Jennifer E. Mihalick

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EDUCATION

1985 - 1991	Stanford University	Ph. D. in Physical Chemistry
1981 - 1985	Princeton University	A. B. in Chemistry, *magna cum laude*

HONORS, AWARDS AND SCHOLARSHIPS

1986	National Science Foundation Graduate Fellowship
1985	Induction into Sigma Xi, the Scientific Research Honor Society
1981	National Merit Scholarship

PROFESSIONAL EXPERIENCE

2015 - present	Professor of Chemistry, University of Wisconsin Oshkosh
2019 - 2022	Co-chair, Department of Chemistry, University of Wisconsin Oshkosh
2013 - 2019	Chair, Department of Chemistry, University of Wisconsin Oshkosh
2010 - 2013	Co-chair, Department of Chemistry, University of Wisconsin Oshkosh
2009 - 2014	Director, University of Wisconsin System Women & Science Program
1999 - 2015	Associate Professor of Chemistry, University of Wisconsin Oshkosh
1993 - 1999	Assistant Professor of Chemistry, University of Wisconsin Oshkosh
1991 - 1993	Camille and Henry Dreyfus Fellow, Franklin & Marshall College
1986 - 1991	Graduate research assistant, Stanford University
1985 - 1986	Teaching assistant, Stanford University
Summer 1985	Research assistant, Xerox Corporation's Webster Research Lab, New York
Summer 1984	Research assistant, Hoechst Corporation, Hoechst, Germany

COURSES TAUGHT

General, Organic and Biochemistry I
Introduction to the Chemistry of Materials
General Chemistry I and II
Physical Chemistry I and II

PUBLICATIONS

J. Mihalick. Solubility Activity. *POGIL Activity Clearinghouse*, **4**(1), 2023.

J. E. Mihalick. *The Chemistry of Materials and their Role in a Sustainable Society*. Linus Learning; in press, 2023.

J. E. Mihalick. "Using Examples from Art and Archaeology to Demonstrate the Chemistry of Materials in a General Education Course." *Contextualizing Chemistry through Art and Archaeology: Inspiration for Faculty*. ACS Symposium Series, American Chemical Society: Washington DC, 2021.

E. Winterrowd, J. E. Mihalick, A. Jayne, "Promoting Faculty Careers at Predominantly Undergraduate Institutions to Female Postdoctoral Scholars through a Visiting Seminar Program." *Journal of Women and Minorities in Science and Engineering* 27, 61-78 (2021).

E. Winterrowd, J. E. Mihalick, T. Brace, M. E. Coleman, A. Lyons*, A. Jayne*. "Building an 'Old Girls' Network in Academic Science, Technology, Engineering, and

Mathematics." *Academic Labor Beyond the College Classroom: Working for Our Values*. H. Hassel and K. Cole, eds., Routledge: New York, 2019.

J. R. Considine, J. E. Mihalick, Y. R. Mogi-Hein, M. W. Parks, P. M. Van Auken. "How Do You Achieve Inclusive Excellence in the Classroom?" *New Directions for Teaching and Learning*, 151, 171-187 (2017).

J. R. Considine, J. E. Mihalick, Y. R. Mogi-Hein, M. W. Parks, P. M. Van Auken. " 'Who am I to bring diversity into the classroom?' Learning Communities wrestle with creating inclusive college classrooms." *Journal of the Scholarship of Teaching and Learning* **14**, 18-30 (2014).

J. E. Mihalick, K. M. Donnelly. "Cooking up colors from plants, fabric and metal." *J. Chem. Educ.* **84**, 96A (2007).

J. E. Mihalick, K. M. Donnelly. "Using metals to change the colors of natural dyes." *J. Chem. Educ.* **83**, 1550-1551 (2006).

D. L. Parker, J. E. Mihalick, J. L. Plude, M. J. Plude, T. P. Clark*, L. Egan, J. J. Flom*, L.C. Rai, H.D. Kumar, "Sorption of metals by extracellular polymers from the cyanobacterium *Microcystis aeruginosa* f. *flos-aquae* strain C3-40." *J. Applied Phycology* **12**, 219-224 (2000).

