

Emmanuel A. Iyiegbuniwe, PhD

EDUCATION AND TRAINING

- 1997 Ph.D., Environmental & Occupational Health Sciences, School of Public Health, University of Illinois at Chicago, Chicago, Illinois
Thesis - *Site-specific Emission Factors and Crossdrafts for 16 Vapor-phase Degreasers*
- 1994 M.S., Environmental & Occupational Health Sciences, School of Public Health, University of Illinois at Chicago, Chicago, Illinois
Thesis - *Workers Exposures and Emission Factors Determination for Lead and Other Metals during Bridge Paint Removal*
- 1991 M.S., Microbiology, Department of Biological Sciences, University of Lagos, Nigeria
Thesis - *Antibiograms and plasmids of Staphylococcus aureus and coagulase negative staphylococci isolated from different clinical sources*
- 1985 B.S., Microbiology, Department of Microbiology, University of Ife, Ile-Ife, Nigeria
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- 2010 MBA, College of Business, Western Kentucky University, Bowling Green, Kentucky

LEADERSHIP EDUCATION

- Centers for Disease Control and Prevention (CDC) Environmental Public Health Leadership Institute (EPHLI) , Atlanta, Georgia, 2007 to 2008
- American Industrial Hygiene Association (AIHA) Future Leaders Institute (FLI), Oak Brook, Illinois, 2006
- United States Agency for International Development (USAID) Thomas Jefferson Leadership and Advanced Skills Program, University of Illinois at Chicago, 1992 to 1994

ADMINISTRATION AND ACADEMIC EXPERIENCE

1. 2016 – Present: Associate Professor (tenured) & Director of Public Health Department, California State University San Marcos
2. 2012 – 2016: Associate Professor (tenured) & Director of Environmental Health Science & NIOSH Training Project Grant, Department of Public Health, College of Health & Human Services, Western Kentucky University

Leadership Accomplishments (selected): I am a strong advocate of transformational leadership with the basic premise that people rise higher through positive motivation. I have focused on shared leadership that encourages team learning and to engage others to collectively achieve shared vision that effectively accomplishes set goals.

- Director of Public Health (Master of Public Health) at California State University San Marcos with expertise in developing and leading the implementation of comprehensive public health programs in Health Promotion & Education and Global Health as well as

fostering learning collaborations, research, and accreditation process by the Council on Education for Public Health (CEPH).

- Director and PI for the National Institute for Occupational Health and Safety (NIOSH) Training Project Grant for \$150,000.00 (implementation date - Fall Semester 2014).
- Co-developed (with colleagues in the Department of Public Health) the MS in Environmental & Occupational Health degree (implemented in Spring Semester 2015).
- As EHS Program Director,
 - played a collaborative role in several initiatives that brought greater diversity to the Department of Public Health
 - revived and reconstituted a new Advisory Board for our undergraduate B.S. degree in EHS program and worked collaboratively with colleagues to increase undergraduate enrollment by 18%
 - implemented a mentoring and review program for adjunct faculty members
- Directed and mentored public health students as part of the College of Health & Human Services International Service Learning Program to Belize
- Assisted students in obtaining Faculty-Undergraduate Student Engagement (FUSE) grants to conduct relevant research in Belize
- Developed and organized university-wide faculty workshop on “City as Text” pedagogy - a structured exploration that provides a place for the development of shared understanding and encourages participants to acquire critical reflection and sustained multiple perspectives
- Faculty Preceptor on “Contemporary Issues in Rural and Community Medicine, Family Practice Residents’ Rural Rotation Program” in collaboration with the South-central Kentucky Area Health Education Center (AHEC) and the Department of Family Practice, University of Louisville, 2004-2009
- Over 12 years involvement as a Steering Committee member of the National Institute for Occupational Safety and Health (NIOSH) Pilot Research Project (PRP) at the University of Cincinnati’s Education and Research Center (ERC). As Steering Committee member,
 - moderated the symposium as well as nominated and mentored junior faculty members and graduate students who attended the annual NIOSH Research Capacity Building (RCB) workshop at the University of Cincinnati. Feedback showed the faculty members received focused training to develop research proposals in their areas of interests.
 - demonstrated unwavering support for advanced careers of junior faculty and students and in fostering their intellectual growth through scholarship and research.

Faculty Positions

Director of Public Health & Associate Professor (tenured), Department of Public Health, California State University San Marcos, June 2016 to Present

Associate Professor (Tenured) & Director, Environmental Health Science-NIOSH TPG, Department of Public Health, Western Kentucky University, July 2014 to May 2016

Associate Professor (Tenured) & Director of Environmental Health Science, Department of Public Health, Western Kentucky University, July 2012 to December 2014

External Examiner, PhD Program in Occupational/Environmental Safety and Health, Graduate Studies and Research, The University of the West Indies, Jamaica, 2014 to 2015

Associate Professor (Tenured) & Director of Environmental Health Science, Department of Public Health, Western Kentucky University, January 2009 to July 2012

Faculty Preceptor, Contemporary Issues in Rural and Community Medicine, Department of Family Practice, University of Louisville, Kentucky, 2004 to 2009

Assistant Professor & Director of Environmental Health & Safety Resource Center, Department of Public Health, Western Kentucky University, July 2003 to January 2009

Adjunct Faculty, Natural and Applied Sciences, College of DuPage, Illinois, 2002 to 2003

Adjunct Faculty, MPH Program, Benedictine University, Lisle, Illinois, 2002 to 2003

Adjunct Faculty, School of Science, Roosevelt University, Chicago, Illinois, 2000 to 2003

Teaching Assistant, Environmental & Occupational Health Sciences, School of Public Health, University of Illinois at Chicago, Illinois, 1993 to 1997

