

Curriculum Vitae
Daniel K. Korir
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Denton TX 76201
Room 343

Education

Texas Woman's University- Denton, TX
M.S. Chemistry
Egerton University, Njoro, Kenya
B.Ed. (Science) - Mathematics and Chemistry

Courses Taught

University of North Texas
General Chem-Lab Chem 1306
General Chem- 1420
General Chem. Lab 1430

Texas Woman's University, Denton TX- 2011- 2013
Introductory Chemistry (Chem 1011) -Lab.
General Chemistry I (Chem 1111) - Lab.
General Chemistry II (Chem 1121) - Lab.
Earth Science (Chem 1211)

Publications and Presentations

Synthesis, Structural and Photophysical Properties of Phosphorescent Oligonuclear Complexes of Monovalent Coinage Metals with Novel Compositions (Thesis-December 2013) Trinuclear copper (I) and Silver (I) adducts of 4-chloro-3,5-bis(trifluoromethyl) pyrazolate and 4-bromo-3,5-bis(trifluoromethyl) pyrazolate- Hettiarachchi, C.V.; Rawashdeh-Omary, M. A. ; Korir, D.; Kohistani, J.; Yousufuddin, M.; Dias, H. V. R. Inorg. Chem., 2013, 52 (23), pp 13576-13583

Facile Photochemical Synthesis and Properties of conjoined gold-silver Nanoparticles with tunable Plasmonic absorption-50th Meeting-in-Miniature, Texas Christian University, April 29th, 2017

Photochemical Syntheses of Biocompatible Silver and Gold-Silver Conjoined Nanoparticles with Tunable Plasmonic Absorption in Aqueous media-University of North Texas 3rd year Talk.

Photochemical Synthesis of Biocompatible anisotropic silver Nanoparticles: Efforts to understand the balance between Antibacterial Activity and Cytotoxicity -49th Meeting-in-Miniature, Texas Woman's University, April 23rd, 2016

Photochemical Synthesis of Silver and Gold-Silver Alloy Nanoparticles with Tunable Plasmonic Absorption via Aqueous and Biocompatible Media- American Chemical Society-Southwest Region Meeting (SWRM) and the Southeastern Regional Meeting of the American Chemical Society (SERMACS) held November 4-7, 2015 in Memphis, Tennessee

Anisotropic Assembly of kinetically-Controlled Silver, Gold and Mixed-metal Nanoparticles in genuinely Biocompatible media- Symposium of Federation of North Texas Universities at Texas Woman's University- 2015

Synthesis, Structure and Luminescence properties of Mixed-metal Trinuclear Complexes of the same Bridging Ligand - American Chemical Society-Indianapolis Indiana-September 2013

Molecular Jewelry: Glowing Gold, Silver, and Copper Rings and Chains that Literally Light Up Our Lives with Multi-Faceted Energy, Environmental, and Health Applications- Texas Undergraduate Research Day at the Capitol, Austin TX, April 2013

Photophysical properties of new copper(I) and Silver(I) complexes towards potential use as sensors for Volatile Organic Solvents(VOCs) and other environmental pollutants. Texas Woman's University Symposium poster presentation-April 2013

Solar energy conversion using inexpensive small molecule and metallo-polymer light absorbing dye. Texas Woman's University Symposium poster presentation-April 2012