J. E. Mihalick, W. P. Griffiths III*, J. E. Muten*, T. A. Olson*, J. B. Hein*, "Thermochemistry of Binding of Lead (II) and Cadmium (II) by Saccharides in Aqueous Solution." *J. Solution Chem.* **28**, 1025-1036 (1999).

J. E. Mihalick, G. G. Gatev, J. I. Brauman, "Electron Photodetachment Spectroscopy of Solvated Anions: RO.HF- or ROH.F-?" *J. Am. Chem. Soc.* **118**, 12424-12431 (1996).

J. N. Spencer, J. E. Mihalick, I. M. Paul*, B. Petigara*, Z. Wu*, S. Chen*, and C. H. Yoder, "Complex formation between alpha-cyclodextrin and amines in water and DMF solvents." *J. Solution Chem.* **25**, 747-756 (1996).

J. N. Spencer, J. DeGarmo*, I. M. Paul*, Q. He*, X. Ke*, Z. Wu*, C. H. Yoder*, S. Chen*, J. E. Mihalick, "Inclusion Complexes of Alcohols with α-Cyclodextrin." *J. Solution Chem.* **24**, 601-609 (1995).

C. H. Yoder, J. E. Mihalick, W. J. Kowalski*, J. B. Ealy, J. N. Spencer, C. D. Schaeffer, J. L. Green*, K. J. Sullivan*, C. S. Yoder, L. C. Prokop*, "The Synthesis, Structure and Lewis Acidity of Bidentate Organotin Alkanes and Carboxylates." *Main Group Metal Chemistry* **18**, 43-50 (1995).

J. N. Spencer, J. E. Mihalick, I. M. Paul*, W. J. Nicholson*, T. J. Nicholson*, X. Ke*, Q. He*, S. E. Daniels*, L. J. Fenton, J. L. Ealy, S. Puppala*, and C. H. Yoder, "Solvent Effects on Host-Guest Complexation." *J. Solution Chem.* **23**, 711-719 (1994).

B. D. Wladkowski, A. L. L. East, J. E. Mihalick, W. D. Allen, J. I. Brauman, "The Proton Transfer Surface of CH_3OHF-." *J. Chem. Phys.* **100**, 2058-2088 (1994).

J. N. Spencer, J. E. Mihalick, T. J. Nicholson*, P. A. Cortina*, J. L. Rinehimer*, J. E. Smith*, X. Ke*, Q. He*, S. E. Daniels*, S. Puppala*, J. L. Ealy, L. J. Fenton, W. J. Nicholson*, I. M. Paul*, and C. H. Yoder, "Comparison of Macrocyclic Effect for Ether Hosts in Aqueous and Organic Solvents." *J. Phys. Chem.* **97**, 10509-10512 (1993).

J. N. Spencer, T. F. Ganunis*, A. I. Zafar*, S. Puppala*, J. L. Ealy, L. J. Fenton, S. Gupta*, C. H. Yoder, J. E. Mihalick, "Hydrogen Bond Formation to Cyclic and Acyclic Polyethers." *J. Solution Chem.* **21**, 1005 (1992).

J. N. Spencer, A. I. Zafar*, T. F. Ganunis*, C. H. Yoder, L. J. Fenton, J. L. Ealy, S. Gupta*, C. M. Salata*, I. M. Paul*, W. J. Nicholson*, J. E. Mihalick, "Thermodynamic Parameters for Polyether Adducts with Neutral Molecules." *J. Phys. Chem*. **96**, 3475 (1992).

Z.G. Soos, S. Kuwajima, and J.E. Mihalick*, "Ground-state alternation and excitation

energy of S = 1/2 linear Heisenberg antiferromagnets." *Phys. Rev. B* **32**, 3124 (1985).

ORAL AND POSTER PRESENTATIONS

J. E. Mihalick, Introduction to the Chemistry of Materials: a sustainability-themed general education course. ACS Green Chemistry & Engineering Conference, Atlanta 6/24 and Biennial Conference on Chemical Education, Lexington KY 7/24.

J. E. Mihalick, Investigation of Bath Bomb Kinetics as an Inquiry or Research Experience for Chemistry Students at Different Levels. UW System Chemistry Faculties Meeting, Madison, 11/23 and Biennial Conference on Chemical Education, Lexington KY 7/24.

