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EDUCATION

01/1995 - 12/2003	Ph.D. Environmental Toxicology	Texas Southern University, Houston, TX
09/1991 - 12/1994	MS Biology (Incomplete)	Texas Southern University, Houston, TX
09/1990 - 03/1991	French Proficiency	Village Du Benin, Lomé, Togo
03/1986 - 12/1988	MS Zoology	Obafemi Awolowo University, Ile-Ife, Nigeria
09/1980 - 06/1984	B.Sc. Zoology	Obafemi Awolowo University, Ile-Ife, Nigeria

CERTIFICATIONS

2019 - 2020	HCC Innovative Leadership Academy (ILA) 2019-2020 cohort.
Fall, 2018	21st Century Exemplary Faculty, TLE Program, HCC
Fall, 2016	Canvas Training, HCC, TX
Fall, 2013	Desire2Learn Certification, LoneStar College-CyFair, Cypress, TX
Spring, 2012	Moodle - Eagle Online Certification, HCC, TX
Fall, 2011	Adjunct Certification Program, Lonestar-CyFair, Cypress, TX
Fall, 2008	Certified Peer Educator & Trainer, Shell, Nigeria.
Summer, 2007	HCCS Certificate in Instructional Technology, HCC, TX
Summer, 1999	Microsoft Certified Specialist, Houston, TX

TEACHING EXPERIENCE

09/1993 - Present Professor (Full Time and Adjunct), HCC - Biology Dept

Faculty - Teaching different courses in Biology including: Introductory Biology, General Biology, Anatomy and Physiology, and Microbiology.

Spring 2017 - August, 2021. Biology Program Coordinator - Works with the program committee to oversee curriculum-related issues; serves as the instructional liaison between the faculty and district administration on curriculum matters

- **Annual Course Assessment** - Works with sub-committee chairs within the Biology department to assess selected courses and determine areas of improvement
- **Spring 2019 - Conducted 4-year evaluation of the Biology program @ HCC**
 - Collected data related to: Student Success & Retention, Enrollment, Degree Completion and Course Evaluation Surveys from Institutional Data Dashboard and Tableau Software
 - Analyzed data with Tableau and Microsoft Excel
 - Wrote a comprehensive report on the state of the program and provided suggestions for action plans toward improvement. Obtained exemplary rating from the Office of Curriculum and Instruction for evaluation report.

- o Worked with the program committee to implement the action plans.

- 02/2021
 - Project Team Lead – Governor’s Emergency Education Relief (GEER) Fund Collaborated with a team of faculty internally across the institution and externally with the University of Houston and obtained grant to develop an online interactive comprehensive digital Open Education Resource (OER) manual for General Biology for Majors Laboratory I (BIOL 1106 - Lab).
- 08/2020
 - Obtained THECB grant to develop BIOL 1306 OER Course. Course uploaded into Canvas Commons and accepted into OER commons and Texas digital OER repository
- 02/2020 – Present
 - Canvas Mentor – Assisted several faculty to transition to online MOI.
- 01/2017 – 08/2021
 - Program Coordinator, Biology, HCC
- 01/2018 – 08/2021
 - Team Leader, Gateways to Completion Taskforce @ HCC
- 05/2018 - Present
 - Graduation Announcer, HCC Graduation Ceremony
- 01/2017 – 08/2021
 - Member, Houston Guided Pathways to Success Consortium
- 03/2017 – Present
 - Volunteer, OER Course Development Program @ HCC
- 07/2019 – 10/2019
 - Space Utilization Focus Group - Volunteered in brainstorming to help HCC evaluate how well its current facilities are serving its community.
 - AD ASTRA - Volunteered to work with the Ad Astra Team to access, manage and reorganize room allocations.
- 01/2019 - Present
 - Co-author, Lab Manual for BIOL 1306
- 09/2018 – 12/2018
 - Mentor, New Faculty Mentor-Mentee program, HCC
- 01/2007 – 08/2007
 - Faculty Advisor, Bethel Campus Fellowship, HCC -NE
- 09/2005 – 08/2007
 - Faculty Advisor, Student Government Association, HCC-NE
- 08/2004 – 08/2007
 - Faculty Senate Delegate, HCCS-Northeast
 - Participated in Learning Community
- 06/2003 – 08/2007
 - Coordinator, HCC-Northeast, Summer Research Experience for Students’ - Recruits and supervises students for summer research in universities
- 11/2003
 - Arranged for six faculty members including self, to attend the 2003 Super Computing Conference: Inquiry-based Strategies for the Classroom in Phoenix, Arizona Nov. 15 – 18, 2003.
 - Textbook Reviewer, Raven Biology. McGraw Hill
- 06/2003 – 08/2003
 - Visiting Scholar Lawrence Berkeley National Laboratory, Berkeley, California
- 11/2002 – 08/2007
 - Career Path Speaker, Annual Math Science and Technology Expo HCC-Northeast
- 04/2002 – 08/2007
 - Foundation Member, Minority Institution Astrobiology Consortium (MIAC) Established at the Goddard Space Center, Moffett Field, California.
- 09/1999 – 08/2007
 - Faculty Advisor, Partnered with Counseling department to provide academic counseling for students
 - Screening Committee member for selection of Faculty @ HCC NE
- 11/1999 – 06/2001
 - Coordinated the establishment of Biotechnology Certificate and Degree Programs at the Northeast College.
- 09/1999 – Present
 - Member, Textbook selection committee

