

**MARK A. SCHLAUTMAN** Professor

**EDUCATION** **University of Nebraska-Lincoln**, B.S., Chemical Engineering, 1984  
**California Institute of Technology**, M.S., Environmental Engineering Science, 1987  
**California Institute of Technology**, Ph.D., Environmental Engineering Science, 1992

**ACADEMIC EXPERIENCE** **Clemson University**  
2010-, Professor of Environmental Engineering and Earth Sciences  
2004-2010, Associate Professor of Environmental Engineering and Sciences  
2003-2004, Assistant Professor of Environmental Engineering and Sciences  
1999-2003, Assistant Professor of Biosystems Engineering and Environmental Toxicology  
**Texas A&M University**  
1994-1999, Assistant Professor of Environmental Engineering  
**University of Michigan**  
1999-2004, Postdoctoral Research Fellow in Environmental Engineering

**NON-ACADEMIC EXPERIENCE** **DALE Electronics, Inc.**  
1984-1986, Product Engineer

**CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS** Engineer-in-Training

**CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS** American Chemical Society, American Geophysical Union, Association of Environmental Engineering and Science Professors, American Water Works Association, Water Environment Federation, International Humic Substances Society of Environmental Toxicology and Chemistry, Soil Science Society of America, Water Environment Federation,

**HONORS AND AWARDS** National Science Foundation CAREER Award.  
Certificate of Excellence for Research Accomplishments, Clemson University.  
Board of Trustees Award for Faculty Excellence, Clemson University.

**SERVICE ACTIVITIES** Appointed Member of the Joint Task Group (JTG) for Section 5910 UV-Absorbing Organic Constituents for Standard Methods for the Examination of Water and Wastewater, 2005-.

Appointed Member of the Full Standard Methods Committee (SMC) for Standard Methods for the Examination of Water and Wastewater, 2005-.

**PRINCIPAL  
PUBLICATIONS OF LAST  
FIVE YEARS**

He, W; Chen, M; Schlautman, MA; Hur, J. Dynamic exchanges between DOM and POM pools in coastal and inland aquatic ecosystems: A review, *Science of the Total Environment*, **551**, 415-428 (2016).

Mikhailova, EA; Schlautman, MA; Darnault, CJG; Sharp, JL; Post, CJ; Hall, KC; Ouzts, EV; Barfield, MA. Effects of Compost on the Chemistry of an Urban Upper Piedmont South Carolina Soil, *Communications in Soil Science and Plant Analysis*, **46**, 2787-2797 (2015).

Lee, BJ; Schlautman, MA. Effects of Polymer Molecular Weight on Adsorption and Flocculation in Aqueous Kaolinite Suspensions Dosed with Nonionic Polyacrylamides, *Water*, **7**, 5896-5909 (2015).

Mwaanga, P; Carraway, ER; Schlautman, MA. Preferential sorption of some natural organic matter fractions to titanium dioxide nanoparticles: Influence of pH and ionic strength, *Environmental Monitoring and Assessment*, **186**, 8833-8844 (2014).

Mikhailova, EA; Goddard, MA; Post, CJ; Schlautman, MA; Galbraith, JM. Potential Contribution of Combined Atmospheric Ca<sup>2+</sup> and Mg<sup>2+</sup> Wet Deposition within the Continental US to Soil Inorganic Carbon Sequestration, *Pedosphere*, **23**, 808-814 (2013).

Nguyen, HVM; Lee, MH; Hur, J; Schlautman, MA. Variations in spectroscopic characteristics and disinfection byproduct formation potentials of dissolved organic matter for two contrasting storm events, *Journal of Hydrology*, **481**, 132-142 (2013).

Kreller, DI; Schlautman, MA; McGunigale, SL. Combined HPLC/HPSEC study of Suwannee River Fulvic Acid adsorptive fractionation on alpha-aluminum oxide, *Journal of Colloid and Interface Science*, **390**, 242-249 (2013).

Lee, BJ; Schlautman, MA; Toorman, E; Fettweis, M. Competition between kaolinite flocculation and stabilization in divalent cation solutions dosed with anionic polyacrylamides, *Water Research*, **46**, 5696-5706 (2012).

**PROFESSIONAL  
DEVELOPMENT  
ACTIVITIES**

Measuring learning: An alternate assessment of teaching effectiveness, OTEI workshop, Clemson University.  
Fundamentals of Effective Scientific Writing – Manuscripts and Grants, American Chemical Society.