

# **CURRICULUM VITAE**

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**Citizenship:** Taiwan/U.S. Permanent Resident

## **Education:**

### **Undergraduate**

Bachelor of Science in Public Health 1988-1992  
Kaohsiung Medical College Kaohsiung, Taiwan.

### **Graduate**

Master of Science in Public Health 1994-1996  
Tulane University, School of Public Health and Tropical Medicine.  
Department of Environmental Health Sciences.

Doctor of Science 1996-2001  
Tulane University, School of Public Health and Tropical Medicine.  
Department of Environmental Health Sciences.

## **Certification:**

- Weapon of Mass Destruction (WMD) Incident Command from U.S. Department of Homeland Security. 2004. Certificate No. 2145292672
- WMD Hands-On-Training from U.S. Department of Homeland Security. 2004. Certificate No. 2145292673
- Hazardous Materials Technician (OSHA 29 CFR 1910.120)
- Modular Emergency Response Radiological Transportation Training from U.S. Department of Energy
- HazMat Training from Baton Rouge Area Mutual Aid System (B.R.A.M.A.S.)
- Chemical Risks in Your Neighborhood. Continuing Education from School of Public Health, New York State University at Albany.
- Strategic National Stockpile from Louisiana Department of Health and Hospitals
- Emergency Response to Domestic Biological Incidents. Louisiana State University Academy of Counter-Terrorist Education

## **Training**

Biomedical Research (CITI) - Basic/Refresher, Basic Course Passed - 12/17/08  
Biomedical Research (CITI) - Basic/Refresher, Refresher Course/Group2 – 10/25/2011  
Biomedical Research (CITI) - Basic/Refresher, Basic Course/1 – 9/12/2014  
Louisiana Board of Ethics - 2012 Code of Ethics Training for Public Servants - 3/14/2012  
Louisiana Board of Ethics - 2015 Code of Ethics Training for Public Servants - 2/26/2015

**Academic, Professional, and Research Appointments:**

2011 - present Associate Professor, tenured.  
Environmental and Occupational Health Sciences (ENHS) Program.  
School of Public Health. Louisiana State University Health Sciences  
Center

2005 - 2011 Assistant Professor, tenure track.  
Environmental and Occupational Health Sciences (ENHS) Program.  
School of Public Health. Louisiana State University Health Sciences  
Center

2010 - present Adjunct Assistant Professor. Department of Environmental  
Sciences, School of Coast and Environment, Louisiana State  
University

2004 - 2005 Environmental Health Scientist Supervisor.  
Louisiana Department of Health and Hospitals/Office of Public  
Health/Section of Environmental Epidemiology and Toxicology

2002 - 2004 Environmental Health Scientist Coordinator  
Louisiana Department of Health and Hospitals/Office of Public  
Health/Section of Environmental Epidemiology and Toxicology

2001 - 2002 Research Consultant  
Tulane University, School of Public Health and Tropical Medicine  
Department of Environmental Health Sciences

1997 - 2001 Research Associate  
Tulane University, School of Public Health and Tropical Medicine  
Department of Environmental Health Sciences

1995 - 1997 Research Assistant  
Tulane University, School of Public Health and Tropical Medicine  
Department of Environmental Health Sciences

1992 - 1994 Wastewater Treatment Plant Manager  
The Chinese Army Corps. The 802 Army General Hospital. Taiwan

**Membership in Professional Organizations:**

- Water Environment Federation (WEF)
- WEF Residuals & Biosolids committee - Agriculture & Industrial Byproduct Subcommittee

- Louisiana Water Environment Association (LWEA)
- Serve as faculty advisor for LSUHSC SPH American Society of Safety Engineers (ASSE) student chapter
- Association of Schools and Programs of Public Health (ASPPH) Environmental and Occupational Health Council.
- ASPPH Council on Learning Futures
- Academy for the Advancement of Educational Scholarship - Communication Committee
- Interstate Chemical Threats Workgroup
- American Public Health Association (APHA) - Environment Section

#### **Awards and Honors:**

- "Most Outstanding Doctoral Dissertation 2001-2002", Delta Omega National Honor Society, ETA Chapter, New Orleans, LA.
- Recognition Award from National Council of Science and Technology in Mexico
- Outstanding Dedication and Commitment from Department of Health & Hospitals Office of Public Health
- Accepted for Academy for the Advancement of Educational Scholarship as Fellow, 2007
- Emerald's 2011 Awards for Excellence - Highly Commended Awards Management of Environmental Quality Journal "Metals evaluation in coastal wetlands receiving treated wastewater".

#### **Teaching Experience/Responsibilities:**

##### **Course/Clerkship/Residency or Fellowship/CME Directorships**

2008 – present: ENHS 6238 Principles of Environmental Health - Course Co-Instructor

[3-credit hours school core course for MPH student, offered in Spring and Summer]

This course explores the relationships between man and the natural environment by examining the impact of human activities on air, water, soil, and food quality, and by analyzing the outcomes of encounters between humans and natural events, venomous animals, and toxic plants and fungi.

Responsibilities: provide lectures in the topics of health risk assessment, hazardous waste management and water quality management.

2005-2008: ENHS 6238 Principles of Environmental Health - Course Director [3-credit hours school core course for MPH student, offered in Spring and Summer]

This course explores the relationships between man and the natural environment by examining the impact of human activities on air, water, soil, and food quality, and by analyzing the outcomes of encounters between humans and natural events, venomous animals, and toxic plants and fungi.

Responsibilities: develop course outline and syllabus, design course contents, prepare course materials, provide lectures and evaluate student performance.

