

# Curriculum Vitae

RAYMOND NWACHUKWU, PhD  
Assistant Professor  
Science and Engineering Department  
Phone: (409) 933-8502  
Email: rnwachukwu@com.edu

## Education

PhD in Energy and Environmental Systems, North Carolina A & T State University, NC

M.S. in Applied Microbiology, Nnamdi Azikiwe University, Awka, Nigeria

B.S. in Applied Microbiology and Brewing, Nnamdi Azikiwe University, Awka, Nigeria

## Teaching Experience

Sep 2018-present College of the Mainland Texas City, TX  
*Assistant Professor - Biology*

Aug 2017-present Lone Star College Houston, TX  
*Adjunct Professor - Biology*

Sep 2018-June 2019 Blinn College Brenham, TX  
*Instructor Professor - Biology*

Aug 2008-Dec 2012 North Carolina A&T State University Greensboro, NC  
*Graduate Teaching Assistant - Contemporary World*

Jul 2004-Sep 2007 Bishop Crowther Seminary Awka, Nigeria  
*Teacher - Biology & Math*

Aug 2002-Sep 2003 School of Health Technology Minna, Nigeria  
*Instructor - Microbiology*

## Significant Publications

S. Kakadjian, R.E.S. Nwachukwu, Employing Effective Water Treatment with  
New String Technology in the Eagle Fort to Mitigate String Failures. 2017

R.E.S. Nwachukwu, A. Shahbazi, L. Wang, S. Ibrahim, The Impact of Initial  
pH in the Performance of *Enterobacter aerogenes* S012 to Convert Glycerol to Ethanol at  
Optimum Temperature and Agitation Speed. 2015

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- E.I Ohimain, P. Kendabie, R.E.S. Nwachukwu, Bioenergy Potentials of  
Elephant Grass, Pennisetium purpureum Schumach. 2014
- R.E.S. Nwachukwu, A. Shahbazi, L. Wang, M. Worku, S. Ibrahim, K. Schimmel,  
Optimization of Cultural Conditions for the Conversion of Glycerol to Ethanol by  
Enterobacter aerogenes S012. 2013
- R.E.S. Nwachukwu, A. Shahbazi, L. Wang, M. Worku, S. Ibrahim, K. Schimmel,  
Bioconversion of Glycerol to Ethanol by a Mutant Enterobacter aerogenes. 2012
- R.E.S. Nwachukwu, A. Shahbazi, L. Wang, M. Mims, Evolutionary  
Mutagenesis of Enterobacter aerogenes for Bioconversion of Glycerol to Ethanol. 2011
- R.E.S. Nwachukwu, I.A. Ekwealor, Mithionine-producing Streptomyces isolated  
from SOuthern Nigeria Soil. 2009