- Member, Biology Program Committee
- Member, General Biology Program Sub-Committee
- Member, Introductory Biology Program Sub-Committee
- Member, Microbiology Program Sub-Committee

01/2011 – 07/2018 Adjunct Faculty, LoneStar College- CyFair, Hou., TX

- Taught courses in Biology, Microbiology and Environmental Science.
- Volunteer - Honors Program
- Volunteer - Faculty Student Advisor
- Member - STEM Taskforce
- Reviewer - Ted Johnson and Christine Case's Laboratory Experiments in Microbiology, 10th edition.

08/1998 – 12/1999 Instructor, Texas Southern University, Hou., TX

- Taught different courses in environmental sciences including Epidemiology, Biostatistics, Environmental Microbiology and Environmental Chemistry.

08/1995 – 05/1998 Classroom Teacher, Houston ISD, Houston, TX

Taught eighth (8th) and sixth grades' Earth and Integrated Sciences respectively

08/1996 – 05/1998 Member, Curriculum Planning Committee

NON-TEACHING INDUSTRIAL AND/OR RESEARCH EXPERIENCE

09/2007 – Research Advisor, Shell Petroleum, Nigeria
09/2009

- Sabbatical Appointee.
- HIV/AIDS Trained Master Peer Educator
- Health, Safety & Environment Auditor
- Developed and taught a 6-course curriculum on Wellness for the Work-Life Balance Project

*** Sabbatical appointment was extended due to popularity and acceptance of the courses

01/2004 – Research Consultant, NASA Univ. Research Center for Biotechnology & Environmental
05/2005 Health, TSU, Hou., TX

Conducted research on functional genomics of fungi in enclosed environments and supervised students' research projects.

11/1988 – Research Fellow, Drug Research & Production, Faculty of Pharmacy, Obafemi Awolowo
12/1989 University (OAU), Nigeria

Led scientific investigation in drug research on Biological Control of Schistosomiasis using *Tetrapleura tetraptera*. Research was sponsored by the World Health Organization (WHO)

09/1986 – Graduate Research Assistant, Zoology Dept., OAU, Nigeria
10/1988

Assisted Principal Investigator in conducting Ascariasis sp. Prevalence Project in Oranmiyan Local Government, Osun State, Nigeria

COMMUNITY & VOLUNTEER EXPERIENCE

- 08/2017 - PRESENT **Openstax Collaborator**
- Participates in developing supplementary materials and activities for OpenStax Biology Textbooks during Creator fest
 - Served as a screening Committee member in nationwide selection of applicants for OpenStax National Intern Program.
- 06/2018 **Jim & Joann Fonteno Senior Education Center, Houston, TX**
Invited Speaker: Choosing Healthy Meals as You Get Older
- 01/2011 – 02/2016 **Colony Creek Community Church**
- Prayer partner
Women ministries
- 09/2011 – 05/2015 **Fort Bend Independent School District**
- Mentor for at-risk student
Career – Day Speaker
- 01/2011- 05/2015 **ISAAB - Journal of Health and Environmental Sciences, USA**
Co-Editor and Reviewer
- 10/2009 – 05/2010 **Community Service, City of Port-Harcourt, Nigeria**
- Conducted community outreach to the destitute on the streets;
Made presentations in local assemblies to youths about career success, time management and wellness.

HONORS, NOMINATIONS & AWARDS

- 02/2021 **Governor’s Emergency Education Relief (GEER) Fund Award**
In collaboration with a team of faculty @ HCC, and a faculty from the University of Houston, Main Campus, the team obtained grant to develop manual for General Biology for Majors Laboratory I (BIOL 1106 - Lab).
- 01/2020 **2020 NISOD Teaching & Leadership Excellence Award winner**
A prestigious honor that reflects commitment to Houston Community College, and dedication to students and community. Nomination by colleagues.
- 09/2019 **Exemplary rating on 4-year program evaluation report**
Office of Curriculum and Instruction, HCC
- 01/2019 **21st Century Exemplary Faculty**
TLE Certified Course Program, HCC
- 10/2018 **THECB 2018 OER Course Grant Development Award**
One of 3 HCC faculty to receive THECB Open Educational Resources Grant Program 2018 Awards to develop Biology I for Science Majors course using OER resources only.
- 04/2018 **Nominated for Faculty Teaching Excellence Award**
- 2005 & 2006 **Who’s Who Among American Teachers**
Nominated by students
Awarded by Who’s Who Among American Teachers, United States

- 06/2003 Faculty and Student Team Award**
Awarded by National Science Foundation & the US Dept. of Energy
- 09/2002 Technology Award**
Awarded by Sterling Bank, Houston, through Houston Community College System, Northeast for innovative use of technology in the classroom
- 05/2001 President's Excellence in Teaching Award**
Awarded by College President, HCCS – Northeast, Houston, Texas
- 11/2000 Faculty Bedicheck Award**
Awarded by Houston Community College System
- 03/1986 – Graduate Fellowship: 3-year Post-graduate grant**
02/1989 *Awarded by Ashamu Group of Companies, Mushin, Lagos*
- 06/1984 Honor Graduate,**
Awarded by Obafemi Awolowo University, Ile-Ife, Nigeria