J. E. Mihalick, Using Art and Archaeology to Demonstrate the Chemistry of Materials in a General Education Course. 2022 Biennial Conference on Chemical Education, Purdue 8/22.

J. E. Mihalick, E. Winterrowd. Introducing Postdoctoral Scholars to Careers at Primarily Undergraduate Institutions through a Visiting Seminar Program. 2022 Biennial Conference on Chemical Education, Purdue 8/22.

J. E. Mihalick. Discovering intermolecular forces with fibers and dyes. Abstract accepted for 2020 Biennial Conference on Chemical Education, American Chemical Society (cancelled due to pandemic).

J. E. Mihalick. How do people understand and create a more sustainable world? Abstract accepted for 2020 Biennial Conference on Chemical Education, American Chemical Society (cancelled due to pandemic).

J. E. Mihalick, E. Winterrowd. "Preparing Postdoctoral Scholars for Careers at Primarily Undergraduate Institutions via a Seminar Series." Sigma Xi Annual Meeting and Student Research Conference, Madison 11/19

J. E. Mihalick, "Introduction to the Chemistry of Materials for non-science majors." Biennical Conference on Chemical Education, Notre Dame 7/18.

J. E. Mihalick, "Useful resources for developing chemistry case studies." Biennical Conference on Chemical Education, Notre Dame 7/18.

E. Winterrowd, J. Mihalick, "Lessons Learned from Five Years of Consortium Programming Targeting Postdocs and Female Faculty at Primarily Undergraduate Institutions." NSF ADVANCE/GSE Workshop, Washington DC, 10/17.

A. Maher*, J. E. Mihalick, "Effects of Polymers on Viscosity and Adhesion of Silica to Nonporous Surfaces." UW System Chemistry Faculties Meeting, UW Milwaukee, 9/17.

J. Schuttlefield Christus, J. Mihalick, J. Eells, K. Sargent. "UW System Women and Science Program: Celebrating 20 Years of Promoting Diversity, Equity, and Excellence." 4W Summit on Women, Gender and Well-being/Wisconsin Women and Gender Studies Conference, Madison WI, 4/17.

T. Brace*, M. E. Coleman*, E. Winterrowd, J. E. Mihalick, "The Road to Academia: Post-Doctoral Scholars in STEM." UW System Chemistry Faculties Meeting, UW Madison 10/15.

E. Winterrowd, T. Brace, M. Coleman*, J. Mihalick, "Changing Trajectories of Senior Female Faculty through Horizontal Mentoring." NSF ADVANCE/GSE Workshop, Baltimore 6/15.

J. E. Mihalick, "Teaching the history of civilization with the chemistry of materials." Biennial Conference on Chemical Education, Grand Valley State 8/14.

E. Winterrowd, J. E. Mihalick. "Recruitment of Post-Doctoral Women in Science to UW-System Comprehensive Universities." UW System Women & Science Program Spring Conference, Wisconsin Dells 6/14.

J. E. Mihalick, E. Winterrowd. "Building Networks for Women in Science." 2014 NSF ADVANCE Program Workshop, Alexandria VA 3/14

S. Bryant, M. Hurtado Gómez, J. E. Mihalick, "Consortiums and Multi-Institutional Studies." Panel discussion, 2014 NSF ADVANCE Program Workshop, Alexandria VA 3/14

E. Winterrowd, J. E. Mihalick. "Mentoring women in science: Lessons learned from two programs targeting recruitment, retention, and advancement of female STEM faculty at primarily undergraduate institutions." National Association for Women in Psychology Conference, Columbus, Ohio 3/14

J. E. Mihalick, "Inclusive Excellence supported by learning communities." UW System Women & Science Program Spring Conference, Wisconsin Dells.

J. Considine, J. E. Mihalick, Y. Mogi-Hein, V. Foss, E. Winterrowd. "Learning communities wrestle with creating inclusive college classrooms." University of Wisconsin System's Office of Professional and Instructional Development Spring Conference, Madison, 4/13.

