Catharine is a Senior Technical Applications Chemist at Waters Corporation in Milford, MA where she works closely with technical experts in supercritical fluid separation, bio-botanical extraction, and chromatographic purification. Catharine received undergraduate degrees in Biological Science and Chemistry at the University of North Carolina at Chapel Hill, and her Master's degree at Western Connecticut State University. She began her career in Research and Development at a fast-paced, international contract research organization and drug development laboratory where she was responsible for the design of analytical methods used to characterize novel therapeutics formulated by key research organizations. Catharine later moved into large pharma where she dedicated several years developing analytical methods and implementing testing strategies for drug delivery devices and complex formulations in both the United States and Europe. She is most recently the author of "The Beginners Guide to Preparative Liquid Chromatography".