Fellowships

1. Faculty Fellow, California State University International Programs (CSU IP): Partnership with the University of Ghana, 2018
2. Fellow, American Association of State Colleges and Universities and Nippon Foundations Scholarship/Japan Studies Institute, San Diego State University, CA, 2008
3. Fellow, Environmental Public Health Leadership Institute (EPHLI), Centers for Disease Control and Prevention (CDC), Atlanta, GA, 2007 - 2008
4. Fellow, Wakonse Conference on College Teaching, Camp Miniwanca on Lake Michigan, March 2007
5. Fellow, Future Leaders Institute, American Industrial Hygiene Association, Oak Brook, IL, 2006
6. Fellow, John & Grace Nuveen International Visiting Scholar Program, University of Illinois at Chicago, 1995
7. Thomas Jefferson Fellow, United States Agency for International Development (USAID's Leadership and Advanced Skills), 1992 – 1994
8. Fellow, Institute of Medical Laboratory Sciences, Nigeria, 1988 to 1992

Awards and Honors

William 'Bill' Patton Environmental Service Award for exceptional performance, outstanding achievements and meritorious service in "Environmental Services in Kentucky," 2014 Kentucky Public Health Association (KPHA) Conference

Western Kentucky University, College of Health and Human Services' Outstanding Faculty for Research and Creativity Award, 2014.

American Association of State Colleges and Universities and Nippon Foundations Scholarship/Japan Studies Institute Fellowship, 2008.

Environmental Public Health Leadership Institute Fellowship, Centers for Disease Control and Prevention (CDC), 2007 - 2008.

Western Kentucky University's Faculty Center for Excellence in Teaching (FaCET) Award to attend Wakonse Conference on College Teaching, Michigan, May 2007.

Honors College and Faculty Center for Excellence in Teaching Award to attend the National Collegiate Honors Council's "City as Text" Program, Miami, Florida, 2006.

American Industrial Hygiene Association (AIHA) Future Leaders Institute (FLI) Fellowship, Oak Brook, IL, 2006.

Illinois Environmental Health Association's Outstanding Graduate Student Award, Bloomington, IL, 1995.

American Industrial Hygiene Association (AIHA Chicago Chapter) Award for Best Graduate Student Poster, Chicago, IL, 1995.

Campus Safety Association (CSA)/National Safety Council (NSC) Award for Most Outstanding Graduate Student, Honolulu, Hawaii.

American Chemical Society (ACS)/Environmental Chemistry Division Award for Outstanding Graduate Student, 1995.

John & Grace Nuveen International Scholar, University of Illinois at Chicago, 1995.

American Industrial Hygiene Conference & Exposition (AIHCE), Graduate Student Poster Award, Anaheim, CA, 1994.

University of Illinois at Chicago: Graduate College Tuition Award, 1994-97.

African American Institute (AAI) and USAID Leadership and Advanced Skills Fellowship Program, University of Illinois at Chicago, 1992-94.

Courses Designed & Taught

Graduate Teaching: Community-based participatory Research, Environmental Determinants of Health, Epidemiology, Principles of Environmental Health, Air Quality Management, Public Health Management of Disasters, Risk Assessment, Thesis/Dissertation, Capstone Projects, Independent Studies, and Global Health Service Learning Programs (Belize and Vietnam)

Graduate Supervision: I have mentored and supervised research and graduate teaching assistants throughout my career. Additionally, I served either as lead supervisor, advisor, or reader on numerous PhD and MS/MPH degree theses and capstone projects in Environmental and Occupational Health, Public Health, and Healthcare Administration.

Undergraduate Teaching: Introduction to Occupational Health & Safety, Air Pollution Control, Fundamentals of Industrial Hygiene, Environmental Health, Food Safety, General Safety, Introduction to Environmental Science, Senior Environmental Seminar, Internships, 40-hour HAZWOPER, and Global Health Service Learning (Belize).

Grants Submitted & Funded Research

2018: Multimodal Transportation and Route Planning to Minimize Exposure to Selected Air Pollutants. Application submitted to CSU's 2018 Transportation Research and Workforce Development RFP (SB 1): \$75,000.00 (awaiting response).

2018: An Assessment of Occupational Noise Exposures among CSUSM Police Officers. Application submitted to California State University San Marcos' 2018/19 Research, Scholarship and Creative Activity (RSCA) Grants; \$8,000.00 (awaiting response).

2016: Environmental & Occupational Health Research Laboratory. Total amount: \$30,000.00

2014: National Institute for Occupational Safety and Health (NIOSH) Training Project Grant, *Environmental Health Science Program at Western Kentucky University*. Total amount awarded: \$150,000 - Role: Program Director/PI.

2013: Faculty-Undergraduate Student Engagement (FUSE) Internal Grant. *A Pilot Study of Indoor Air Quality Assessment of Selected Homes in Gales Point, Belize*. Total amount awarded: \$5,500 - Role: Faculty Mentor to Adam Kratt (student)

2012-2014: Legget & Platt, *Noise and Air Quality Exposure Assessment*. Total amount: \$14,250 - Role: Consultant and Program Director.

2011: Western Kentucky University, College of Health & Human Services (CHHS) Faculty Award, *IAQ Assessment and Asthma Education for Refugees*. Total amount of award: \$3,002 - Role: Principal Investigator.

2010: Bando USA, *Industrial Hygiene Exposure Assessment*. Total amount: \$2,450 - Role: Program Director.

2009: Western Kentucky University, Office of Sponsored Programs, Summer Faculty Research Awards, *Healthy-home Environment and Asthma-education for Refugees*. Total amount of award: \$6,000 - Role: Principal Investigator.

2008: Nippon Foundation/Japan Studies Institute (JSI) and American Association of State Colleges and Universities (AASCU) Award, “*Incorporating Japanese Studies into the Undergraduate Curriculum*.” Total amount of award: \$5,500 - Role: Fellowship.

2007-2008: National Institute for Occupational Safety and Health/University of Cincinnati Pilot Research Project (NIOSH PRP) Grant, *Occupational Noise Exposure Assessment of South-Central Kentucky Farms*. Total amount of award: \$7,001 - Role: Principal Investigator

2007-2008: Centers for Disease Control and Prevention (CDC) and National Center for Environmental Health, Environmental Public Health Leadership Institute (EPHLI) Award. Total amount of award: \$6,800 - Role: Faculty Fellowship.

2006-2008: Western Kentucky University (Program Director of WKU’s Environmental Health and Safety Resource Center, *Occupational Health & Safety Services*. Total amount of awards: \$180,202.50. Role: Program Director.