J. E. Mihalick, "Materials Science Experiments for Non-majors." Division of Chemical Education and Sci-Mix, American Chemical Society National Meeting, New Orleans, 4/13 and UW System Chemistry Faculties Meeting, River Falls, 10/13.

E. Winterrowd, A. Lyons*, J. E. Mihalick, "Evaluating two programs for advancing post-doctoral and faculty women in STEM." National Multicultural Summit, Houston TX 1/13.

J. Considine, J. Mihalick, Y. Mogi-Hein, M. Parks, P. Van Auken, "Inclusive Excellence in Learning Communities." ISSOTL, Hamilton, Ontario 10/12

J. Considine, J. E. Mihalick, Y. Mogi-Hein, M. Parks, P. van Auken, "SoTL Scholars and College of Letters and Science Instructors Working Toward Inclusive Excellence." Oshkosh, 4/12.

J. E. Mihalick, "Advancing Women in Science and Engineering in the UW System." UW System Chemistry Faculties Meeting, UW Stout, 10/11.

J. E. Mihalick, “Introduction to the Chemistry of Materials: an Interdisciplinary Course Bringing Current Research to Non-science Majors.” UW Colleges Best Practices in STEM Teaching Conference, Baraboo 8/10.

Women in Science at Princeton's panel discussion "Extreme Jobs: Preparing for a Career in Science, Before, During and After Princeton." Princeton NJ, 5/10.

J. E. Mihalick, M. Briley, A. Haffa, J. Wenner. UW System Women & Science Program panel discussion "Preparation of Broader Impact Statements for NSF Proposals", Oshkosh, 2/10.

J. E. Mihalick, L. Nguyen, J. N. Michalkiewicz, A. D. Loken, C. S. Polster, "Spectroscopic and Calorimetric Studies of Metallic Mordants with Natural Dyes and Fibers." American Chemical Society National Meeting, San Francisco, 3/10.

J. E. Mihalick, "Student reflections on multiple ways of learning." American Chemical Society National Meeting, San Francisco, 3/10; Chemistry Department Seminar, 4/10; UW System President's Summit on Excellence in Teaching and Learning, Madison, 4/10; UW Colleges Best Practices in STEM Teaching Conference, Baraboo 8/10.

J. E Mihalick, "UW System Women & Science Program" presented at UW System Liberal Arts and Sciences Deans Meeting, Green Bay and at UW Chemistry Faculties Meeting, Parkside, 10/09.

J. E. Mihalick, S. K. Neuendorf, "Using Clickers for Assessment of Student Learning in General Chemistry." Passport 2 Technology, UW Oshkosh, 3/09.

J. E. Mihalick. "Alchemy and the Tempest." Dean's Symposium, UW Oshkosh, 10/07.

J. E. Mihalick. "Collecting data on student learning and using it to improve a chemistry program." Invited presentation for Division of Chemical Education's symposium "Development and Implementation of Learning Objectives in Chemistry Departments: A View of Progress at a Myriad of Institutions", ACS National Meeting, Chicago, 3/07.

"Exploring Student Preconceptions about Gender & Majors," Provost's Teaching and Learning Summit, UW Oshkosh, 11/06.

J. E. Mihalick, C. S. Polster*, "The Effect of Metals on a Natural Dye." UW System Chemistry Faculties Meeting, Oshkosh, 10/06.

J. E. Mihalick, L. A. Miller*, A. L. Schultz. "Calorimetric Studies of Metal Binding by Polysaccharides." UW System Chemistry Faculties Meeting, Oshkosh, 10/06.

J. E. Mihalick, S. Neuendorf, "Using Response Systems (clickers) in General Chemistry Classes." UW System Chemistry Faculties Meeting, Oshkosh, 10/06.

J. E. Mihalick, L. A. Miller*, A. M. Fox*, "Thermochemistry in Environmental/ Biogeochemical Research: Metal Binding by Polysaccharides." Physical Chemistry Division, American Chemical Society National Meeting in San Diego; also selected by the Division for presentation at the interdivisional "Sci-Mix", 3/05

J. E. Mihalick, L. A. Miller*, A. M. Fox*, "Thermochemistry of Metal Ion Binding by Polysaccharides." UW System Chemistry Faculties Meeting, Milwaukee; and Aquatic Research Expo, Earth Charter Summit, Oshkosh, 10/04.

