

CANDICE E. FULTON

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Education:

University of North Texas, Denton, Texas, M.S. in Chemistry (1996)

Area of Specialization: Natural Philosophy. Research in dielectric properties of polymers: major professor - Dr. Witold Brostow

Midwestern State University, Wichita Falls, Texas, B.S. in Chemistry, Mathematics (1993)

Faculty Development: EDUC 5053 and EDUC 6753 (Introduction to Research, Applied Research) (2022-23)

Research in specificity and selectivity of a coagulating enzyme in *crotalus ruber ruber* venom: research under Dr. Rodney Cate

Southwestern Baptist Theological Seminary, Ft Worth, TX, 27 hours toward MDiv (2003-2007)

Work Experience:

Assistant Professor in Chemistry, Laboratory Coordinator: Midwestern State University, Wichita Falls, Texas (1995 - present).

- aided department in formulating and implementing ideas of how to successfully launch laboratory learning online during covid restrictions, DEI, and freshman success/retention endeavors
- coordinated and assisted in the writing of a current general chemistry and introductory chemistry laboratory manuals by the department.
- Hiring and teacher training of all the chemistry department's teaching assistants.
- Training of supplemental Instruction students and providing instructional material formatted to specifically address issues and problems in freshman chemistry classes.
- Aided in coordinating STEM speakers and implemented "Women in STEM Wednesdays"
- Began a campus collaboration to implement a retention program for female engineering majors
- Annual reports for American Chemical Society, WEAVE and state Core assessments in general chemistry laboratory and lectures
- Data collection and assessment of writing skills in the CHEM 1241 laboratory reports for the SACS report. (2012- 14)
- taught the first video tele-course in general chemistry at MSU

Teaching Responsibilities

- CHEM 1143, 1141, 1141 Honors – General Chemistry Lecture and Laboratory
- CHEM 1243, 1241 – General Chemistry II Lecture and Laboratory

Awards

- McCoy College of Science, Mathematics, and Engineering Excellence in Teaching (2023)
- MSU Student Government Faculty Member of the Year (2020)
- MSU Chemistry Department "Favorite Professor" (2013, 2023)

Research and Scholarly Activity

Presentations

- *DEIR Projects in Chemistry* ACT2 Conference, June 2022
- *Teaching Freshman Level Chemistry: A Multifaceted Approach* ACT2, June 2022
- *In the Lab: Safety, Set Up, and Creativity* Region IX Teacher K-12 Conference, June 2022
- *Increasing Chemistry Awareness for Students in Smaller Rural High Schools Through Summer Camp*, Southwest Regional ACS meeting, Ft Worth, TX, October, 2004

- *Using the Red River Regional Science Fair to Educate Students in Science and Mathematics*, The Rotary Club Wichita Falls, November, 2003.
- *The Enhancement of Career Opportunities and Scientific Literacy in Chemistry for Rural High School Students: Midwestern State University Chemistry Camp*, National ACS meeting, New Orleans LA, September, 1999

Service Learning Projects

- Instagram videos for City of Wichita Falls water treatment plant: history of disinfection (CHEM 1241);
- chemistry demonstration for teachers: collaboration with Education department (in process)(CHEM 1141)

Professional Society Memberships

- Iota Sigma Pi National Honor Society for Women in Chemistry (2022)
- American Chemical Society: Advisor (1998-2012) Government Liaison, National Chemistry Week Coordinator for Wichita Falls/Duncan Section, member (1998 – 2004, 2013-present)
- Associated Chemistry Teachers of Texas (2018-present)
- National Conference of Governor's Schools (2008)

Grants

- American Chemical Society grant to improve students' lab skills lost during covid \$3000 (2022)
- American Chemical Society SEED high school students in research grant (2003, 2023)
- HEAF grant for Vernier CHEM 1141/1241 laboratory computers and equipment \$40,000 (2014)
- Texas Higher Education Coordinating Board state grant for the Texas Governor's School summer camp \$162,000 (2008)
- The Camille and Henry Dreyfus Foundation – special projects in the chemical sciences grant for chemistry summer camp (summers 1999-2001) in chemistry to educate rural 1A/2A students about the opportunities and careers in chemistry and related fields
- ACS Innovative Activities grant to supplement costs of the MSU chapter of the ACS Student Affiliates' project entitled, "Chemistry at the Mall", ACS SEED grant for high school student research in chemistry (1999)
- Departmental/college grants for computers, travel, and chemistry camps.