2006: Western Kentucky University, Office of Sponsored Programs, Regular Faculty Research Award, *Airborne Exposures to Contaminants in Ceramic Laboratory*. Total amount of award: \$2,000. Role: Principal Investigator.

2005–2006: DHHS, Health Resources and Services Administration. *OVAR/GEC Interdisciplinary Transitions in Aging Care* (Dr. Arleen Johnson, Program Director, OVAR/GEC, University of Kentucky). Total amount of award: \$345,000 Role: Sub-contractor as EHSRC Program Director

2005: DESA, Inc. “Air Sampling and Ventilation Studies.” Total amount of award: \$2,160 – Role: EHSRC Program Director

2005-2006: Western Kentucky University, (as Program Director of WKU’s Environmental Health and Safety Resource Center), *Occupational Health & Safety Services*. Total amount of award: \$50,000. Role: Program Director.

2005: Western Kentucky University, Office of Sponsored Programs, Summer Faculty Research Fellowship, *Indoor Environmental Quality in a South-central Kentucky Childcare Facility*. Total amount of award: \$5,000. Role: Principal Investigator.

2005: Western Kentucky University, Office of Sponsored Programs, Summer Faculty Research Fellowship, *Environmental Air Quality Exposure Assessment in a Rural Nigerian Village*. Total amount of award: \$4,000. Role: Principal Investigator.

2005: Country Oven Bakery: Noise Exposure Assessment, Bowling Green, KY, Total amount of award: \$3500.00. Role: Program Director.

2004-2005: JJ Keller & Associates, Inc. "Environmental Health & Safety Compliance Lab Program." Total amount of award: \$3,500. Role: Program Director.

2004-2005: National Institute for Occupational Safety and Health/University of Cincinnati Pilot Research Project (NIOSH PRP Award to Dr. Susan Jones) Grant. *Reducing Farmers Risks to Hearing Loss*. Total amount of award: \$5,000 - Role: Subcontractor.

2004: Western Kentucky University, Office of Sponsored Programs, Summer Faculty Research Fellowship, *Air Quality in a South-Central Kentucky School*. Total amount of award: \$5,000. Role: Principal Investigator.

2004: Western Kentucky University, Office of Dean, College of Health & Human Services (CHHS) Faculty Award. *Air Quality in a South-Central Kentucky School*. Total amount of award: \$750 - Role: Principal Investigator.

RESEARCH AND SCHOLARSHIP

Publications

Journal Articles

Iyiegbuniwe, E., Nwosu U., and Kodali S (2016). A Review of Occupational Health and Safety Implications of Exposure and Risk Management of Carbon Nanotubes and Carbon Nanofibers. *Journal of Environmental Science and Sustainable Development* Vol 7, No. 11, pp. 849-855 (ISBN: 2010-0264).

Iyiegbuniwe, E. (2014). Net-Zero-Energy: A Case Study on Renewable Energy and Policy Issues at Richardsville Elementary School, Kentucky. *Int. J. Energy Technology and Policy*, Vol. 10, No. 1, pp. 61-79.

Iyiegbuniwe, E. (2013). Assessment of LEED Indoor Environmental Quality Parameters at a New Church Building in Southcentral Kentucky. *Energy Engineering*, Vol. 110, No. 3, pp. 6-19.

Iyiegbuniwe, E. and Dibia, R. (2013). Analysis of Environmental Health Policy and Issues in Canada. *Journal of International Politics and Development* Vol. 11, No. 1&2, pp. 1-36.

Iyiegbuniwe, E. and Conroy, L. (2013). Site-specific Emission Rates Determination for Sixteen Degreasers. *Engineering Management Reviews* Volume 2, Issue 2, pp. 19-29.

Iyiegbuniwe, E. (2012). Analysis of Environmental Health Policy in Belize. *Journal of International Politics and Development*, Vol. 10, No. 1&2, pp. 87-112.

Iyiegbuniwe, E. A., & Conroy, L. M. (2011). Lead Exposure Determination during Bridge Paint Removal. *Journal of Applied Global Research*, 4(8).

Iyiegbuniwe, E. A. & Conroy, L.M. (2010). Development of Emission Factors for the Control of Lead and other Metals during Bridge Construction Work. *Int. J. Environment and Waste Management*. Part 2 DOI: 10.1504/IJEWM.2010.035065), Vol. No. 6, Issue 3/4, pp. 309-326.

Iyiegbuniwe, E. (2009). “Can Food Safety Go Green?” A Discussion in Three Scenes (NEHA Food Safety Expert Panel Discussion: Edited by Rebecca Berg). *Journal of Environmental Health* Vol. 72, no. 3, pp. 29-33.

Iyiegbuniwe, E. (2008). Implementing Occupational Hazards Intervention Program for Small Farms. Proceedings of the Environmental Public Health Leadership Institute, Centers for Disease Control and Prevention; <http://www.cdc.gov/nceh/ehs/EPHLI/projects.htm>

Iyiegbuniwe, E., Chekuri, L., Iyiegbuniwe, A. (2007). Workers’ Exposures to Ultra-fine Particulate Matter during Automobile Components Production. *Int. J. Nanomanufacturing*_Vol. 1, No.5, pp. 608-626.

Iyiegbuniwe, E., Iyiegbuniwe, A., Chekuri, L, Lewis, J. (2007). Nanomaterials and Health: A Critical Review of Exposure Assessment and Control Strategies. *Int. J. Nanomanufacturing*, Vol. 1, No.5, pp. 574-591.

Iyiegbuniwe, E., Chekuri, L., Iyiegbuniwe, A. (2006). Workers’ Exposures to Ultra-fine Particulate Matter during Automobile Components Production. Proceedings of the 5th International Surface Engineering Congress, October 2006, ASM International, Materials Park, OH 44073, ISBN-10:0-87170-843-4, Vol. 5, pp. 63-72.

Iyiegbuniwe, E. (2006). Air Quality in Rural Nigeria. *The Synergist*, Volume 17, Number 6 (International Occupational Hygiene Issues), June/July 2006.

