S. (2014). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. Oral presentation at the annual United Associations Conference, Wichita, Ks

Doty, K.* & Haar, S. (2013). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. Oral presentation at the annual American Association of Family Consumer Sciences, Houston, TX

Awarded: Coordinating Council of Honor Societies Undergraduate Student Research Paper Award

Doty, K.* & Haar, S. (2012). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. Oral presentation at the annual International Textile and Apparel Association conference, Honolulu, HI.

Doty, K.* & Haar, S. (2011). Exploration of natural dyes from osage orange (*Maclura pomifera*), walnut (*Juglans nigra*), and eastern redcedar (*Juniperus virginiana*) bark on wool and alpaca yarns. Oral presentation at the MKN McNair Heartland Research Conference, Kansas City, KS

Invited Lectures and Competitive Presentations

Doty, K. (2018). Textile waste, recovery, and upcycling. Invited lecture in DSOC 2030 "Global Garbage" at Cornell University, Oct 17.

Doty, K.*, Haar, S., & Kim, J. (2016). Black walnut, osage orange and eastern redcedar sawmill waste as natural dyes: Effect of aluminum mordant on color parameters. Invited lecture at Cornell University.

Doty, K.* & Haar, S. (2014). Exploration of color from black walnut, osage orange, and eastern red cedar sawdust on cotton yarn for design of a hand woven textile and apparel product. Poster presentation at the Kansas Research Forum at Kansas State University

- Awarded: 3rd in division for poster presentation.

Doty, K.* & Haar, S. (2013). Comparison of aluminum mordanted and nonmordanted wool and cotton dyed with walnut. Oral presentation for the Kansas Research Forum at Kansas State University, Manhattan, KS

- Awarded: 3rd for Undergraduate Research Presentation

Professional Memberships

- International Textile and Apparel Association, Student Member: 2011-2019
- Textile Society of America, Student Member: 2013-2018
- Handweaver's Guild of America, Student Member: 2013-2014

Scholarships and Awards

- Herbert and Lillian B. Powell Fellowship, 2019
- Mary Fund Purchase Fellowship, 2019
- Flemmie Kittrell Fellowship, 2019
- Cornell Engage Grant, 2019, \$15000
- Cornell Graduate School Research Travel Grant, 2019, \$2000
- Cornell Council for the Arts, 2018, \$1000
- Cornell Graduate School Travel Grant, 2018, \$235

- Cornell Council for the Arts, 2017, \$1000
- Cornell Graduate School Travel Grant, 2017, \$365
- Sara Douglas Fellowship for Professional Promise from International Textile and Apparel Association, 2014, \$500
- Handweavers Guild Of America's Convergence Conference Student Assistantship, 2014
- Eileen C. Maddex Fellowship from Kappa Omicron Nu, 2014, \$2000
- Coordinating Council of Honor Societies Undergraduate Student Research Paper Award, 2013, \$700
- Outstanding Senior in Apparel Textile Design, College of Human Ecology, 2013
- Ronald E. McNair Scholars Program Stipend, 2011, \$2600
- Rose D. Garzio Scholarship, 2011
- Full Scholarship for Vocal Performance to Butler Community College 2007-2009
- Kansas State University Dean's Honor Roll, 3.75 GPA, Fall 2010, Spring 2011, Fall 2012, Spring 2013
- Butler Community College President's Honor Roll, 3.75 GPA, Fall 2008-Spring 2009

Honors Program Memberships & Student Organizations

- Kappa Omicron Nu
- Ronald E. McNair Scholars
- Apparel and Textile Graduate Student Organization, Kansas State University
Vice President: 2013-2015

Conferences Attended

International Textile & Apparel Association, Cleveland, OH, November 6-9, 2018

International Textile & Apparel Association, Saint Petersburg, FL, November 7-10, 2017

International Textile & Apparel Association, Santa Fe, NM, November 9-13, 2015

International Textile & Apparel Association, Charlotte, NC, November 12-16, 2014

Handweaver's Guild of America Convergence, Providence, RI, July 14-19, 2014

United Associations Conference, Wichita, Ks, March, 2014

South Carolina Association of Family Consumer Sciences, Spartanburg, SC, February 19-21, 2014

American Association of Family Consumer Sciences, Houston, TX, June 26-29, 2013

International Textile & Apparel Association, Honolulu, HI, November 14-17, 2012

MKN McNair Heartland Research Conference, Kansas City, KS, September, 2011