2005 – present: ENHS 6245 Health Risk Assessment and Management Communication - Course Director

[3-credit hours program required course for MPH student, offered in Spring]

This course provides students with the knowledge and methodology to determine whether current or future chemical exposures will pose health risk to certain population or ecosystems. The objectives of this course are (1) to provide the concept of environmental health risk assessment, (2) to understand the basic components of risk assessment, (3) to understand the methods for risk analysis and management, (4) to familiarize with different toxicological databases and resources, (5) to familiarize with the regulatory aspect of risk assessment (6) to provide the skills of effective risk communication.

Responsibilities as Course Director: develop course outline and syllabus, design course contents, prepare course materials, provide lectures and evaluate student performance.

2005 – present: ENHS 6246 Water Quality Management - Course Director  
[3-credit hours program required course for MPH student, offered in Spring]

The purpose of this course is (1) to provide an overview of principle of water quality management, (2) to familiarize with water quality law and regulation, (3) to familiarize with water sources/usage and water quality characteristics, (4) to identify water pollution parameters, (5) to examine the available treatments, (6) and to understand the importance of water quality monitoring and protection.

Responsibilities as Course Director: develop course outline and syllabus, design course contents, prepare course materials, provide lectures and evaluate student performance.

2006: EPID 6213 Epidemiology Program Seminar - Guest speaker

“Introduction on Health Risk Assessment”. Provide overview on the basis, methodology and implication of health risk assessment for public health students.

2013: EPID 6216 Biologic Basis of Health – Guest speaker

“Health risk assessment and management”. Provide overview on the basis, toxicology, methodology and implication of health risk assessment for public health students.

### **Curriculum Development/Implementation**

- Review curriculums of Environmental Health programs in the peer institutes and develop program competency in preparation for school accreditation
- Develop and periodically review the curriculum objectives, content and implementation for all academic programs with School of Public Health.

- Recommend curriculum revisions in accordance with school mission, strategic plan, and national accreditation guidelines.
- Review, approve and monitor objectives, competencies and content for program and courses in the Curriculum Committee.
- Develop and review policies to enhance quality of education in the school – Policy and Procedure Workforce
- Serve as Curriculum Committee chair. August 2011- June 2013

### **Creation of Enduring Teaching Materials**

- Developed School of Public Health core course Principles of Environmental Health and course materials was adapted by Dr. David Lirette. 2009

### **Formal Course Responsibilities –**

- Guest speaker of "Environmental Engineering Unit Operations" course in Tulane University. Lecture and demonstrated the toxicity analysis for water samples utilizing Microtox Toxicity Test. Graduate level, 2 hours/year, 2001.
- Teaching Assistant for Course “Water and Wastewater Chemistry Laboratory”. Participated in lecture and conduct experiments in environmental sciences and engineering, including coagulation, water softening, chlorination, biochemical oxygen demand, chemical oxygen demand, total organic carbon and nutrients analysis. Graduate level, 60 hours/year, 1997-2000.

### **Departmental/Interdisciplinary Conferences – Morning Report, Grand Rounds, Tumor Board, Departmental Seminar Series, etc**

- Epidemiology Program Seminar - Introduction on Health Risk Assessment

### **Teaching Awards:**

- Accepted for Academy for the Advancement of Educational Scholarship as Fellow and founding member, 2007.

### **Graduate Students Advised and Trained:**

Syed Atif Ahsan	MPH 2008
Crystal Jones	MPH 2008 (Best Poster Award 2008)
Anna Wanko	MPH 2009
Claire Pitre	MPH 2009
Jonathan Schoen	MPH 2009
Ian Roderick	MPH 2009
David Slaughter	MPH 2010 (Best Poster Award 2010)
Bryan Vidrine	MPH 2010
Adrienne Woods	MPH 2012
Benjamin Castleberry	Ongoing

Bridgette Bienville	Ongoing
Carrie Pizzalato	MPH 2013
Zellie Rouse	MPH 2012
Donielle Joseph	MPH 2013
Kensie Smith	MPH 2013
Yiyao Li	MPH 2015
Phillip Tilson	Ongoing
Tracy Exner	Ongoing
Ronnie Adams	Ongoing

### **Student Thesis/Capstone Project Committees:**

Syed Atif Ahsan	“Metal Fume Fever: A Review of Cases Reported to the Louisiana Poison Control Center” 2008
Tim Caylor	“Asthma and its Underlying Causes: Under Review by SCAALA” 2008
Crystal Giles	"Occupation and Prostate Cancer Aggressiveness" 2008 (Best Poster Award 2008)
Claire Pitre	“Methicillin resistant staphylococcus aureus colonization in Terrebonne and Lafourche Parishes” 2009
Jonathan Schoen	“The Use of Salivary Cotinine to Determine Occupational Environmental Tobacco Smoke Exposure” 2009
Anna Wanko	“Bioaerosol Exposures and Outcomes in Dental Hygienists” 2009
Rachel Guy	“Protecting Our Community: A Hazard Survey Analysis.Evaluating A Catastrophic Tank Car Spill of Chlorine Gas” 2009
Ian Roderick	“Mercury Toxicity from Consumption of Louisiana Fish and Shellfish” 2009
Prixia Nieto	“Diagnosis and Clinical-Pathological Findings of Chagas Disease (Trypanosoma Cruzi) in Dogs in South Central Louisiana” 2009
David Slaughter	“A Pilot Study to Assess Heat Stress Risk 2010” (Best Poster Award 2010)
Paula Mischler	“Geospatial Analysis and Ecological Niche Modeling of Chagas Disease in Bolivia 2010” (Best Oral Presentation Award 2010)
Bryan Vidrine	“Physiological Hazards of Recreational Scuba Diving” 2010