PRESENTATIONS IN SEMINARS, WORKSHOPS OR CONFERENCES

- 03/2021 International Women's Day organized by International Services & Programs @ HCC**
Main Speaker.
Topic: An International Journey
- 02/2021 Science Study Skills Workshop organized by faculty in Biology @ HCC**
Collaborated with a team of faculty in Biology to present a free, virtual, interactive workshop that taught students how to maximize their study skills.
- 03/2020 HCC Faculty Conference**
Co-Presenter with Nicholas Cox, Program Coordinator - History
Topic: Program Assessment Tips
- 08/2019 Open Education Texas: Policy, Practice, & Potential – Aug. 8, 2019, Austin TX**
Co-Presenter, Breakout Session One – Showcase of OER Best Practices in Texas, Houston Community College
- 03/2019 Global Open Education Week Webinar March 4, 2019.**
Panel Discussion Member: Roundtable discussion about the state of OER at HCC
- 10/2018 OpenED 2018 Conference in Niagara Falls.**
Co-Presenter: State of OER in Biology at HCC
- 09/2018 McGraw-Hill National Task Force on Majors Biology, Chicago, IL Sep. 27-29**
Contributor, Majors Biology Symposium
- 02/2008 – Eastern Swamp Asset Team, Shell Petroleum, Port Harcourt, Nigeria**
09/2009 Curriculum Developer and Instructor: Wellness & Organization Series
- 08/2008 National Conference: Intercessors for Nigeria, Abuja, Nigeria**
International Conference: Children Evangelism Ministries, Ilorin, Nigeria
International Conference: Women Intercessors for the Church & Nations, Port – Harcourt, Nigeria
Conference Presenter: *Creating Awareness to Holistic Living.*
***The teaching was modified to suit each audience.

- 02/ 2007** **Gulf Coast Regional Conference for Faculties of Community Colleges**
George R. Brown Convention Center, Houston, Texas
 Presenter: *Approaches Toward Achieving Increased Student Success*
- 08/2004** **Title V Biology Workshop, HCC, Houston, Texas**
 Presenter: *Changing the Learning Paradigm with the Changing Times - Active Learning in the Biological Sciences*
- 03/ 2004** **107th Conference, Texas Academy of Science, Kerrville, Texas**
 Presenter:
 1. *A review of the toxic metabolites from Stachybotrys species*
 2. *Analyses of the small subunit ribosomal DNA of ten members of Stachybotrys using PCR technique.*
- 02/ 2004** **NASA Cell Science Conference**
Annual Investigators Working Group Meeting – Palo Alto, California
 Presenter: *Trichodiene synthase 5 genes from ten members of the genus Stachybotrys.*
- 10/ 2003** **Community Forum, Houston Community College, Northeast**
 Presenter: *Changing the Learning Paradigm*
- 02/ 2003** **106th Conference, Texas Academy of Science, Nacogdoches, TX**
 Presenter: *Development and evaluation of a novel method of analysis of Stachybotrys species in enclosed environments through genome typing of the small subunit ribosomal DNA.*
- 02/ 2003** **Spring Convocation, Houston Community College Northeast, Houston, TX**
How I Use Technology in the classroom
- 04/2002** **Astrobiology Conference, Goddard Space Center, Moffett Field, California.**
 Poster Presentation: *Microbial Volatile Organic Compounds from Fungal Sources in Enclosed Environment.*
- 03/ 2002** **105th Conference, Texas Academy of Science, Laredo, TX**
 Presenter: *Microbial Volatile Organic Compounds from Fungal Sources in Enclosed Environments*

PUBLICATIONS:

- Veronica Amaku, Ph.D. (2007). *Stick to it! Winners Never Quit.* Houston, TX: Ambassador Publishing. (96pp) Book.
- Veronica Amaku, et al., (2005). Biodiversity in Ten members of *Stachybotrys* from Ukraine through molecular analysis of the small subunit ribosomal DNA. *23rd Fungal Genetics Newsletter* 52S:133.
- Veronica Amaku, et al., (2004). Use of Biomarker Sequences for the identification and phylogenetic analyses of filamentous fungi isolated from extreme environments. *Lawrence Berkeley Laboratory Research Summaries. Environmental Remediation Program* (2004-2005).
- Mubo Fagbola, et al., (1990). Molluscicidal trials and correlation between the presence of *Tetrapleura tetraptera* in an area and the absence of intermediate hosts of *Schistosomiasis* and *Fascioliasis* in Southwestern Nigeria. *J. Ethnopharmacology*.1990, 30(2): 169-183.
- Mubo Fagbola et. al.,(1990). Endemicity and seasonality of transmission of human *Schistosomiasis* in Ile-Ife, Southwestern Nigeria. *Tropical Medicine and Parasitology*.1990, 41(4): 443-444.