

Eric M Hinsch, PhD

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Education

2018: PhD Wood Science, *Oils colored with wood-staining fungal pigments: Color loss, oxidation, and structural breakdown* – Oregon State University, Corvallis, OR

2015: M.S. Wood Science, *A comparative analysis of extracted fungal pigments and commercially available dyes for colorizing textiles* – Oregon State University, Corvallis, OR

2013: B.F.A. Art & Design/Fiber Arts, summa cum laude – Finlandia University, Hancock, MI

Professional Experience

October 2013 – current: **Graduate Research Assistant**, Applied Mycology Lab, Oregon State University, Corvallis, OR

January 2017 – March 2017, January 2018 – March 2018: **Instructor of Record**, Renewable Materials in the Modern Age, Oregon State University, Corvallis, OR

October 2013 – December 2016: **Teaching Assistant**, Renewable Materials in the Modern Age, Oregon State University, Corvallis, OR

February 2013 – March 2013: **Intern**, Applied Mycology Lab, Oregon State University, Corvallis, OR

January 2013 – April 2013: **Teaching Assistant**, Art History II, Finlandia University, Hancock, MI

January 2013 – April 2013: **Teaching Assistant**, Contemporary Criticism, Finlandia University, Hancock, MI

January 2012 – May 2012: **Residence Hall Coordinator**, Finlandia University, Hancock, MI

February 2010 – April 2013: **Studio Assistant**, Fiber Studio, Finlandia University, Hancock, MI

Courses Taught

Renewable Materials in the Modern Age (Honors course), Oregon State University, Instructor

Publications

Peer Reviewed

Hinsch, E., Robinson, S.C. 2018. Comparing Colorfastness to Light of Wood-Staining Fungal Pigments and Commercial Dyes: An Alternative Light Test Method for Color Fastness. *Coatings* 8(189):12.

Hinsch, E., Robinson, S.C. 2016. Mechanical color reading of wood-stained fungal pigment textile dyes: An alternative method for determining colorfastness. *Coatings* 6(3):25.

Hinsch, E., Weber, G., Chen, H-L, Robinson, S.C. 2015. Colorfastness of extracted wood-staining fungal pigments on fabrics – a new potential for textile dyes. *Journal of Textile Apparel, Technology and Management* 9(3):1-11.

Weber, G., Chen, H. L., Hinsch, E., Freitas, S., & Robinson, S. 2014. Pigments extracted from the wood-staining fungi *Chlorociboria aeruginosa*, *Scytalidium cuboideum*, and *S. ganodermophthorum* show potential for use as textile dyes. *Coloration Technology*, 130(6), 445-452.

Robinson, S. C., Weber, G., & Hinsch, E. (2014). Inducing zone lines and melanin formation for decorative purposes on North American western wood species, with emphasis on conifers. *International Wood Products Journal*, 5(4), 196-199.

Robinson, S.C., Weber, G., Hinsch, E., Vega Gutierrez, S., Pittis, L., Freitas, S. 2014. Utilizing extracted fungal pigments for wood spalting – a comparison of induced fungal pigmentation to fungal dyeing. *Journal of Coatings*, article ID 759073, doi: 10.1155/2014/759073.

Robinson, S.C., Hinsch, E., Weber, G., Leipus, K., Cerney, D. 2014. Wood colorization through pressure treating: The potential of extracted pigments from spalting fungi as a replacement for woodworkers' aniline dyes. *Materials* 7(8):5427-5437; doi: 10.3390/ma7085427.

Robinson, S.C., Hinsch, E., Weber, G., Freitas, S. 2014. Method of extraction and resolubilization of pigments from *Chlorociboria aeruginosa* and *Scytalidium cuboideum*, two prolific spalting fungi. *Coloration Technology* 103:221-225.

Publications – Books and Book Chapters

Hinsch, E., Robinson, S.C. 2017. Fungal pigments as textile dyes. In *Handbook of Textile Coloration and Finishing*, Eds. M Shahid, Ren-Cheng Tang, Guoqiang Chen. Studium Press.

Robinson, S.C., Michaelsen, H., Robinson, J. 2016. *Spalted Wood. The History, Science, and Art of a Unique Material*. Schiffer Publishing (Contributor) .

Publications - Conference Papers / Presentations

Hinsch, E., Robinson, S.C. 2017. A comparative analysis of extracted fungal pigments and commercially available dyes for colorizing textiles. Presented at the Second International Conference on Mycology and Mushrooms, Chicago, IL. (talk).

Reviewer For

Coloration Technology

Wood Science and Technology

Lectures/Presentations

Second International Conference on Mycology & Mushrooms, Chicago, IL, September 2017 (Presenter and Moderator)

Manufacturing with Renewable Materials, Oregon State University, Guest Lecturer, Spring 2017

Materials Research Society, Oregon State University, Presenter, April 2014

Renewable Materials in the Modern Age, Oregon State University, Guest Lecturer, December 2013, November 2014

Exhibitions/Fashion Shows

2013 BFA Exhibition – Finlandia University Gallery; **invitational**, Hancock, MI, 2013

Thank You, Barbara L. Kuhlman – Reflections Gallery; **invitational**, Hancock, MI, 2012

Muoti, Finlandia University; **invitational**, Hancock, MI, 2012

Muoti, Finlandia University; **invitational**, Hancock, MI, 2011

Muoti, Finlandia University; **invitational**, Hancock, MI, 2010

Volunteer Work

Wood Magic, Oregon State University, October 2013, October 2014

On Approval, Sir George, Hancock, MI, October 2011

The Bread of Niskavuori, Matti, Hancock, MI November 2010

Memory Walk for Alzheimer's, Volunteer, Hancock, MI, September 2010

Storylines by Mary Wright, Sewer and Setup, Hancock, MI, Summer 2010

Northern Great Lakes Synod Assembly, Volunteer, Hancock, MI, May 2010

Clubs/Organizations

Professional Development Committee, Department of Wood Science and Engineering, October 2014 - 2016

Xi Sigma Pi, National Forestry Honors Fraternity, 2014 - present

American Association of Textile Chemists and Colorists, 2014 – 2017

International Textile and Apparel Association, 2014 - 2015

Coalition of Graduate Employees, Oregon State University, 2013 - 2015

Board of Directors, Coppery Country Community Arts Council, President 2012 – 2013

Northernwefts Weavers' Conference, Web Chair, 2011

Finlandia Fiber Society, Founder, 2010 – 2012

Finlandia University Student Senate, Campus and Community Events Coordinator, 2011-12

Finlandia Pride Alliance, Student Leader, 2010 - 2012

Finlandia University Student Senate, Non-Traditional Student Representative, 2010-11

Awards/Scholarships

College of Forestry Dean's Distinguished Graduate Student Fellowship, 2016-17, Oregon State University

Provost's Distinguished Graduate Student Fellowship, 2015-16, Oregon State University

Mary McDonald Fellowship, 2014-15, Oregon State University

Student Representative, 2013, Finlandia University

Sampo Award, 2013, Finlandia University

Philip and Loree Ruppe Award for Campus and Community Service, 2012, Finlandia University

Dean's List, 2010, 2011, 2012, 2013, Finlandia University

Barbara L. Khulman Fiber Arts Scholarship, 2010, 2011, 2012, Finlandia University

Finlandia University Faculty Scholarship, 2009-10, 2010-11, 2011-12, 2012-13, Finlandia University