Adrienne Wood	“An Investigation into Arsenic Contamination in Louisiana Well Water” 2012
Zellie Rouse	“Toxic Plants: An Analysis of the Availability of Ornamental Plants in the New Orleans Metropolitan Area, Supplier Knowledge and Plant Toxicities” 2012
Carrie Pizzalato	“Phosphate and Nitrate Adsorption by Acid Washed Activated and Non-Activated Biochars Made from Broiler Litter and Sugarcane Bagasse”. 2013
Donielle Joseph	“Health Risks of Fragrances and the Need to Enforce Fragrance-Free Workplaces”. 2013
Kensie Smith	“Surveillance of Antimicrobial Resistance”. 2013
Yiyao Li	“An Analytical Comparison Study of Average Hourly Concentrations of Sulfur Dioxide and PM 2.5 on a Monthly Basis from 2013-2014 in Chalmette Vista, LA”. 2015

## **Grants and Contracts:**

### **Funded**

- Louisiana Public Health Institute (LPHI) Exposure to Second-hand Smoke in the Workplace. Role: Co-PI, subcontractor, \$31,790. October 2008
- CDC Children’s Health Feasibility Study. In partnership with Research Triangle Institute (RTI). Co-Investigator 10% FTE. September 2010. Year 1: \$244,197. Year 2: \$357,915.
- NIH R21 “Health Effects of MC252 Gulf Incident”. Co-Investigator. 11/15/10 to 10/31/12. \$264,659
- Louisiana Board of Regents Research Competitiveness Subprogram. “Quantification of Drinking Water Lead Levels Using Refined Sampling and Analysis Procedures”. Co-Principal Investigator. \$165,548, June 2015 – May 2018.

### **Pending funding**

Not applicable

### **Non-funded applications (last three years)**

- Louisiana Board of Regents Grant Research Competitiveness Subprogram (RCS) Proposals 2012-2013: Modeling the Air Quality Impacts of Extreme Weather Events and Their Association with Cardiovascular and Stroke Events.

- Louisiana Board of Regents Support Fund for Research, Research Competitiveness Subprogram (RCS) Proposals “Modeling the Air Quality Impacts of Extreme Weather Events and Their Association with Cardiovascular and Stroke Events” PI 2011
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#### **Research Review Committee:**

- Gulf States Health Policy Research - (RFA-GSHPC-14-15-001) – Grant reviewer

#### **Papers Presented**

##### **Podium Presentation in Scientific Conference: National**

1. Katner A, **Hu CY**, Diaz J. Drinking water: An Underestimated Source of Lead Exposure? 79th National Environmental Health Association Meeting and US Housing and Urban Development’s Healthy Homes Conference. San Antonio, TX, June 14, 2016
2. Katner AL, Brown KC, **Hu CY**. Drinking Water: An Underestimated Source of Lead Exposure. Accepted for podium presentation at National Lead and Healthy Housing Conference New Orleans, LA, Oct 8, 2015
3. **Hu CY**, Diaz JH, Chiu YW, Tseng TS. Vulnerability and resiliency of Vietnamese community in New Orleans East post Katrina and oil spill. Accepted for podium presentation at International Conference on Methods for Surveying and Enumerating Hard-to-Reach Populations. October 31 - November 3, 2012, New Orleans.
4. **Hu CY**, Chiu YW, Chiu YR, Jin G. “Rainwater harvesting, it’s not just water conservation” accepted for podium presentation at The Urban Affairs Association (UAA) 2011 Conference in New Orleans. March 2011
5. **Hu CY**, Chiu YR, Chiu YW. "GIS-aided planning tool for rainwater harvesting system - a case study in Taiwan" Accepted for podium presentation at 138th American Public Health Association (APHA) Annual Meeting in Denver, CO. November 6-10, 2010.
6. Harrington DJ, **Hu CY**, Diaz JH. “Volatile Organic Air Pollution in the Baton Rouge-New Orleans, Louisiana, Industrial Corridor” Accepted for podium presentation at 138th American Public Health Association (APHA) Annual Meeting in Denver, CO. November 6-10, 2010.
7. Contreras C, Klink J, Lawhorn N, Brown L, Lirette DK, Diaz JH, **Hu CY**, Ragan FA. "Environmental tobacco smoke exposure among Louisiana adults who work in bars and casinos" Accepted for roundtable



presentation at 138th American Public Health Association (APHA) Annual Meeting in Denver, CO. November 6-10, 2010.

8. **Hu CY**, Englande AJ Jr, Jin G. Wetland Restoration: Using Municipal Wastewater as a Resource. Accepted for podium presentation at 137th American Public Health Association (APHA) Annual Meeting in Philadelphia, PA. November 7-11, 2009.
9. **Hu CY**, Diaz JH, Chiu YW, Harrington DJ, Chiu YR. Emergency Post-hurricane Debris Landfills in New Orleans: More Superfund Sites? Accepted for podium presentation at 2009 National Environmental Public Health Conference - Healthy People in a Healthy Environment in Atlanta, Georgia, October 26-28 2009.
10. Diaz JH, **Hu CY**, Harrington DJ. Proportionate Cancer Mortality in Methylmethacrylate-Exposed Healthcare Workers. Accepted for podium presentation at 2009 National Environmental Public Health Conference - Healthy People in a Healthy Environment in Atlanta, Georgia, October 26-28 2009.
11. **Hu CY**, Chiu YR. Rainwater Harvesting or Not? A Cost/Benefit Analysis Using Water-Energy Correlation and GIS-Based Precipitation Simulation in Taipei, Taiwan. Accepted for podium presentation at annual Water Environment Federation Technical Exhibition and Conference (WEFTEC) in Orlando, Florida, October 13, 2009.
12. **Hu CY**, Raymond DJ. Lessons from Hazardous Chemical Incidents – Louisiana Hazardous Substances Emergency Events Surveillance (HSEES) System. Accepted for podium presentation at Mary Kay O'Connor Process Safety Center- 2003 Symposium. College Station, Texas. Oct 28-29, 2003.
13. **Hu CY**, Englande AJ Jr, Wiese T. Methyl tertiary-Butyl Ether (MTBE) Biodegradation in a Continuous Upflow Fixed-Biofilm Reactor. Accepted for podium presentation at Annual Water Environment Federation Technical Conference and Exposition (WEFTEC) 2002, Chicago, September 28-October 2, 2002.
14. Holland J, Hattier L, Reimers R, Englande AJ Jr, **Hu CY**, Geeti A. Comparison of Mixed Oxidants to Ozone for Disinfection and Reduction of Health Risks from Recalcitrant Compounds. Water Environmental federation (WEF) Disinfection 2002: Health and Safety Achieved through Disinfection in St. Petersburg, FL, 17-20 February 2002.
15. Englande AJ Jr, Day J, Jin G, Rybczyk J, **Hu CY**. Wetlands Restoration Using Wastewater Effluent- An Example of Resource Management. Accepted for podium presentation at Water Environment Federation Technical Exhibition and Conference (WEFTEC), New Orleans, October 9-13, 1999.

