



Edith Preciosa Kippenhan, Dipl.Chem. is a Senior Lecturer and the General Chemistry Lab Coordinator in the Department of Chemistry & Biochemistry at The University of Toledo. She has been involved in chemical education as far back as she can remember. During her undergraduate studies at the University of Maryland in Munich, she taught high school chemistry and college level chemistry lab, and shortly after graduate school she taught science and education majors for Utah State University. At the University of Toledo she has taught Chemistry for the Health Sciences and Elementary Chemistry as well as General Chemistry recitations and labs.

During and after graduate school, Ms. Kippenhan was a Technical Translator and then Editor for the scientific journal, *Angewandte Chemie*. After graduate school she was the Laboratory Manager of the Quality Control laboratory for a pharmaceutical company in the Salt Lake City area. Her major responsibilities included development and method validation of new analytical methods on both HPLC and GC-MS equipment, quality control testing of manufactured product, testing of clinical samples, and the supervision of the quality control lab team.

After moving to Toledo, she became active in the local section of the American Chemical Society (ACS) where she served 15 years as an elected officer and Outreach Committee Chair. During this time National Chemistry Week grew from a weekend event at Franklin Park Mall to a weeklong event at Imagination Station, where hundreds of visiting children learn about a different area of chemistry each year. She has also served as the Chemists Celebrate Earth Day coordinator, working with the Toledo Metro Parks to spread the word about Earth Day and how chemistry is used to make our lives better and the environment cleaner.

Ms. Kippenhan is also the faculty advisor of the UT Student Chapter of the ACS (UT StACS). The award winning chapter presents many chemistry demo shows at area schools and libraries throughout the school year, organizes school visits to UT's campus and hosts a STEM summer camp. StACS members also work with local schools as science fair mentors and judges, present at the annual BGSU *STEM in the Park* outreach event, and attend (and win) area competitions with other ACS student chapters. She is currently Immediate Past-President of the Northwestern Ohio Chapter of the Association for Women in Science (AWIS-NWO), an organization whose flagship event is the annual daylong visit of STEM areas by women high school sophomores (WISDOM). She is also on the organizing committee for You Be The Chemist (YBTC), a middle school competition that encourages students to learn chemistry through fun activities.

She is a member of the American Chemical Society (ACS), Association of Women in Science (AWIS), National Science Teachers Association (NSTA) and the Society of College Science Teachers (SCST). She was a principal scientist with the NURTURES summer institute during their five-year grant during which she worked with teachers in grades pre-K to grade 3 to revise and improve their teaching of science to meet new national and state standards, and is continuing that work as part of the NURTURES II team.

Her wonder of the world, technological and engineering achievements, and how it all comes back to chemistry, is ever present in her teaching and outreach activities. She loves to work with students and help them to find their niche and sense of wonder in the sciences!