J. E. Mihalick, A. M. Fox*, "Thermochemistry of Metal Ion Binding by Polysaccharides." Great Lakes Regional Meeting of the American Chemical Society, 5/03.

J. E. Mihalick, "Thermochemistry of Heavy Metal Binding by Saccharides." Invited seminar, Department of Chemistry, Northern Michigan University, 11/01.

J. E. Mihalick, "Creative Writing Assignments in Chemistry." Project Kaleidoscope Faculty for the 21st Century National Assembly, Madison 10/01.

J. E. Mihalick, A. M. Fox*, "Testing Computer Models of Metal–Saccharide Binding Energies." Great Lakes Regional Meeting of the American Chemical Society, Grand Rapids, 6/01.

J. E. Mihalick, "Thermochemistry of Heavy Metal Binding by Saccharides." Chemistry Department Seminar, University of Wisconsin Oshkosh 10/98.

J. E. Mihalick, W. P. Griffiths III*, M. W. Copeland*, R. A. Belling*, J. E. Muten*, T. A. Olson*, K. T. Gehrke*, D. A. VanderGalien*, J. J. Flom*, J. Beaulieu*, T. P. Clark*, M. J. Plude, J. L. Plude. "Thermochemistry of Heavy Metal Binding by Cyanobacterial Polysaccharide." American Chemical Society National Meeting, Boston 8/98 and Great Lakes Regional Meeting of the American Chemical Society, Milwaukee 6/98.

J. E. Mihalick, "Moving Beyond Textbooks for Intellectual Leadership." Leadership Experience and Development Program, University of Wisconsin Oshkosh 9/97.

J. E. Mihalick, J. M. Borisch*, M. A. Fredrick*, J. B. Hein*, "Thermochemistry of Amino Acid Recognition by Model Glycoprotein Receptors." Division of Physical Chemistry, American Chemical Society National Meeting, Chicago 8/95.

J. E. Mihalick, "Preparing Dreyfus Fellows for the Job Market." Symposium on the Camille and Henry Dreyfus Scholar / Fellow Program for Undergraduate Institutions, Division of Chemical Education, American Chemical Society National Meeting, San Diego 3/94.

J. E. Mihalick, C. H. Yoder, and J. N. Spencer, "Effects of Host Conformation on Thermodynamics of Host-Guest Complexation." Symposium on Main-Group Chemistry, Division of Inorganic Chemistry, American Chemical Society National Meeting, Chicago 8/93.

J. E. Mihalick, W. D. Allen, and J. I. Brauman, "Electronic Structure of a Solvated Anion: MeOHF-." Symposium on Reactive and Solvation Dynamics, Division of Physical Chemistry, American Chemical Society National Meeting, Boston 4/90.

EXTERNAL GRANTS

2011-17 Advancing Women in Science and Engineering in the University of Wisconsin

System. NSF ADVANCE PAID.

2010 Travel stipend from National Science Foundation to attend Nov. 7-9 2010 AWIS/NSF ADVANCE Program Workshop in Alexandria, VA.

2001-04 Acquisition of Calorimeters for Chemistry Research. National Science Foundation Major Research Instrumentation Grant (with C. Gibson).

1998-01 Thermochemistry of heavy metal binding by polysaccharide." American Chemical Society - Petroleum Research Fund: Type B Grant.

1995-98 Investigation of the complexation energetics of heavy metal cations by soft basic hosts. Petroleum Research Fund Type G "Starter" Grant.

1995 American Physical Society Laser Science Topical Group's visiting lecturer program. Travel expenses for S. J. Leone of U. Colorado (with J. Gutow, M. Passow).

1994-97 Thermochemical studies of host-guest complexation. Supplemental Award of the Camille and Henry Dreyfus Scholar / Fellow Program for Undergraduate Institutions.

INTERNAL GRANTS

2021-22 Adding Sustainability to a Textbook. UW Oshkosh Faculty Development Program.

2019-20 Improving the sustainability of a silica-based paint. UW Oshkosh Faculty Development Program.

2018-19 Formulation of novel glass coatings. Student Research Assistantship, UW Oshkosh Office of Student Research and Creative Activity.