#### **Podium Presentation in Scientific Conference: International**

1. Chiu YR, Liaw CH, **Hu CY**, Chang HH. Applying GIS-based Rainwater Harvesting Design System in the Water-Energy Conservation Scheme of Large Cities. Accepted for podium presentation at 13th International Conference on Computer Supported Cooperative Work in Design (CSCWD) in Santiago, Chile, April 22-24 2009.
2. **Hu CY**, Acuna-Askar K, Englande AJ Jr. Bioremediation of Methyl Tertiary-Butyl Ether (MTBE) by Innovative Biofilter. Accepted for podium presentation at the 5th International Water Association (IWA) Chemical Industry Group Conference. Nîmes, France 13-15 November 2002.
3. Acuna-Askar K, Englande AJ Jr, **Hu CY**, Jin G. Methyl tertiary-butyl ether (MTBE) Biodegradation in Batch and Continuous Upflow Fixed-biofilm Reactor, presented at Waste Minimization and End of Pipe Treatment in Chemical and Petrochemical Industries, International Association on Water Quality (IAWQ) International Specialist Conference of the Chemical Industries Group, Merida, Yucatan, Mexico, November 12-18, 1999.

#### **Poster Presentation in Scientific Conference: National**

1. Tseng TS, Chiu YW, Yang S, Rosales C, Espinoza F, Behrhorst D, Chen HY and **Hu CY**. "Acculturation, Sugar sweetened beverages consumption and obesity among Latino immigrants in New Orleans" selected to present at the APHA 2016 Annual Meeting & Expo Oct. 29 - Nov. 2, 2016 in Denver.
2. Chiu YW, Tseng TS, , Yang S, Rosales C, Espinoza F, Behrhorst D, Chen HY and **Hu CY**. "Influence of Language Acculturation on Access to Care and Healthcare Utilization in the Latino Community of New Orleans" selected to present at the APHA 2016 Annual Meeting & Expo Oct. 29 - Nov. 2, 2016 in Denver.
3. Katner AL, **Hu CY**, Diaz JH. Legacy of Lead Water Service Lines: Hazard Assessment, Exposure Modeling and Implications to Public Health, Policy and Outreach. Presented at the 55th Annual Meeting of the Society of Toxicology, March 13–17, 2016, New Orleans.
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5. Katner AL, **Hu CY**, Diaz JH. Policy Lapses and Recommendations for Addressing Childhood Lead Poisoning in New Orleans. Presented at the Eighth Health Disparities Conference, New Orleans, LA. March 12-14, 2015.
6. Song Z, Tseng TS, Lai Z, **Hu CY**. Gender disparity in the association between myopia and obesity among middle school adolescents in Taiwan. Presented at the Eighth Health Disparities Conference, New Orleans, LA. March 12-14, 2015.
7. Lai LJ, Tseng TS, **Hu CY**, Chiu YW. Prevalence of myopia and unmet needs of vision care among children and adolescents in rural and underserved areas of Taiwan. Accepted for poster presentation at 142dn

American Public Health Association (APHA) Annual Meeting in New Orleans, LA. November 15-19, 2014

8. **Hu CY**, Rider NL, Diaz JH, Brown L. Assessment of secondhand smoke exposure at workplace among non-smoking hospitality workers. Accepted for poster presentation at 142nd American Public Health Association (APHA) Annual Meeting in New Orleans, LA. November 15-19, 2014
9. Tseng TS, Chiu YW, Espinoza F, **Hu CY**. Cultural and Linguistic Services in a Public Hospital: A Pilot Study. Society of Behavioral Medicine annual meeting. April 2012 New Orleans.
10. Chiu YW, Tseng TS, Behrhorst D, **Hu CY**, Behrhorst J. Examining the Access to Care and Quality of Care in the Latino Community in New Orleans. Accepted for poster presentation at 139th American Public Health Association (APHA) Annual Meeting in Washington, DC. October 29-November 2, 2011.
11. Behrhorst D, Chiu YW, Tseng TS, **Hu CY**. Identifying Issues of Public Health for Latinos in a New Orleans Faith Base Setting. Accepted for poster presentation at 139th American Public Health Association (APHA) Annual Meeting in Washington, DC. October 29-November 2, 2011.
12. Behrhorst D, Chiu YW, Tseng TS, **Hu CY**. Identifying Issues of Public Health for Latinos in New Orleans. Accepted for poster presentation at the Xavier University of Louisiana College of Pharmacy's Fourth Health Disparities Conference. March 27-29, 2011, New Orleans.
13. **Hu CY**, Chiu YW, Diaz JH, Harrington DJ. "Need for Exposure Assessment in the Community near Hurricane Debris Landfill". Accepted for poster presentation at 138th American Public Health Association (APHA) Annual Meeting in Denver, CO. November 6-10, 2010.
14. Diaz JH, **Hu CY**, Harrington DJ. "Global spread of infectious diseases by the mass movement of goods and people in an era of climate change". Accepted for poster presentation at 138th American Public Health Association (APHA) Annual Meeting in Denver, CO. November 6-10, 2010.
15. Diaz JH, **Hu CY**, Harrington DJ. A Case-Control Study of Proportionate Cancer Mortality in Methylmethacrylate-Exposed Healthcare Workers. Poster Session for Previously Presented Research at the 2010 Annual Spring Conference of the American College of Medical Toxicologists, Scottsdale, Arizona, March 12-14, 2010.
16. **Hu CY**, Diaz JH, Chiu YW, Harrington DJ, Behrhorst DK. Environmental Justice for the Community near Hurricane Debris Landfill. 2010 Conference on Environmental Justice, Air Quality, Goods Movement, and Green Jobs: Evolution and Innovation. January 25-27, 2010. New Orleans, Louisiana.