Conroy, L., Iyiegbuniwe, E. (2000). Characterization of Industrial Crossdrafts and Their Effect on Hood Capture Efficiency. “Proceedings of the 6th International Symposium on Ventilation for Contaminant Control,” Helsinki, Finland, June 2000, Vol. 1, pp. 4-7

Obi, C.L., Iyiegbuniwe, A.E., Olukoya, D.K., Babalola, C., et al. (1996). Antibigrams and plasmids of *Staphylococcus aureus* and coagulase negative staphylococci isolated from different clinical sources. *Central African J. Medicine*, Vol. 42(9), pp. 258-61.

Book Chapters

Iyiegbuniwe, E. (2014). Environmental Policies and Issues in Belize. Published In Comparative Perspectives on Environmental Policies and Issues. Routledge Press, Taylor & Francis Group, New York, NY 10017, pp. 374-399.

Iyiegbuniwe, E. and Dibie, R. (2014). Environmental Health Policies and Issues in Canada. Published In Comparative Perspectives on Environmental Policies and Issues. Routledge Press, Taylor & Francis Group, New York, NY 10017, pp. 117-156.

Work in Progress

Iyiegbuniwe, E. (submitted). Analysis of Energy Management and Sustainability Strategies at a University Campus in Kentucky. *International Journal of Environment, Health and Business Management* (submission acknowledged, peer review in progress).

Kodali, S. and Iyiegbuniwe, E. Analysis of Current Measurement Approaches and Regulatory Framework for Nanoparticles. Submitted to the International Conference on Environment, Pollution and Prevention (ICEPP 2015).

Iyiegbuniwe, E.; Rodriguez, M., White, J.B., Taylor, R.D., and Nagy, C. Evaluation of Self-reported Health Symptoms and Indoor Air Quality at a South-central Kentucky University.

Conference Proceedings and Presentations

- 1) Iyiegbuniwe, E. and Ufelle, A. Noise Exposure Assessment for University Police Officers during Rifle and Shotgun Qualifications. Accepted for presentation at the 13th Annual International Symposium on Environment, Athens, Greece, May 28-31, 2018.
- 2) Iyiegbuniwe, E. Ethiopia's Gibe III Dam: Development Challenges, Environmental Public Health, and Political Impacts. Paper presented at the 10th Water Resources and Policy Initiatives (WRPI) Annual Conference, Palm Desert, CA, April 5-6, 2018.
- 3) Iyiegbuniwe, E. Residential indoor environmental quality assessment among Katu families in Nam Dong, Vietnam. Paper presented at the 145th Annual Meeting and Exposition of the American Public Health Association (APHA), Atlanta, November 4-8, 2017.
- 4) Iyiegbuniwe, E. and Igwe, J. Indoor Environmental Quality Assessment and Asthma Education for Older Adults at Fort Webb Manor in Bowling Green, Kentucky. Paper presented at the 144th Annual Meeting and Exposition of the American Public Health Association (APHA), Denver, October 29 – November 2, 2016.
- 5) Iyiegbuniwe, E., Nwosu U., and Kodali S. A Review of Occupational Health and Safety Implications of Exposure and Risk Management of Carbon Nanotubes and Carbon Nanofibers. Paper presented at the International Conference on Environment, Pollution and Prevention, Dubai, UAE, December 5-6, 2015.
- 6) Iyiegbuniwe, E., Kratt, A., Peters V., and Fulkerson, L. A Pilot Study of Indoor Air Quality Assessment of Selected Homes in Gales Point, Belize. Paper presented at the 142nd Annual Meeting and Exposition of the American Public Health Association (APHA), New Orleans, November 14-19, 2014.
- 7) Iyiegbuniwe, E. Energy Profile, Policy, and Sustainable Development in Belize. Paper Accepted for Presentation at the 37th World Energy Engineering Congress (WEEC), Association of Energy Engineers (AEE) Annual Meeting, Walter E. Washington Convention Center in Washington, DC, October 1-3, 2014.

- 8) Igwe, J., Bhojar, S., Upadhyay, V., Modi, P., Dormoh, B. and Iyiegbuniwe. E. IAQ Assessment and Asthma Education for Older Adults at Fort Webb Manor in Bowling Green, Kentucky. Presented at the Kentucky Public Health Association (KPHA) Conference, Louisville, KY, March 2014
- 9) Kratt, A., Peters V., Fulkerson, L. and Iyiegbuniwe. E. A Pilot Study of Indoor Air Quality Assessment of Selected Homes in Gales Point, Belize. Presented at the Kentucky Public Health Association (KPHA) Conference, Louisville, KY, March 2014
- 10) Kodali, S. and Iyiegbuniwe. E. A Review of Current Regulatory Framework for Nanoparticles. Presented at the 14th Annual National Institute for Occupational Safety and Health (NIOSH) Pilot Research Project (PRP) Symposium, University of Cincinnati, OH, October 10-11, 2013.
- 11) Nwosu, U. and Iyiegbuniwe. E. A Review of Occupational Health & Safety Implications of Exposure and Risk Management of Carbon Nanotubes and Carbon Nanofibers. Presented at the 14th Annual National Institute for Occupational Safety and Health (NIOSH) Pilot Research Project (PRP) Symposium, University of Cincinnati, OH, October 10-11, 2013.
- 12) Iyiegbuniwe, E. Energy Management and Sustainability at Western Kentucky University. Presented at the 36th World Energy Engineering Congress (WEEC), Association of Energy Engineers (AEE) Annual Meeting, Walter E. Washington Convention Center in Washington, DC, September 25-27, 2013.
- 13) Evans J. and Iyiegbuniwe, E. The Outcomes of Study Abroad When Integrated as Service Learning. Presented at the 2013 Kentucky Innovations Conference, University of Kentucky, Lexington, KY, May 16-17, 2013.
- 14) Iyiegbuniwe, E. Net Zero Energy: A Case Study with Richardsville Elementary School in Kentucky. Presented at the 35th World Energy Engineering Congress (WEEC), Association of Energy Engineers (AEE) Annual Meeting, Georgia World Congress Center, Atlanta, GA, October 31–November 2, 2012
- 15) Iyiegbuniwe, E. City as Text© Pedagogy for Experiential Learning. Presented at the 2012 Kentucky Innovations Conference, Northern Kentucky University (NKU) METS Center, Erlanger, May 15-17, 2012
- 16) Iyiegbuniwe, E. Indoor Air Pollution: Assessment of Selected Environmental Parameters at a Rural Village in Nigeria. Presented at the 139th Annual Meeting and Exposition of the American Public Health Association (APHA), Washington, DC, November 2011
- 17) Advani, S., Ufelle, A. and Iyiegbuniwe, E. Healthy Home Environment: Indoor Air Quality Assessment among Refugees in Bowling Green, Kentucky. Presented at the 139th Annual Meeting and Exposition of the American Public Health Association (APHA), Washington, DC, November 2011
- 18) Bhojar, S. and Iyiegbuniwe, E. Particulate Indoor Air Quality Assessment among Low Income Ethnic Communities in Bowling Green, KY. Presented at the 139th Annual Meeting and

