

Curriculum Vitae

Name: Simon M. Mwongela

Address: Assistant Professor
Department of Chemistry
Kent State University
Kent, OH, 44242
Phone: (330)-672-9403, E-mail: smwonge1@kent.edu
Webpage: <http://www.personal.kent.edu/~smwongel/>

Education:

2005: Ph.D. Analytical Chemistry, Louisiana State University (LSU), Baton Rouge, LA
1997: B.Sc. Chemistry (honors), University of Nairobi, Nairobi, Kenya

Employment:

Jan. 14, 2007 Assistant Professor, Dept. of Chemistry, Kent State University, Kent, OH
2004 - 2006 Postdoctoral Scholar with Professor Nancy, L. Allbritton, M.D., Ph.D., Physiology & Biophysics, University of California-Irvine, Irvine, CA
2002 - 2004 Graduate Research Assistant, Dept. of chemistry, LSU, Baton Rouge, LA
1999 - 2001 Graduate Teaching Assistant, Dept. of chemistry, LSU, Baton Rouge, LA
1998 - 1999 High School Teacher, Nunguni High School, Nunguni, Kenya

Awards/Honors:

2007 Farris Family Innovation Award, Kent State University
2003 Dept. of Chemistry, LSU, Award for Superior Performance and Productivity in Chemical Research

Professional Society Membership

Member, American Chemical Society (ACS)
Member, National Organization of Black Chemists and Chemical Engineers (NOBCCHE)

Publications:

1. Mwongela, S.M., Lee, K., Sims, C., Allbritton, N. L., " Separation of Fluorescent Phosphatidyl Inositol-Phosphates by Capillary Electrophoresis" *Electrophoresis* 2007, 28, 1235–1242.
 2. Mwongela, S. M., Siminialayi, N., Fletcher, K. A., Warner, I. M. "A Comparison of Ionic Liquids to Organic Solvents for Chiral Separations in Micellar Electrokinetic Chromatography" *J. Sep. Sci.* 2007, 30, 1334 – 1342.
 3. Zhu, X., Kamande, M. W., Thiam, S., Kapnissi, C. P., Mwongela, S. M., Warner, I. M., "Open-Tubular Capillary Electrochromatography/Electrospray Ionization Mass Spectrometry Using polymeric Surfactant as a Stationary Phase Coating." *Electrophoresis*, 2004, 25, 562-568.
 4. Tarus, J., Simuli, L., Mwongela, S.M, Rezik, A., Morris, K., Numan, A., Fletcher, K. A., Warner, I. M. "Influence of the Polydispersity of polymeric surfactants on Enantioselectivity of Chiral Compounds in Micellar Electrokinetic Chromatography" *Langmuir* 2004 20, 6887-6895.
 5. Mwongela, S. M., Numan, A., Gill, N. L., Agbaria, R. A., Warner, I. M., "Separation of Achiral and Chiral Compounds Using Polymeric Surfactants and Ionic Liquids as Modifiers in Micellar Electrokinetic Chromatography." *Anal. Chem.*, 2003, 75(22), 6089-6096.
 6. Mwongela, S. M., Akbay, C., Zhu, X., Collins, S.; Warner, I. M., "Use of polysodium oleyl-L-leucylvalinate surfactant for the separation of chiral compounds in micellar electrokinetic chromatography" *Electrophoresis*, 2003, 24, 2940-2947.
-

Presentations:

1. Simon M. Mwongela, Katherine Lee, Christopher Sims, and Nancy L. Allbritton, " Separation of Fluorescent Phosphatidyl Inositol-Phosphates by Capillary Electrophoresis" The Pittsburgh Conference of Analytical and Applied Spectroscopy, Chicago, Illinois, February 25 - March 1, 2007.
2. Mary W. Kamande, Simon M. Mwongela, Linda S. Wabuye, and Isiah M. Warner, "Analytical Separations Using Polymer-Coated Capillaries and Polymeric Surfactants in Micellar Electrokinetic Chromatography." The Pittsburgh Conference of Analytical and Applied Spectroscopy, Orlando, Florida, February 27 - March 4, 2005
3. Xiaodong Huang, Kristel D. Arrington, Mary W. Kamande, Simon M. Mwongela, and Isiah M. Warner, "Chiral Capillary Electrochromatography Using Monolithic Column with Dynamically Modified Polymeric Surfactants." 229th American Chemical Society National Meeting, San Diego, CA, March 13-17, 2005

4. Simon M. Mwongela, Noreen Siminialayi, Xiaofeng Zhu, and Isiah M. Warner "Ionic Liquids as Modifiers in Micellar Electrokinetic Chromatographic Separation of Polycyclic Aromatic Hydrocarbons." The Pittsburgh Conference of Analytical and Applied Spectroscopy, Chicago, Illinois, March 7-12, 2004.
5. Isiah.M Warner, Simon M. Mwongela, Bertha Cedillo-Valle, and Rezik A. Agbaria, "Analytical Studies Using Ionic Liquids." 226th American Chemical Society National Meeting, New York, NY, September 7-11, 2003.
6. Simon M. Mwongela, Abdulqawi Numan, Rezik A. Agbaria, Nicole Gill, and Isiah M. Warner "Separation of Achiral and Chiral Compounds Using Polymeric Surfactants and Ionic Liquids as Modifiers in Micellar Electrokinetic Chromatography." The Pittsburgh Conference of Analytical and Applied Spectroscopy, Orlando, Florida, March 9-14, 2003.
7. Simon Mwongela, Cevdet Akbay and Isiah M. Warner, "The Use of Amino-based Polysodium oleyl-dipeptide Surfactants in the Separation of Chiral Compounds Using Micellar Electrokinetic Chromatography." The Pittsburgh Conference of Analytical and Applied Spectroscopy, New Orleans, Louisiana, March 17-22, 2002.
8. Simon Mwongela, Cevdet Akbay and Isiah M. Warner, "The Use of Polysodium oleyl-leucylvalinate Surfactant in the Separation of Chiral Compounds Using Micellar Electrokinetic Chromatography." Chirality Symposium, Orlando, Florida, July 15-19, 2001.
9. Simon Mwongela, Cevdet Akbay and Isiah M. Warner, "A Novel Amino Acid-based Surfactant Polysodium-oleyl-L-leucylvalinate for Separation of Chiral Compounds Using Micellar Electrokinetic chromatography." The Pittsburgh Conference of Analytical and Applied Spectroscopy, New Orleans, Louisiana, March 4-9, 2001.
10. Simon M. Mwongela, Cevdet Akbay, Janet J. Tarus, and Isiah M. Warner, "A Novel Amino Acid Surfactant for Separation of Chiral Compounds Using Micellar Electrokinetic chromatography." Southeastern ACS conference, New Orleans Louisiana, December, 2000.