17. Chiu YR, **Hu CY**, Chiu YW. Rainwater harvesting system with GIS-aided resources conservation planning. 2009 National Environmental Public Health Conference - Healthy People in a Healthy Environment in Atlanta, Georgia, October 26-28, 2009.
18. **Hu CY**, Kissler A, Page T, Dugas D, Savoie B. Review of National Response Center Reports for Louisiana: Trend and Risk Factor Analysis for Incidents Involving Injury, Fatality and Evacuation, 1990-2003. Louisiana Public Health Association Annual Conference in Baton Rouge, Louisiana, April 2004.
19. **Hu CY**, Englande AJ Jr, Acuna-Askar K, Jin G. Biodegradation of Methyl Tertiary-Butyl Ether(MTBE) in Continuous Upflow Fixed-Biofilm Reactor. Poster at WEFTEC'99, New Orleans, LA, October 9-13, 1999.
20. Englande AJ Jr, Day J, Jin G, **Hu CY**. Wetlands Restoration by Resource Management using Wastewater Effluent, poster at Environmental State-of-the-state Conference IV, New Orleans, LA, November 5, 1999.
21. **Hu CY**, Acuna-Askar K, Englande AJ Jr, Jin G. Methyl Tertiary-Butyl Ether (MTBE) Biodegradation in Batch and Continuous Upflow Fixed-Biofilm Reactors, poster at Environmental State-of-the-state Conference IV, New Orleans, LA, November 5, 1999.
22. Englande AJ Jr, Day J, Jin G, Rybczyk J, **Hu CY**. Using Wastewater Effluent for Wetlands Restoration- A Case Study. Presented at Third Annual American Wetlands Month Conference, New Orleans, February 18-20, 1999.

#### **Poster Presentation in Scientific Conference: International**

1. **Hu CY**, Englande AJ Jr, Acuna-Askar K. Bioremediation of methyl tertiary-butyl ether (MTBE) contaminated groundwater. Poster accepted for IWA Environmental Biotechnology 2002 Conference in Palmerston North, New Zealand 15-17 April 2002.

#### **Seminars and Invited Presentations (include visiting professorships):**

1. Presentation "Vulnerability of Vietnamese American in New Orleans after disasters" and as panelist at The Impact of Environmental Disasters on Vulnerable Populations conference. March 26, 2012 at Dillard University
2. Case study developed on emergency hurricane landfills in New Orleans was solicited by Agency for Toxic Substances and Disease Registry (ATSDR) staff for a book chapter on chemical releases resulting from hurricanes. 2010.
3. Presentation on Environmental Justice in New Orleans was invited as case study for Agency for Toxic Substances and Disease Registry (ATSDR) National Conversation on Public Health and Chemical Exposures workshop. 2009.

### **Editorial Posts and Activities:**

- ASPH/EPA Graduate Training Programs Review Committee 2010
- Journal of Hazardous Materials - External reviewer
- Annals of Epidemiology – External reviewer
- The Korean Journal of Chemical Engineering - External reviewer
- American Public Health Association - Environment Section – Section reviewer
- American Public Health Association - Environment Section – Section website editor
- The Louisiana State University Health Sciences Center at New Orleans Academy for the Advancement of Educational Scholarship, Academy Bulletin – Co-editor

### **University/Institutional Service:**

#### **Departmental committees**

- Website Editor: maintain and update Environmental and Occupational Health Sciences program web pages.
- Student Capstone Presentation Coordinator: coordinate program capstone oral and poster presentations.
- Graduate Student Coordinator: serve as point of contact for prospective students.
- Practice Placement Coordinator: coordinate and provide assistance on applying and approval of the required Practice Experience.
- Program Admission Committee: Review student applications and make recommendation for acceptance or rejection.

#### **School of Public Health committees**

- Website Committee: Assist on the redesign and management of the current school website based on the recommendation of recruitment and marketing committees. 2010 – 2013
- Research Invigoration Strategy Committee (RISC): Identify strengths, weaknesses, opportunities, and threats in the existing research environment of the School of Public Health, and set objectives to enhance research activities in school. 2009 – present
- Curriculum Committee: To plan, review, and monitor academic programs to ensure consistency with the philosophy and mission of the LSUHSC School of Public Health and the LSU Health Sciences Center, and in accordance with the requirements of the Council for Education in Public Health (CEPH). To promote optimum coordination among school curriculum areas. 2009 – present
- Policy/Procedures Review Taskforce: Review current policy and procedure on school website, catalog and student handbook for inconsistency; develop new policies and procedures based on the strategic plan. 2009 – 2011