Exposition of the American Public Health Association (APHA), Washington, DC, November 2011

- 19) Iyiegbuniwe, E. Assessment of LEED Indoor Environmental Quality Parameters at a New Church Building in South-Central Kentucky. Presented at the 34th World Energy Engineering Congress (WEEC), Navy Pier, Chicago, IL, Oct. 2-14, 2011
- 20) Iyiegbuniwe, E., Conroy, L. Lead Exposure Determination during Bridge Paint Removal. Presented at the Academic Conference on Intellectual Perspectives & Multi-disciplinary Foundations, Intellectbase International Consortium, Las Vegas, Nevada, Volume 13, (ISBN: 1940-1876), December 16-18, 2010
- 21) Nair, R., Dhar, S. and Iyiegbuniwe, E. Healthy-home Environment and Asthma Awareness for Refugees in South-central Kentucky. Presented at the 138th Annual Meeting and Exposition of the American Public Health Association (APHA), Denver, November 2010
- 22) Iyiegbuniwe, E., Nagy C., Rudolph, J. Occupational Noise Exposure Assessment of Rural Small Farmers in Kentucky. Presented at the American Industrial Hygiene Conference & Exposition (AIHCE) (PO 112 Agricultural Health and Safety), Toronto, Canada, June 2009
- 23) Ufelle, A. and Iyiegbuniwe, E. A Pilot Study of Occupational Hearing Loss Assessment of South-central Kentucky Farmers. Presented at the Kentucky Public Health Association (KPHA) Conference, Louisville, KY, March 2009
- 24) Iyiegbuniwe, E., Puppala, K., Valsangkar, S., Bramblett, L. Occupant-reported Symptoms and Prevalence of Fungi in a University Academic Building with a History of Moisture and Indoor Air Quality Problems. Presented at the American Industrial Hygiene Conference & Exposition (AIHCE), Minneapolis, MN, June 4, 2008
- 25) Iyiegbuniwe, E. (2008). Implementing Occupational Hazards Intervention Program for Small Farms. Proceedings of the Environmental Public Health Leadership Institute (EPHLI), National Center for Environmental Health, Centers for Disease Control and Prevention (CDC), <http://www.cdc.gov/nceh/ehs/EPHLI/projects.htm> (EPHLI 2007-2008)
- 26) Mishra, S. and Iyiegbuniwe, E. Indoor Air Quality in Two University Buildings: Occupants' Perceptions and Analysis of Microbial Concentrations. Presented at the 136th Annual Meeting of American Public Health Association, San Diego, CA, Nov. 2008
- 27) Ejike, C. and Iyiegbuniwe, E. Indoor Environmental Pollution: A Growing Health Concern in Nigeria. Presented at the Southeast Regional Environmental Science and Health Symposium, Centers for Disease Control and Prevention (CDC), Atlanta, GA, 2007
- 28) Iyiegbuniwe, E. Occupational Noise Exposure Assessment of South-Central Kentucky Farms. Presented at the 8th Annual National Institute for Occupational Safety and Health (NIOSH) and University of Cincinnati Pilot Research Project (PRP) Symposium, 2007

- 29) Iyiegbuniwe, E. Environmental Health in Africa: Challenges and Opportunities. Presented at the 8th Annual Southern Interdisciplinary Roundtable on African Studies (SIRAS) Conference, Kentucky State University, Frankfort, KY, April 2007
- 30) Iyiegbuniwe, E. Assessment of Workers' Noise Exposures at Three Manufacturing Facilities in South-Central and Western Kentucky. Presented at the Kentucky Public Health Association (KPHA) Conference, Louisville, KY, March 2007
- 31) Iyiegbuniwe, E., Preliminary Environmental Assessment of the Mayan People of Red Bank in Belize, Central America. Presented at the KPHA Conference, Louisville, KY, March 2007
- 32) Valsangkar, S., Iyiegbuniwe, E., Bramblett, L. Prevalence of Fungi in a South-central Kentucky School Building with a History of Moisture and Indoor Air Quality Problems. Presented at the KPHA Conference, Louisville, KY, March 2007
- 33) Kandimalla, Y., Iyiegbuniwe, E. Analysis of Indoor Air Quality Questionnaire Conducted at Academic Complex and Grise Halls at Western Kentucky University. Presented at the KPHA Conference, Louisville, KY, March 2007
- 34) Iyiegbuniwe, E. Institute Uses "City as Text" or "Walkabout" Methodology for Student Engagement. Teaching Spirit, Vol. 18 No. 6, pp. 1-5, 2006
- 35) Lewis, J., Iyiegbuniwe, E., Chekuri, L. Case Study: "Train-the-Trainer" Hazard and Emergency Awareness Training for Kentucky Healthcare Professionals Assisting Elders Prepare for Bioterrorism. Presented at the 134th Annual Meeting of the American Public Health Association, November 2006
- 36) Iyiegbuniwe, E., Lartey, G., Odonwodo, D., Lewis, J. NGOs and Public Health in Africa: Health Promotion Programs to Reduce Diseases and Disabilities. Presented at the 39th Annual Conference of the African Heritage Studies Association, Orlando, FL, October 2006
- 37) Iyiegbuniwe, E., Chekuri, L. Workers Exposures to Ultrafine Particles during Engineered Automobile Parts Production. Presented at the International Society for Surface Engineering Conference (ISEC), May 2006
- 38) Iyiegbuniwe, E. A Study of Indoor Environmental Quality in a South-Central Kentucky Childcare Facility. American Industrial Hygiene Conference & Exposition, May 2006
- 39) Rodriguez, M., Iyiegbuniwe, E. Indoor Air Quality in a South-Central Kentucky School: Prevalence of Bacteria and Fungi. Presented at the 133rd Annual Meeting and Exposition of the American Public Health Association (APHA), December 2005
- 40) Iyiegbuniwe, E. Occupational Hearing Loss: Public Health Approach to Prevention and Control. Presented at the 133rd Annual Meeting and Exposition of the American Public Health Association (APHA), December 2005

