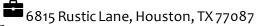
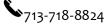
VERONICA M. AMAKU, Ph.D.





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https://learning.hccs.edu/fac<u>ulty/veronica.amaku</u>

in www.linkedin.com/in/veronica-amaku

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 Leadershi	pAcademy	(ILA	2019)-2020 cohort.
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21st Century Xemplary Faculty, TLE Program, HCC Fall, 2018

Fall, 2016 Canvas Training, HCC, TX

Desire2Learn Certification, LoneStar College-CyFair, Cypress, TX Fall, 2013

Moodle - Eagle Online Certification, HCC, TX Spring, 2012

Adjunct Certification Program, Lonestar-CyFair, Cypress, TX Fall, 2011

Fall, 2008 Certified Peer Educator & Trainer, Shell, Nigeria.

Summer, 2007 HCCS Certificate in Instructional Technology, HCC, TX

Microsoft Certified Specialist, Houston, TX Summer, 1999

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
 - o Collected data related to: Student Success & Retention, Enrollment, Degree Completion and Course Evaluation Surveys from Institutional Data Dashboard and Tableau Software
 - o Analyzed data with Tableau and Microsoft Excel
 - o 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.

 $\circ\,$ Worked with the program committee to implement the action plans.

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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) Foundation Member (
00/1000 08/2007	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

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

- 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

o1/2004 – 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

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COMMUNITY & VOLUNTEER EXPERIENCE

04/2018

2005 & 2006

COMMU	INITY & 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 ChurchPrayer partnerWomen 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.
HONOR	S, 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 collegagues.
09/2019	Exemplary rating on 4-year program evaluation report Office of Curriculum and Instruction, HCC
01/2019	21st Century Xemplary 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.
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Awarded by Who's Who Among American Teachers, United States

Nominated for Faculty Teaching Excellence Award

Who's Who Among American Teachers

Nominated by students

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 President's Excellence in Teaching Award 05/2001 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 Honor Graduate, 06/1984 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 – 09/2009	Eastern Swamp Asset Team, Shell Petroleum, Port Harcourt, Nigeria 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

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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.

o2/ 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.

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