- School website usage tracking: Use analytical tool to record school website usage information including visitor counts, traffic patterns, contents visited, and visitor's location, etc. This information is used by school Marketing Committee for recruitment strategy and website improvement. 2009 – 2011
- IT Committee: Explore and evaluate information technology in hardware or software to improve teaching and administration efficiency in school. 2009 – 2011
- Strategic Plan Steering Committee: Represent Environmental and Occupational Health Sciences program to serve in the committee. Tasks include facilitating the school retreat to collect faculty and staff inputs, develop school strategic plan which includes school mission statement, vision, core purposes and values, strategic goals and objectives. Committee meets routinely to report progress made. 2008 – 2013
- Course Management software evaluation: Evaluate course management software Moodle's function and capability for the School of Public Health teaching faculty. 2008-2009
- Design interactive course registration form and fillable student application form for school. 2008-2009
- Evaluation Committee: Evaluate course offerings to ensure merit in objectives/content and consistency with philosophy and mission of the school; design and implement student exit survey and present results of the survey to faculty assembly. 2007-2009
- Recruitment Committee: Develop recruitment strategies and plan recruitment activities; design school poster and brochure to be displayed in recruitment event. 2006-2008
- School website development: design new School of Public Health website structure to display the latest school information for prospective students and also as a portal of documentation repository for faculty and current students. Tasks include reviewing peer school websites, soliciting input from faculty, students and staff, working with Information Technology (IT) staff, complying with LSUHSC website standard, designing website structure and maintenance protocol. 2006 – 2012
- Faculty Senate: Represent School of Public Health to attend LSUHSC Faculty Senate monthly meetings. 2006 – present
- School website update and maintenance: Working with IT staff to respond to website update requests from faculty and staff and performing routine updates. 2006 – 2012
- Chancellor's Award Committee: Review graduating student profiles and transcripts and make recommendation to the Dean for the winner of Chancellor's Award and Dean's Award. 2006 – 2010
- Student recruitment activity: Update LSUHSC/SPH school information on Association of Schools of Public Health (ASPH) website; visit LSU School of Veterinary Medicine, School of Coast and Environment and meet students, attend student recruitment trips.

#### **LSUHSC (campus) committees**

- The LSUHSC NO Academy for the Advancement of Educational Scholarship, Academy Bulletin – Co-editor. 2010 – 2012

- LSUHSC NO Academy for the Advancement of Educational Scholarship - Communication Committee – Co-Chair. 2010 – 2012
- Serve on the LSUHSC NO Faculty Senate - Facilities, Safety & Security sub-committee. 2006 – 2011

### **Professional society committees**

- 2010 ASPH Graduate Training Programs Review Committee
- American Public Health Association (APHA) Environment Section - Environmental Justice subcommittee. 2009 – present
- Association of Schools of Public Health (ASPPH) Council on Learning Futures. 2009 – present
- Water Environment Federation (WEF) - Residuals & Biosolids Committee Agriculture & Industrial Byproduct Subcommittee. 2008 – present
- American Society of Safety Engineers (ASSE) LSUHSC NO School of Public Health student chapter - Faculty advisor. 2007 – present
- Association of Schools of Public Health (ASPPH) Environmental and Occupational Health Council. 2006 – present
- Interstate Chemical Threats Workgroup - member. 2003 – present

### **Administrative Responsibilities:**

#### **School of Public Health:**

- School website development: design new School of Public Health website structure to display the latest school information for prospective students and also as a portal of documentation repository for faculty and current students. Tasks include reviewing peer school websites, soliciting input from faculty, students and staff, working with Information Technology (IT) staff, complying with LSUHSC website standard, designing website structure and maintenance protocol. Communicate between administration, faculty assembly and IT staff to keep the information on school website up to date. 2006 – present

#### **Interdisciplinary/other program**

- Advisor of concurrent degree studies programs:
  - LSU School of Veterinary Medicine and LSUHSC School of Public Health: DVM/MPH in ENHS
  - LSU Graduate studies and LSUHSC School of Public Health: MS Ecology/MPH in ENHS

### **Community Service Activities:**

1. Attended CDC funded research project Children's Health after the Storm (CHATS) public forums in Louisiana. April 2012.
2. Attended Association of Schools of Public Health (ASPH) Environmental Health Council. Nov 7, 2010

3. Attended Association of Schools of Public Health (ASPH) Council on Learning Futures. Nov 7, 2010
4. Attended APHA Environmental Justice Forum. Nov 6, 2010
5. Attended Council on Education for Public Health (CEPH) 2010 Technical Assistance Session: Strong Goals & Objectives: Setting the Stage for Data Collection. Nov 6, 2010
6. Attend Gulf States Oil Release Public Health and Environmental Consortium (GOPHEC) meeting in New Orleans. August 17, 2010
7. Met with Houma councilman Voisin (of Dulac and Bayou Dularge), the Parish Manager Al Levron to discuss about potential service and research projects on BP oil spill. July 21, 2010
8. Attend REACH NOLA Behavior Health Community Conference on oil spill impact. July 15, 2010, New Orleans.
9. Attend and present poster in 2010 Conference on Environmental Justice, Air Quality, Goods Movement, and Green Jobs: Evolution and Innovation. January 25-27, 2010.
10. Attend The City of New Orleans Mayor's Office of Environmental Affairs - Environmental Justice Listening Session in cooperation with the U. S. Environmental Protection Agency (EPA), Region 6. July 9, 2009.
11. American Public Health Association (APHA) - Environment Section - Website editor. Tasks include working with APHA staff and section members to maintain and update section website. 2009 – present
12. Serve as Technical Advisor for Louisiana's Environmental Public Health Tracking (EPHT) Program at Louisiana Department of Health and Hospitals/Office of Public Health/Section of Environmental Epidemiology and Toxicology. 2009 – present
13. Serve as environmental consultant for community organization in New Orleans East, Mary Queen of Vietnam Community Development Corporation (MQVN CDC) and to assess residents' environmental concerns, and apply for joined research funding. 2008 – present
14. Participate in the SGA organized community service project. Working with HOPE to rebuild house in St. Bernard Parish. 2008
15. Attend Lower Ninth Ward community Town Hall meeting in New Orleans. June 28, 2008
16. Attend Louisiana Department of Environmental Quality - Enviroschool for Community meeting. May 21, 2008.
17. Attend US EPA Workshop "Research Needs for Community-Based Risk Assessments" October 18-19, 2007. Research Triangle Park, NC.
18. Attended Grant workshop in Southeastern University in Louisiana and met with representatives from EPA, NSF, NIH, NOAA about grant opportunities. Sep 27, 2007.
19. Attended Gulf States Alliance "Network Science and Recovery" meeting, August 20, 2007.
20. Attended conference of The National Academies: Rebuilding for Health Sustainability, and Disaster Preparedness in the Gulf Coast Region 2006
21. Attended Board of Regents 2006 Post-Katrina/Rita Research and Education Forum: Science Recovery and Discovery: The Role of Higher Education in Securing a Sustainable Future. 2006