Service

University

- Texas Women in Higher Education campus co-representative (2023)
- Women in STEM Wednesday Lecture Series Coordinator (2023 – present)
- American Chemical Society Student Affiliates advisor (1998 – 2004): national student organizational award recipients: 1998, 2001, 2002, 2003; faculty volunteer (2022–present)
- American Chemical Society SEED coordinator (2023)
- Campus Covid Safety Committee: implementation of campus protocols for safe return to part-time then full time return to campus. (2020-2022)
- Member and secretary to the MSU CORE committee: evaluation and guidance in core classes taught at the university (2018-present)
- Presenter, YES – Young Engineer's Camp (summers 2011-2021)
- Presenter, mentor MS&U girl's science camp (November 2019,2022)
- Presenter, BEST Geology Camp (summer 2018)
- Faculty co-advisor to the Sigma Phi Lambda sorority (2008 – 2016)
- Faculty advisor, Goldettes Dance group (2013-2016)
- Coordinating "Great Day of Service" committee and service project: 700 students in attendance (Apr 2008-2018), national recognition (2010), committee member (2022)
- Mentor to female science majors (2007 – present). Mentor to high school women wanting to pursue college (2020-21) Mentor to new high school chemistry teachers (2019 – 2021)
- Baptist Student Ministries volunteer (2005- 2009)
- Presenter/speaker for the back-to-school luncheon at the Baptist Student Ministries, (2004), "The Responsibility of Education". "Christian professors on campus interview" (2015)

Professional

- American Chemical Society Career Consultant (2022-present)
- University of North Texas Career Consultant (2022-present)
- Reader for the Chemistry AP exam (2008-22), Table Leader (2023)
- State of Texas master's degree in teaching math and science grant proposal committee (2008)
- Director of MSU CSI Forensics Science Camp (2006)
- Director of the MSU Chemistry Summer Camp (1999 – 2005).
- Science Fair Judge (1999 – 2001, 2007 - 9); Judge coordinator (2022 – present)
- Region IX Math and Science Conference planning committee member, presenter (2003)
- Farm and Safety Expo presenter- chemical safety (May 2003, 2004).

Community

- Red River Regional Science Fair Board member, secretary, Judge Coordinator (2022-present)
- Communities in Schools Greater Wichita Falls Area Board Member (2022 - present)
- Mentor to lower socioeconomic high school students: college advising and scholarship search
- Aided department in doing experiments, tours for high school students (2010, 2018, 2021-23)
- Sharp First generation scholarship co-founder, MSU (2022 - present)
- Texas Governor's School summer camp for advanced high school students – director, grant recipient (2008)
- Mission trips to Ecuador to aid in repairing a rural school (May 2008), Japan (June 2006)
- Red River Regional Science and Engineering Fair Director (2002 – 2007)
- Involvement in community service projects throughout the city (Habitat for Humanity, Faith Mission soup kitchen, natural disaster clean-up) through grants and director positions stated previously
- Bible study teacher for the College and Career department (July, 2005 – 15), College Director (2008 – 2015), Preteen director and teacher (June 2002 – 2005), hand bell choir member: Faith Baptist Church

Training and Certificates

- Title IX investigator training (2023)
- ESCALA Diversity in Teaching certificate (2023)
- EDUC 5053 (introduction to research), EDUC 6753 (applied research) for faculty development
- CITI Social and Behavioral Research training and Responsible Conduct training(2023 – 2026)
- Mental health First Aid Certification (2022 – 2025)
- Campus training includes EEO, Chemical Safety, Digital Security, Sexual and Child Abuse, COI
- Title IX/Clery Act Responsible Employee and CSA training
- Nonprofit Board member workshop (2022)
- American Chemical Society mentor and career consultant training (2022)
- American Chemical Society DEIR workshop (2021)
- Flinn Scientific Chemical Safety Training (7 hour course), GHS Training (2022- 2025)
- MSU Grant writing workshop (2022)