- 41) Iyiegbuniwe, E., Rodriguez M. Indoor Air Quality in a South-central Kentucky School Part I: Environmental Parameters, Symptoms, and Fungi. Proceedings of the American Industrial Hygiene Conference & Exposition (AIHCE), May 2005
- 42) Iyiegbuniwe, E., Jones, S., Gates, D. Reducing Farmers' Risk for Hearing Loss. Annual Conference of the Kentucky Public Health Association (KPHA), April 2005
- 43) Iyiegbuniwe, E., Jones, S., Gates, D. Reducing Farmers' Risk for Hearing Loss Part II. Annual Conference of the Kentucky Nurses Association (KNA), October 2004
- 44) Jones, S., Gates, D., Iyiegbuniwe, E. Reducing Farmers' Risk for Hearing Loss Part I. Annual Conference of the Kentucky Nurses Association (KNA), October 2004
- 45) Iyiegbuniwe, E. Workplace Inspections: A Proactive Approach to Health and Safety. Polyurethane Manufacturers' Association of America Annual Meeting, October 2001
- 46) Iyiegbuniwe, E. Designated Substances: Regulatory Requirements and Field Monitoring Procedures. Annual Meeting of the Occupational Health Physicians of Ontario, Toronto, Canada, November 1998
- 47) Iyiegbuniwe, E., Conroy, L. Site-specific Emission Factors and Crossdrafts for 16 Vapor-phase Degreasers under Normal Operating Conditions. Proceedings of the American Industrial Hygiene Conference and Exposition, Dallas, TX, May 1997
- 48) Iyiegbuniwe, E., Conroy, L. Workers Exposures and Emission Factors Determination for Lead and Other Metals during Bridge Paint Removal. Proceedings of the American Industrial Hygiene Conference and Exposition, Kansas City, MO, May 1995
- 49) Iyiegbuniwe, E., Conroy, L., and Scheff, P. Lead Concentrations and Emission Factors during Bridge Paint Removal. Proceedings of the Air and Waste Management Association, CONF Proceeding 88; Vol. 10, pp. 95-WP82.03, 1995

Other Presentations and Workshops

- 1) Iyiegbuniwe, E. (2010). City as Text© Pedagogy for Experiential Learning. A workshop presentation to the faculty and staff at Western Kentucky University (WKU)
- 2) Iyiegbuniwe, E., Nagy, M.C., and Rudolph, J. (2008). Occupational Noise Exposure Assessment of South-Central Kentucky Farms. Presentation at the National Institute for Occupational Safety and Health (NIOSH) Pilot Research Project (PRP) Symposium
- 3) Iyiegbuniwe, E. (2007). Public Health in Africa: Challenges and Opportunities. Presented at the Annual Meeting of the Rotary Club of Bowling Green, KY.
- 4) Iyiegbuniwe, E. (2006). Reducing Workers' Risks to Contaminants of Public Health Importance: Environmental Health Students' Experience. WKU Conference on Engaging the Spirit 2006 Best Practices for Student Success.

- 5) Iyiegbuniwe, E. (2006). The Challenges and Solutions to Engaging Students at a Distance. Presented at the WKU Conference on Engaging the Spirit, “Best Practices for Student Success”
- 6) Iyiegbuniwe, E., Taylor, R. D. and Golla V. (2006). *40-Hour OSHA Compliance Refresher*. Workshop presented for Environmental Health & Safety Resource Center’s Continuing Education Program, Western Kentucky University Bowling Green, KY.
- 7) Iyiegbuniwe, E. and Taylor, R. D. (2005). *8-Hour OSHA Compliance Refresher*. Workshop presented for Western Kentucky University’s Continuing Education Program, Bowling Green, KY.
- 8) Iyiegbuniwe, E. and Witten, T. (2005). *8-Hour OSHA Compliance Refresher* workshop presented to employees of Siemer Milling, Hopkinsville, KY.
- 9) Iyiegbuniwe, E. (2005) The Asian Tsunami – The Threat of Malaria in the Tsunami-stricken Areas of South Asia. Radio International Forum, National Public Radio, WKYU-FM
- 10) Handy, R.G. Iyiegbuniwe, E. (2004). *8-Hour OSHA Compliance Refresher*. Workshop presented workshop presented to employees of the City of Bowling Green, KY.
- 11) Iyiegbuniwe, E. Toxic Molds: National Public Radio’s “Meet the Experts Forum,” WJCH, July 2001.
- 12) Iyiegbuniwe, E. (2001). Workplace Inspections: A Proactive Approach to Injury Prevention, TJH & Associates Inc. Fall 2001.
- 13) Iyiegbuniwe, E. (1998). Workplace Hazardous Substances: Field and Laboratory Monitoring Approaches presented to Occupational Medicine Seminar for Health Professionals in Ontario, Canada.
- 14) Iyiegbuniwe, E. (1998). Microbiological Contaminants and Sources. Educational Program Innovations Center (EPIC) Workshop on “Indoor Air Quality: Problems and Solutions,” Toronto, Canada.
- 15) Iyiegbuniwe, E., Conroy, L. Bridge Painter Exposure to Lead and Other Metals. Presented at the Sigma Xi Graduate Student Research Forum, University of Illinois at Chicago, 1995

Grants, Manuscripts, and Books Reviewed

Grants Reviewer

National Institute for Occupational Safety and Health and University of Cincinnati’s Pilot Research Project (PRP) grant program, 2007 to 2016.