**Books:**



**Hu CY**, Raymond DJ. Louisiana Hazardous Substances Emergency Events Surveillance (HSEES) System 2001: A Summary Report. Louisiana Department of Health and Hospitals, Office of Public Health, Section of Environmental Epidemiology & Toxicology. 2003

## Journal Publications

### Peer Reviewed Original Scientific Articles

1. Katner A, Pieper K, Lambrinidou Y, Edwards M, Brown K, **Hu CY**, Mielke HW. Weaknesses in Federal Drinking Water Regulations and Public Health Policies that Impede Lead Poisoning Prevention and Environmental Justice. *Environmental Justice* (In press, 2016)
2. Hsu YJ, Peng WD, Chen JH, Lin YC, Chang CS, Chen T, **Hu CY**, Ho PS, Chen FL, Lee CH, Huang HL\*. Evaluating the Effect of a Community-based Lay Health Advisor Training Curriculum to Address Immigrant Children's Caries Disparities. *Caries Research* 2015;49:147–156
3. Lin YC, Yen YY, Chang CS, Ting CC, Chen PH, Chen CC, Peng WD, Chen FL, **Hu CY**, Huang HL\*. Oral Health Disparities of Children among Southeast Asian Immigrant Women in Arranged Transnational Marriages in Taiwan. *Caries Research* 2014; 48:575-583.
4. Lee LC, Yen YY, Lin PL, Lin YC, **Hu CY**, Lin YY, Chen FL, Hsu CC, Peng WD, Huang HL\*. Tobacco Knowledge and Attitude toward Tobacco Policy Associated with Smoking Behavior among Guardians of Elementary School Student in Kaohsiung City. *Taiwan Journal of Oral Medical Sciences*. 2013; 28(1):24-45
5. Wang YW, Ko HL, Yen YY, Lin YC, Lin PL, **Hu CY**, Huang HL\*. The Application of the Theory of Planned Behavior to Understanding Factors Associated with Adolescent's Intention to Quit Smoking: a College of Medicine and Management. *Taiwan Journal of Oral Medical Sciences*. 2013 ; 28(1):04-23
6. Lawhorn N, Lirette D, Klink J, **Hu CY**, Contreras C, Bryant TR, Brown L, Diaz JH. Workplace Exposure to Secondhand Smoke among Non-smoking Hospitality Employees. *Nicotine & Tobacco Research* 2012 doi: 10.1093/ntr/nts144
7. Huang HL, Hsu CC, Peng WD, Yen YY, Chen T, **Hu CY**, Lee CH, Chen FL, Lin PL. Analysis of Influential Factors Associated with the Smoking Behavior of Aboriginal Schoolchildren in Remote Taiwanese Mountainous Areas. *Journal of School Health* 2012; 82: 318-327.
8. Huang HL, Yen YY, Lin PL, Chiu CH, Hsu CC, Chen T, **Hu CY**, Lin YY, Lee CH, Chen FL. Household Secondhand Smoke Exposure of Elementary Schoolchildren in Southern Taiwan and Factors Associated with their Confidence in Avoiding Exposure: a Cross-sectional Study. *BMC Public Health* 2012, 12:40
9. Lin YL, Yen YY, Chen HS, Liu YC, Chang CS, Chen CM, Chen FL, Hsu CC, Lee CH, **Hu CY**, Huang HL. Child Dental Fear in Low-income and Non-low Income Families: A School-based Survey Study. *J Dent Sci*. 2013, <http://dx.doi.org/10.1016/j.jds.2013.02.022>
10. **Hu CY**, Jin G, Englande AJ Jr. Evaluation and Applicability of Water Quality and Nutrients Removal by Coastal Wetlands Receiving Treated Municipal

Wastewater and its Application. Management of Environmental Quality: An International Journal. 2011 Vol. 22 Iss: 4, 522 – 531

