

Contact Information

Dr. Kristine Konkol

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Phone: 229-500-2316

Research Areas and Interests

Dr. Konkol has an extensive background in inorganic/organometallic/organic synthesis and instrumental characterization of fused-ring novel compounds and coordinating materials. Additionally, she does research on chemical history/technology. She enjoys mentoring students and helping them develop as scientists and critical thinkers.

Teaching

Dr. Konkol teaches in both the forensic science and chemistry programs, including such courses as: Intro to Forensic Science, Forensic Photography, Microscopy of Trace Evidence, Criminal Evidence and Court Procedure, Principles of Chemistry I and II, and Interm. Inorganic Chemistry.

Professional Experiences

Prior to coming to ASU, Dr. Konkol worked as a chemist in industry doing medical device testing. She also currently serves as the Communications Chair for the ACS HIST division. The American Chemical Society (ACS) is the largest professional organization of chemists in the world.

Publications

<https://www.researchgate.net/profile/Kristine-Konkol>

Konkol, K. L.; Rasmussen, S. C. Sterics vs Electronics: Revisiting the Catalytic Regioselective Hydrodebromination of 2,3,5-Triobromothiophene. *Organometallics* **2016**, 35 (18), 3234-3239.

Konkol, K. L.; Schwiderski, R. L.; Rasmussen, S. C Synthesis, Characterization, and Electropolymerization of Extended Fused-Ring Thieno[3,4-*b*]pyrazine-Based Terthienyls. *Materials* **2016**, 9 (6), 404.

Konkol, K. L.; Rasmussen, S. C. An Ancient Cleanser: Soap Production and Use in Antiquity. In *Chemical Technology in Antiquity*; Rasmussen, S. C., Ed.; ACS Symposium Series; American Chemical Society: Washington, DC, 2015; 1211, Chapter 9, pp 245-266.

Mulholland, M. E.; **Konkol, K. L.**; Anderson, T. E.; Schwiderski, R. L.; Rasmussen, S. C. Tuning the light absorption of donor-acceptor conjugated polymers: effects of side chains and 'spacer' units in thieno[3,4-*b*]pyrazine-fluorene copolymers. *Aust. J. Chem.* **2015**, *68*, 1759-1766.

Recent Grants

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Awards and Honors

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Education

Ph.D. Chemistry, North Dakota State University, August 2019

Synthesis and Design of Thiophene Materials: Effects of Ring Fusion and Metal Coordination

Advisor Seth C. Rasmussen, Ph.D.

B.A. Chemistry, University of Minnesota, Morris, May 2011

B.A. Spanish, University of Minnesota, Morris, May 2011