Manuscripts and Abstracts Reviewer

- American Public Health Association (APHA) Annual Conference Abstracts: Public Health Education and Health Promotion (PHEHP) and Environment Sections, 2016 to Present
- Annual Biomedical Research Conference for Minority Students (ABRCMS), 2015 to Present
- Journal of Public Health Nursing, Wiley Publishers, 2008 to Present
- International Journal of Nanoparticles, Inderscience Publishers, 2006 to Present
- International Journal of Nanomaterials, Inderscience Publishers, 2006 to 2009
- Molles' Environmental Science (Chapter 7: Terrestrial Resources), WH Freeman & Company, New York, 2013
- Christensen's Biology and Environmental Science (DK Eyewitness Environment), Pearson Education | Benjamin Cummings Publishing Company, 2007

Dissertation/Thesis/Capstone Project Committees

1. Siamak Doroodi (Chair). Completed December 11, 2017. A Pilot Study of Occupational Noise Exposures among Selected CSUSM Employees MPH Thesis, CSUSM
2. Deanna LaFon (Chair). Completed December 11, 2017. How Does e-Health Improve Chronic Disease Self-Management in Older Adults? - A Systematic Review of the New Research on Aging and Technology. MPH Capstone Project, CSUSM
3. Lisa Hammond, Shawnee Morgan, and Olivia Nolan (Chair). Completed December 11, 2017. Lactation Supportive Campus Environment: An Analysis of Student-Parent Breastfeeding Experiences on CSUSM. MPH Capstone Project, CSUSM
1. Andrew Kester (Member). Completed May 12, 2017. *Paramedics Perceptions of Ionizing Radiation*. PhD Thesis in Educational Leadership Studies, WKU
2. Mark Allen (External Examiner). Completed August 3, 2015. *Analysis of the Impact of Occupational Safety and Health Policy in Trinidad and Tobago*. PhD Thesis in Occupational/Environmental Safety and Health, Graduate Studies & Research, The University of the West Indies, Jamaica
3. John Igwe (Chair). In Progress. *Assessment of Indoor Air Quality at The Housing Authority of Bowling Green's Fort Webb Manor*. MPH Thesis, WKU
4. Adam Kratt (Chair). 2014. *A Pilot Study of Indoor Air Quality Assessment of Selected Homes in Gales Point, Belize*. BS Research Project, WKU
5. Usonwanne Nwosu (Primary Reader). 2013. *Association between fluoride in drinking water and dental caries in children of South Central Kentucky*. MPH Capstone, WKU
6. Carrie Wimsatt (Second Reader). 2012. *Relationship between Perceived Stress and Environmental Factors Affecting Medical Laboratory Scientists at the Medical Center in Bowling Green Kentucky*. MPH Capstone, WKU
7. Ikechukwu Ibekwe (Primary Reader). 2012. *Noise Exposure Assessment of WKU Police Officers during Rifle and Shotgun Qualifications at an Outdoor Firing Range*. MPH Capstone, WKU
8. Jonathan Suhl (Member). 2012. *Inter-Method Comparison of EPA Analytical Methods 507 and 508.1*. MPH Thesis, WKU

9. Hilda Owusu (Primary Reader). 2012. *Risk of Low Birth Weight and Very Low Birth Weight from Particulate Matter Speciation Chemicals*. MPH Capstone, WKU
10. Deborah Reed (Chair). 2011. *Identifying Roadblocks to Rabies Vaccination of Pets*. MPH Capstone, WKU
11. Ify Okwechime (Primary Reader). 2011. *Environmental Assessment and Monitoring Regime for Atrazine in Drinking Water for Kentucky*. MPH Capstone, WKU
12. Shabbar Ranapurwala (Second Reader). 2009. *Exposure to Tobacco among Migrant Farmers*. MPH Capstone, WKU
13. Monica Rodriguez (Chair). 2005. *Indoor Air Quality in a South-Central Kentucky School: Prevalence of Bacteria and Fungi*. MPH Thesis, WKU
14. Najla Gubari (Member). 2005. *Exposure Assessment of Mercury in Fish from Kentucky Surface Waters*. MPH Thesis, WKU

PROFESSIONAL SERVICE ACTIVITIES

I. University Services:

- Director, Master of Public Health Committee and Sub-committees
- Member, College of Education, Health & Human Services Leadership Council
- Member, CSUSM's Graduate Studies Council
- Member, CSUSM's Community Engagement Faculty Advisory Committee
- Member, CSUSM's Service Learning Advisory Council
- Member, CSUSM's Environmental, Health, Occupational & Public Safety Committee
- Program Director, Environmental Health Science; also assists the MPH Program Director
- Chair, Environmental Health Science Advisory Board
- Director of the Environmental Health and Safety Resource Center, Department of Public Health, College of Health and Human Services at Western Kentucky University (2003-2007).
- Graduate faculty member and advisor to graduate students in the MPH Environmental Health program (Thesis Committee and Capstone Projects)
- Member, CHHS Advising and Retention Committee
- Member, MPH Admissions Committee
- Member, Public Health Program Committee
- Chair, MPH Recruitment and Retention Committee
- Graduate Faculty and Public Health Graduate Curriculum Committee
- Member, College of Health and Human Services Sabbatical Committee (2005/2006)
- Member, College of Health and Human Services Complaints Committee (2005-Date)
- Member, Environmental Health Science Program Committee
- Member, Environmental Health and Safety Program Review/Proposal Committee
- Member, Public Health Search Committee for Assistant Professor (2003-Date))
- Member, Western Kentucky University Graduate Council
- Member, College of Health and Human Services Sabbatical Committee
- Member, Department of Public Health Graduate Curriculum Committee
- Member of WKU Faculty Committee for NIOSH scholarships to EHS students (2003-2006)
- Faculty Preceptor in charge of environmental health training for AHEC/UofL Rural Rotation Program), Department of Family and Community Medicine, University of Louisville