11. Huang HL, Chen FL, Hsu CC, Yen YY, Chen T, Huang CM, Shi HI, **Hu CY**, Lee CH. A Multilevel-Based Study of School Policy for Tobacco Control in Relation to Cigarette Smoking among Children in Elementary Schools: Gender Differences. Health Education Research, 2010 Jun; 25(3):451-63. Epub 2010.
12. Jin G, Englande AJ Jr. **Hu CY**. Metals Evaluation in Coastal Wetlands Receiving Treated Wastewater. Management of Environmental Quality: An International Journal. 2010 Vol. 21 No.3. 351-367
13. Diaz JH, **Hu CY**. Health Risks and Benefits of Seafood Consumption. Tropical Medicine and Health. Vol. 37 No. 3, 2009, pp. 79-95
14. Lee CH, Lee JM, Wu DC, Goan YG, Chou SH, Wu IC, Kao EL, Chan TF, Huang MC, Chen PS, Lee CY, Huang CT, Huang HL, **Hu CY**, Hung YH, Wu MT. Carcinogenetic impact of ADH1B and ALDH2 genes on squamous cell carcinoma risk of the esophagus with regard to the consumption of alcohol, tobacco and betel quid. International Journal of Cancer 2008 Mar 15; 122(6):1347-56. John Wiley & Sons, Inc. 2008.
15. **Hu CY**, Raymond DJ. Lessons Learned from Hazardous Chemical Incidents – Louisiana Hazardous Substances Emergency Events Surveillance (HSEES) System. Journal of Hazardous Material, Elsevier Ireland Ltd. 2004, Vol 115, Issues 1-3 , 11 Nov 2004, P 33-38
16. **Hu CY**, Acuna-Askar K, Englande AJ Jr. Bioremediation of Methyl Tertiary-Butyl Ether (MTBE) by Innovative Biofilter. Water Science and Technology, Elsevier Science Ltd., Oxford, U. K. 2004 Vol 49 No 1 pp 87–94.
17. Acuna-Askar K, Englande AJ Jr, **Hu CY**, Jin G. Methyl tertiary-butyl ether (MTBE) Biodegradation in Batch and Continuous Upflow Fixed-biofilm Reactor in Waste Minimization and End of Pipe Treatment in Chemical and Petrochemical Industries, Water Science and Technology, Elsevier Science Ltd., Oxford, U. K. 2001 Vol 42 No 5-6 pp 153–161.
18. Acuna-Askar K, Englande AJ Jr, **Hu CY**, Jin G. Methyl tertiary-butyl ether (MTBE) Biodegradation in Batch Reactors. Rev. Soc. Quim. 2001 Mex. 45; 51. ISSN 0583-7693 (In Spanish).
19. Acuna-Askar K, Englande AJ Jr, **Hu CY**, Jin G. Methyl tertiary-butyl ether (MTBE) biodegradation in batch and continuous upflow fixed-biofilm reactors. Water Science & Technology. Vol 42 No 5-6 pp 153–161 IWA Publishing 2000. London, UK. ISSN: 0273-1223

**Refereed Publication in Journal Supplement or in Conference Proceedings**

1. Tseng TS, Chiu YW, Espinoza F, **Hu CY**. Cultural and Linguistic Services in a Public Hospital: A Pilot Study. *Annals of Behavioral Medicine*. 43(suppl): S231, 2012.
2. **Hu CY**, Diaz JH, Chiu YW, Harrington DJ, Chiu YR. Emergency Post-hurricane Debris Landfills in New Orleans: More Superfund Sites? *Public Health Report - Abstracts from 2009 National Environmental Public Health Conference*. 2010
3. Chiu YR, **Hu CY**, Chiu, YW. Rainwater Harvesting System with GIS-aided Resources Conservation Planning. *Public Health Report - Abstracts from 2009 National Environmental Public Health Conference*. 2010
4. Diaz JH, **Hu CY**, Harrington DJ. Proportionate Cancer Mortality in Methylmethacrylate-Exposed Healthcare Workers. *Public Health Report - Abstracts from 2009 National Environmental Public Health Conference*. 2010
5. **Hu CY**, Chiu YR. Rainwater Harvesting or Not? A Cost/Benefit Analysis Using Water-Energy Correlation and GIS-Based Precipitation Simulation in Taipei, Taiwan. *Proceedings of the annual Water Environment Federation Technical Exhibition and Conference (WEFTEC) 2009*
6. Chiu YR, Liaw CH, **Hu CY**, Chang HH. Applying GIS-based Rainwater Harvesting Design System in the Water-Energy Conservation Scheme of Large Cities. *Proceedings of the 13th International Conference on Computer Supported Cooperative Work in Design (CSCWD 2009) Chile*, pp.722-727. 2009
7. **Hu CY**, Acuna-Askar K, Englande AJ Jr. Bioremediation of Methyl Tertiary-Butyl Ether (MTBE) by Innovative Biofilter. *Proceedings of the 5th International Water Association, Specialized Conference on Chemical Industries*. pp. 167-174. 2002
8. **Hu CY**, Englande AJ Jr, Wiese T. Methyl tertiary-Butyl Ether (MTBE) Biodegradation in a Continuous Upflow Fixed-Biofilm Reactor. *Proceedings of Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC) 2002*.
9. Holland J, Hattier L, Reimers R, Englande AJ Jr, **Hu CY**, Geeti A. Comparison of Mixed Oxidants to Ozone for Disinfection and Reduction of Health Risks from Recalcitrant Compounds. *Proceedings of Water Environmental federation (WEF) Disinfection 2002: Health and Safety Achieved through Disinfection*. 2002
10. Englande AJ Jr, Day J, Jin G, Rybczyk J, **Hu CY**. Wetlands Restoration Using Wastewater Effluent- An Example of Resource Management. *Proceedings of the*

Water Environment Federation Technical Exhibition and Conference (WEFTEC)  
1999. 1999

11. Acuna-Askar K, Englande AJ Jr, **Hu CY**, Jin G. Methyl tertiary-butyl ether (MTBE) Biodegradation in Batch and Continuous Upflow Fixed-biofilm Reactor. Proceeding of the International Association on Water Quality (IAWQ) International Specialist Conference of the Chemical Industries Group. International Water Association (IWA) Publishing. London. ISBN 190022254X. 1999

#### **Non-Peer-Reviewed Technical Report**

1. **Hu CY**, Kissler A, Page T, Dugas D, Savoie B. Review of National Response Center Reports for Louisiana 1990-2003: Trend and Risk Factor Analysis. Louisiana Morbidity Report, Louisiana Office of Public Health - Infectious Disease Epidemiology Section. Jan-Feb Vol 16 No 1 pp4-6. 2005
2. **Hu CY**, Raymond DJ. Hazardous Substances Emergency Events Surveillance (HSEES) related injuries in the State of Louisiana, 2001. Louisiana Morbidity Report, Louisiana Office of Public Health - Infectious Disease Epidemiology Section, Vol 14 No 4 pp1-3. 2003