2012-13 Preparation of metal oxide sol-gel solutions. UW Oshkosh STEP Proposal (with N. Stojilovic).

2011 Faculty College on Inclusive Pedagagogy. UW Oshkosh Faculty Development Program.

2011-12 Senior SoTL Scholar Learning Community: Investigating Inclusive Excellence. UW Oshkosh Center for Excellence in Teaching & Learning/OPID.

2009-10 Wisconsin Teaching Scholar

2009 Improving the Fastness of Natural Dyes to Fabrics. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with L. Nguyen*).

2008 Creating Sol-Gel Cages for Dyes. UW Oshkosh Faculty Development Program.

2007 A Comparison of the Structures and Reactivities of Flavonoids. UW Oshkosh Student Compact Small Grant (with A. Loken*).

2007-08 Chemistry of Materials Textbook. UW Oshkosh Faculty Development Program - Sabbatical Component.

2006 Chromatography of Marigold Extracts. UW Oshkosh Student Compact Small Grant (with C. Polster*).

2005 Using clickers for assessment of student learning in General Chemistry. Student Response System Curricular Redesign Grant, UW System (with S. Neuendorf).

2004-05 Spectroscopic and Calorimetric Studies of Metallic Mordants. UW Oshkosh Faculty Development Program.

2002 Energetics of Iron Binding by Sugars. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with L.Miller*).

2001-02 Exploring the Chemistry of Fabric Modification. UW Oshkosh Faculty Development Program (with K. Donnelly).

2000-01 Testing Computer Models of Metal–Saccharide Binding Energies. UW Oshkosh Faculty Development Program.

1999 Energy Changes in Manganese Binding by Sugars. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with A. Fox*).

1999 The structure of a natural polymer. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with J.Wagner*).
1998 Predicting the ability of a natural polymer to acquire heavy metals. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with J. Beaulieu*).
1997 Energetics of binding of heavy metals by polysaccharides. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with R. Belling*).
1997 Energy changes in saccharide - metal interaction. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with T. Olson*).
1997 University of Wisconsin System Laboratory Modernization Grant for Physical Chemistry Laboratory (with J. Gutow).
1995 Amino acid recognition by model glycoprotein receptors. UW Oshkosh Faculty & Undergraduate Student Research Collaboration Grant (with J. Hein*).
1995 The role of an abundant natural biopolymer in the transport and fate of toxic metals in Wisconsin lakes and rivers. UW Oshkosh Faculty Development Program (with J. Plude and D. Parker).
1993 A thermochemical study of amino acid recognition. UW Oshkosh Faculty Development Program.

ACADEMIC SERVICE

2023 - present Faculty Development Board (chair, 2024-2025)
2020 - 2022 COLS Tenure & Renewal Committee (chair, 2021-2022)
2014 - present UW System Women & Science Program Advisory Board
2014 USP Director Search & Screen Committee
2012 - 2017 University Studies Program Committee
2011 - 2012 General Education Reform Team
2011 - 2015 Inclusive Excellence Council
2010 - 2012 Advisory Council for Academic Advising
2009 - 2017 College of Letters & Science Equity, Diversity, and Inclusive Climate Committee
2009 - present Reviewer for UW Oshkosh Student/Faculty Collaborative Grants Program
2009 - 2011 Steering committee and STEM proposal review committee, UW System President's Summit on Excellence in Teaching and Learning
2008 - 2012 College of Letters and Science Faculty Committee (co-chair '10-'11)
2004 - 2008 Judge for UW Oshkosh Celebration of Scholarship
2003 - 2007 NCA-HLC Preparation Subcommittee for Criterion Three, Student Learning and Effective Teaching
2002 - 2003 UW Oshkosh Faculty Compact Task Force
2000 - 2002 College of Letters and Science Faculty Committee (chair '01-'02)
2000 Judge for UW Milwaukee Chemistry Poster Competition
1999 - 2007 Faculty Senate Committee on Assessment of Student Learning (chair, 2000-2002 and 2003-2006)
1999 - 2000 Steering Committee, 30th Annual Wisconsin Undergraduate Research Symposium in Chemistry, Oshkosh
1996 - present Reviewer for UW Oshkosh Faculty Development Program
1995 - 2000 Faculty advisor to Chemistry Mentor/Tutor program
1995 - present Department of Chemistry webmaster

WORKSHOP CONTRIBUTIONS

7/19 Panelist for "Faculty Expectations", "Negotiating Job Offers", and "Navigating Difficult

Situations", ACS Postdoc to Faculty Program, Atlanta

5/16 "Lab Girls: Establishing and enhancing professional presence" and "Creating a productive and inclusive academic environment," NSF ADVANCE horizontal mentoring meeting, Wisconsin Dells.

