

Harold Kay Njemanze, Ph.D.
Curriculum Vitae

Name: Harold Kay Njemanze

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Education

- Ph.D. Dissertation, Toxicology, Texas Southern University, Houston, Texas, 1998
- Ph.D. Coursework, Environmental Health Biology, Federal University of Technology, Owerri, Imo State, 2000
- M.A. Education/Science, Southern Nazarene University, Bethany, Oklahoma, 1991
- B.Sc. Biology major, Medical Microbiology minor, University of Central Oklahoma, Edmond, Oklahoma 1988
- Diploma Biology/Chemistry, Alvan Ikoku, College of Education, University of Nigeria, Nsukka 1979

Professional Experience

- Professor Biological Sciences, 2002 – Present
Houston Community College District
Courses: Introduction to Biology
General Biology 1
General Biology II
Microbiology
Anatomy and Physiology

- Adjunct Professor, 2011 - 2015
LoneStar College System
Courses:
Nutrition
Anatomy and Physiology 1
- Adjunct Professor, 2009
University of Phoenix

Accomplishments

- Winner HCCS Excellence in Academics Award 2018
- Winner German Academic Exchange Scholarship
- Principal Coordinator, Second Annual Conference, National Association of Scientists.
- Chief Coordinator, National Workshop on the Control of Arthropod Vectors of Disease in the Tropics.

Faculty Affairs

- Microbiology Lab Online Teaching Project, 2021
- Rigor Summit, 2019
- Participated in the Mentor/Mentee program of HCC. Mentored new hires 2019
- Faculty Hiring/Screening Committee, 2017, 2018 and 2019
- Biology Grade Appeals Committee, member, 2016, 2017
- Evening Faculty Liaison – Northwest College, Spring Branch campus, 2013, 2014, 2015.
- Multidisciplinary Mentorship Program, 2018 and 2019

Profile/Skills Assessments

Extensive knowledge of chromatography and spectroscopy techniques (GC/MS, HPLC, TLC, IC, NMR, UV-Vis, IR, FTIR, Raman Spectrometry)

Electron microscope (Scanning electron microscope (SEM), Energy dispersive X-ray analysis (EDX)

Thermo-gravimetric analysis (TGA), Transmission electron microscope (TEM), X-ray diffraction analysis (XRD).

Biotech and Biomedical Skills including, Polymerase Chain Reaction (PCR), Gel Electrophoresis, Gene blot and Southern Blot techniques.

Emergenetics, 2017

Professional Affiliations

Tri-Beta (Beta Beta Beta) National Biology Honor Society, Faculty member

Texas Association of Environmental Professionals (TAEP)

Texas Community College Teachers Association (TCCTA)

American association for the Advancement of Science (AAAS)

American society of Environmental Professionals (ASEP)

Society of Environmental Toxicology and Chemistry

Professionals in Environmental Risk Assessment

Books Published

**1. Microbes and US ISBN: 978-1-68135-851-2
Harold Kay Njemanze, Ph.D.**

**2. Microbiology Made Easy ISBN: 978-1-64386-119-7
Harold Kay Njemanze, Ph.D. and Ndu Dikeocha, DVM, Ph.D.**

**3. Microbiology 2120 Laboratory Manual ISBN: 978-1-68135-899-4
Richard Cristiano, Ph.D, Ndu Dikeocha, DVM, Ph.D, Nazanin Z. Hebel, D.D.S, Harold Njemanze, Ph.D, Manhal Schbat, MD.**

(Above books in use at Houston Community College System)

Scholarships and Fellowships

- Commonwealth Tuition Scholarship as an outstanding International Student.

Papers presented at conferences and seminars

1. Evaluation of Inorganic Pyrophosphate in Amniotic Fluid as a mode of Prenatal Diagnosis of Osteogenesis Imperfecta Type II.
2. Ozone Layer Phenomenon in our age.

3. Njemanze H. Space Microbiology regarding microbial behavior in extreme environments. 2005.
4. Njemanze H. Bioastronautics. Biology in Space. 2006.
5. Njemanze H. Bioreactor Technology as Applicable to Tissue Engineering, Cancer Research, and Medical Microbiology. 2007.

Distinctions

- Winner German Academic Exchange Scholarship
- Principal Coordinator, Second Annual Conference, National Association of Scientists.
- Chief Coordinator, National Workshop on the Control of Arthropod Vectors of Disease in the Tropics.

Other Activities

- Involved in writing various research grants.
- An active participant of NABT and BioLink-Biotechnology Workforce.
- Involved in Title V activities at HCCS.
- Involved as an event judge in local science fair competitions at the school district level.
- Reviewed NSF grants (Center, Core, ATE), 2009.

Honors/Recognitions

1. Recipient of BioLink fellowship from South Central Region to participate in the annual BioLink Conference organized by NSF in summer of 2005.
2. Nominated for the Adjunct Faculty Excellence Award.
3. Received fellowship from NACK to attend Microbiology space Conference and HI-TEC Conference.