- Mentor, WKU Gateway VIP Mentor/Mentee Program
- Judge, WKU Annual Student Research Conference
- Science Fair Judge, Southern Kentucky Regional Science Fair (annual event)
- Member, Environmental Health Faculty, Kentucky Council on Postsecondary Education (Public Health Statewide Initiative) charged with developing on-line MPH program
- Faculty Member, Building Epidemiology Capacity in Kentucky (BECKY)
- Faculty Member, Global Health Service Learning Program to Belize
- Faculty mentor, Environmental Health Science Students Association
- Faculty Member, International Affairs Section of Association of Energy Engineers/World Energy Engineering Congress

II. Professional Services:

- Member, American public Health Association – Public Health Education & Health Promotion (PHEHP) and Environment Sections
- Member, San Diego American Industrial Hygiene Association - Special Projects Coordinator
- Editorial Board Member, International Journal of Nanoparticles (IJNP), ISSN (Online): 1753-2515 - ISSN (Print): 1753-2507
- Advisory Board / Steering Committee, National Institute for Occupational Safety and Health (NIOSH)/University of Cincinnati's Pilot Research Project (PRP) symposium (2007-Date)
- Reviewer, National Institute for Occupational Safety and Health (NIOSH)/University of Cincinnati Pilot Research Project (PRP) for grant proposals in occupational health and safety research for funding period 8/15/04-Present
- Reviewer, Journal of Public Health Nursing, Manuscript Central (2008 – present)
- Reviewer of Norman Christensen's DK Eyewitness Environment – Biology and Environmental Science (an environmental science text for non-majors)
- Director, Environmental Health & Safety Resource Center & J.J. Keller Health & Safety Lab
- Member, AIHA Exposure Assessment Strategies Committee
- Member, AIHA International Affairs Committee
- Member, AIHA International Affairs Subcommittee (Africa and Middle East)
- Member, Kentucky Rural Health Association (KRHA) Finance Committee
- Member, Warren County Public Schools Parents/Teachers Association (Richpond, Briarwood, Drakes Creek and South Warren)

III. Community Services:

- North San Diego County Community Leadership Team (NCCLT)
- Directed students to conduct comprehensive industrial hygiene studies for various companies in KY as part of industrial hygiene consultation and student engagement program to enhance their understanding of practical research methods, applications and skills in air quality management (2003-Date)
- WKU faculty member of the International Service Learning Program (ISLP) that traveled with a group from the University of Louisville, KY to Belize, Central America to conduct service learning activities with groups of students, March 2005
- South Warren Middle and High School Parent / Teachers Association, South Warren Football and Basketball Parents Clubs

NON-ACADEMIC EXPERIENCE

- 09/00–04/02 *Senior Consultant*, Environmental Health and Safety: TJH, Inc., Lemont, IL
(Fee for Service Agreements > \$400,000.00)
- Developed and taught health and safety courses including Accident Investigation, Incident Investigation, New Employee Health and Safety Orientation, Material Safety Data Sheets, Lead, and Formaldehyde for employees working at VPP sites of a large pharmaceutical company
 - Conducted site-specific health and safety assessment for many multinational companies (including audits, process safety, lockout/tag out, confined space evaluation)
 - Conducted health and safety training, site assessments, surveys, and prepared reports and recommendations to evaluate exposures to environmental and industrial contaminants
 - Provided technical support to attorneys on issues of complex biological and chemical exposures
 - Developed training programs (ProtoTrack™ - a web-based computer program for managing occupational health and safety compliance).
- 09/99–08/00 *Industrial Hygiene Manager*, Environmental Design International Inc., Chicago, IL (Fee for Service Agreements > \$750,000.00)
- Conducted environmental and industrial exposure assessments and audits
 - Hired, trained, and managed eight industrial hygienists and technicians for multi-disciplinary projects on EHS regulatory compliance programs
 - Coordinated occupational health and safety programs
 - Responsible for equipment, budget and maintenance, and the development of proposals, cost estimates, and invoices
- 03/98-09/99 *Senior Occupational Hygienist*, Maxxam Analytics, Inc., Toronto, Canada
(Fee for Service Agreements > \$500,000.00)
- Conducted site-specific environmental health, industrial hygiene, and safety audits and assessments for public and private industries
 - Designed, implemented, and evaluated environmental health programs for various industries in collaboration with the Ontario Ministry of Labor
 - Prepared reports, technical bulletins, and other educational materials
 - Hired new employees and coordinated their health and safety programs
 - Prepared proposals, cost estimates, and equipment maintenance budget
- 01/93–08/97 *Product Safety Coordinator*, John Crane, Inc., Morton Grove, IL
- Developed and implemented company-specific health and safety training
 - Prepared and updated Material Safety Data Sheets and technical bulletins
 - Multi-sites responsibilities for environmental health assessments and audits to evaluate exposures to chemical, physical and biological agents
 - Evaluated emissions testing for open-top vapor degreasers and quality assurance to develop site-specific emission rates and emission factors

01/89–08/92 *NGO Liaison Officer & Occupational Hygienist, Disease Control & International Health, Federal Ministry of Health, Lagos, Nigeria*

- Responsible for planning, development and implementation of training programs for the National AIDS Control Program
- Organized health and safety workshops, symposia, and seminars in collaboration with international donor agencies
- Provided leadership and conducted “Train the Trainer” workshops on AIDS prevention and control to various Nigerian NGOs
- Conducted occupational health inspections, audits, and assessments
- Prepared technical documents on hazardous chemicals and provided guidance to communities on trans-border transportation of chemicals

05/88-12/89 *Medical Laboratory Scientist, Prince Diagnostic Services, Nigeria*

- Hired and supervised laboratory technicians and scientists
- Directed and conducted medical laboratory diagnosis and analysis of various clinical specimens and samples
- Prepared written reports for various hospitals, clinics, and medical centers
- Prepared budgets and invoices; responsible for the purchase, calibration and maintenance of equipment, instrumentation, and lab consumables
- Served as liaison between medical laboratory staff and hospitals/clinics