8/14 Presenter at cCWCS Chemistry & Art Mini-workshop "Teaching Basic Chemistry Through Artists' Materials." Biennial Conference on Chemical Education, Grand Valley State MI

09-13 Organized annual Opening Workshops on Inclusive Teaching Methods for New STEM Faculty and presented sessions:
"Composing a Course." Opening Workshop, 9/10, 9/12, 10/14.
"POGIL Activity" with B. Fetterly, Opening Workshop, 9/09, 9/11
"Reducing Stereotype Threat." Opening Workshop, 9/13
"Experiments in the Classroom: Assessment and the Scholarship of Teaching and Learning" with D. Buechler, Opening Workshop, 9/13

4/13, 1/15. "Designing Engaging Courses" with E. Brunsell. STEM Best Practices in Gateway Courses series, UWO Center for Excellence in Teaching and Learning.

1/14 "Writing in the Introductory Science Lab." COLS STEM Workshop

1/12 Arranged UW Oshkosh Faculty College on Inclusive Pedgagogy by Dr. Craig Nelson.

4/11 "Implicit Bias in STEM Fields." UW System President's Summit on Teaching & Learning, Madison

9/10 Hosted audioconference "More Options for Women in Science." UW Oshkosh.

8/10 Led sessions on "Applications of Process Oriented Guided Inquiry Learning" and "Methods for Creating Functional Student Groups," UW Colleges Best Practices in STEM Teaching Conference, Baraboo.
"The Learning Cycle" and "The Human Element". Opening Workshop, Green Lake 9/09

6/09 Best Practices: "Clickers in Large Classes" and "Lab Report Rubric." WTFS Summer Institute, Madison.

11/06 Discussion leader for "Exploring Student Preconceptions about Gender & Majors," Provost's Teaching and Learning Summit, Oshkosh.

10/06 Discussion leader for session on "Assessment of Student Learning." UW Chemistry Faculties Meeting, Oshkosh.

6/05 Led session on "Collaborative Learning in General Chemistry," CAPP Chemistry Workshop for high school teachers, Oshkosh.

10/99 Presenter at "Exploring Ways to Assess Student Learning." UW Oshkosh.

OTHER PROFESSIONAL ACTIVITIES

2011 - 2017 Managed NSF ADVANCE Postdoctoral Scholar Seminar Program for UW System comprehensive institutions

2013 - 2015 External Advisory Committee, UW River Falls's NSF STEP–supported "GREAT (Graduate-Retain-Engage-Advise-Team Learning) Falcon Project"

OUTREACH ACTIVITIES

5/16,5/18,5/19 College Day for Kids (gifted & talented 5th graders)

4/16 Hosted industry focus group for Regional Materials & Manufacturing Network

3/15 Judge for Sigma Xi Student Research Showcase (online)

PROFESSIONAL SOCIETIES

1984 - present American Chemical Society,

	Divisions of Physical Chemistry and Chemical Education
1994 - 1996	Program Committee, Northeast Wisconsin Section
1999 - 2001	Secretary – Treasurer, Northeast Wisconsin Section
2023 - 2025	Program Co-chair, 2025 Great Lakes Regional Meeting
1985 - 2022	Sigma Xi, the Scientific Research Honor Society
2018 - 2019	Program Committee, 2019 Sigma Xi Annual Meeting
2012 - 2022	President, UW Oshkosh chapter
2011 - 2012	President – elect, UW Oshkosh chapter
1991 - 2014	Council on Undergraduate Research
1997 -	Project Kaleidoscope's Faculty for the 21st Century
	co-organizer of spring 1998 midwest regional meeting