

MARCUS

11522 Parakeet Ct. Moreno Valley, CA 92557 | 615-642-6617 | mpenn001@ucr.edu

EDUCATION

University of California- Riverside
PhD in Environmental Toxicology

Ex. 2018

Tennessee State University
B.S.s in Chemistry and Biology
Areas of Concentration: Biochemistry and Cellular and Molecular Biology
Minor: NA
Honors Thesis: "The Physio-chemical Characterization of Yams"

2013

AWARDS

Chancellor's Distinguished Fellowship
MARC
URCA/TRIAD Fellowship
HBCU-UP STEM

September 2013 – August 2018
June 2012 – May 2013
June 2011 – May 2012
August 2009 – June 2010

TEACHING EXPERIENCE

Tennessee State University
Tutor- Biology and Chemistry
Directed and facilitated group mentoring and grasping of concepts

2012-2013

RELATED EXPERIENCE

CRIME REU- Birmingham, AL
Researcher
Tested the known methods and sought increases in productivity.

June 2011 – August 2011

Tennessee State University- Nashville, TN
Researcher
Novel synthesis of nanoparticles, Scanning Electron Microscope and Powdered X-Ray Defractor trainer, analysis and data collection with various physio/chemical analyzing machines.

June 2010 – May 2013

PUBLICATIONS AND PAPERS

Low temperature synthetic method development for manganese oxide nanoparticles
National ACS Research Conference, Anaheim, CA

2011

Physio-chemical characterization of yams using thermogravimetric analysis, infrared spectroscopy, and scanning electron microscopy
National ACS Research Conference, New Orleans, LA

2013

Pennington, M.J., Rivas, N.G., Prager, S.M., Walton, W.E., Trumble, J.T., 2015. Pharmaceuticals and personal care products alter the holobiome and development of a medically important mosquito. *Environ. Pollut.* 203, 199–207. doi:10.1016/j.envpol.2015.04.004

2015

LANGUAGES

English- native language

MEMBERSHIPS

American Chemical Society
Phi Kappa Phi
Golden Key Honors Society
Delta Epsilon Iota