

Vanderbilt University, School of Medicine, Master of Public Health Program  
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## EDUCATION

**Tulane University, School of Public Health and Tropical Medicine:** 2012, Ph.D. (global environmental health sciences). Dissertation: *Mercury Exposure and Potential Adverse Health Effects for Susceptible Populations in Two Indigenous Communities in Suriname, South America*

**Tulane University, School of Public Health and Tropical Medicine:** 2010, Master of Public Health (environmental health sciences). Thesis: *Environmental Health Issues Related to Gold Mining and Mercury Contamination in Indigenous Communities in Suriname, South America*

**University of Mississippi:** 1996, Master of Science, Biology (environmental toxicology); Thesis: *Constructed Wetlands for Decreasing the Concentration and Bioavailability of Zinc in Water: Design and Evaluation*

**University of Mississippi:** 1993, Bachelor of Arts, Biology

## EXPERIENCE

September 2016 – present

Practicum Director, Master of Public Health Program, Vanderbilt University, School of Medicine, Nashville, TN.

- *Management and Coordination of Practicum for Master of Public Health program*

September 2016 – present

Adjunct Assistant Professor, Tulane University, School of Public Health and Tropical Medicine, New Orleans, LA.

- *Management and Coordination of Master of Science Public Health (MSPH) program in Suriname*

September 2013 – September 2016

Research Fellow, Tulane University, School of Public Health and Tropical Medicine, New Orleans, LA - Based at Anton de Kom University, Faculty of Medical Sciences, Suriname, South America.

- *Program Manager, Caribbean Consortium for Research in Environmental and Occupational Health (NIH GEOHealth Hub)*
- *Management and Coordination of Master of Science Public Health (MSPH) program in Suriname*
- *Suriname MSPH Practicum coordination*
- *Instructor in Environmental Health Sciences – MSPH program*
- *Coordination and Instructor, Tulane University Summer Field Course in Suriname*
- *Coordination of Tulane University student internships/practicums in Suriname*
- *Coordination of research activities in Suriname*

September 2015 – present

Research Consultant, Scientific Research Center, Academic Hospital Paramaribo, Suriname, South America.

- *Advise on US program requirements for federally-funded grants*
- *Assist with financial management and reporting*

January 2014 – August 2015

Public Health Consultant for the Ministry of Health, Suriname, South America.

- *Provided technical assistance and guidance to the Ministry of Health related to the design, implementation and evaluation of the Non-communicable Diseases (NCDs) Public Awareness Campaign*
- *Developed the key messages for the public awareness educational packages to various targeted age groups and ethnicity*
- *Analyzed World Health Organization STEP-wise approach to Surveillance (STEPS) results and develop message briefs based on the STEPS results per district*
- *Provided support to the social marketing firm in developing a national social media public awareness campaign for the prevention and control of NCDs*

October 2012 – August 2013

Fulbright Scholar (United States Department of State) - Suriname, South America.

- *Management and Coordination of Master of Science Public Health program in Suriname*
- *Project Manager, Caribbean Consortium for Research in Environmental and Occupational Health (NIH GEOHealth planning grant)*
- *Coordination and Instructor, Tulane University Summer Field Course in Suriname*

August 2010 – September 2012

Graduate Teaching Assistant, Tulane University, School of Public Health and Tropical Medicine, New Orleans, LA.

- *Policy and Public Health*
- *Public Health Threats in Suriname: From Ecosystem to Human Health*
- *Environmental Policy*

February 2007 – September 2012

Graduate Research Assistant, Tulane University, School of Public Health and Tropical Medicine, New Orleans, LA.

- *Responsible for coordinating data entry for a NIH-funded research study involving asthma in Post-Katrina New Orleans.*
- *Technical coordination of distance learning for Master of Public Health degree program with Anton de Kom University Suriname.*

December 2004 – September 2006

Director, Outreach and Education Program, Center in Molecular Toxicology, Vanderbilt University Medical Center, Nashville, TN.

- *Designed, developed and implemented environmental health outreach and education programs throughout the community for the National Institute of Environmental Health Sciences (NIEHS) funded research center.*

- *Major responsibilities included creating and participating on collaborative research and education projects focusing on environmental and public health along with securing funding from various sources.*

November 1997 – November 2004

Coordinator, Outreach and Education Program, Center in Molecular Toxicology, Vanderbilt University Medical Center, Nashville, TN.

- *Designed and implemented community education programs on environmental health science topics for the NIEHS funded research center.*
- *Coordinated and instructed health science curriculum courses for primary and secondary teachers.*
- *Instructed courses on topics including environmental issues, health sciences and toxicology at schools (K-12) and for community groups.*

November 1997 – December 2006

Environmental Information Specialist, Tennessee Poison Center, Vanderbilt University Medical Center, Nashville, TN.

- *Provided environmental health resources from the Center in Molecular Toxicology to the Poison Center.*
- *Instructed health science courses (e.g. Household Poisons and Environmental Hazards, History of Toxicology, Preventing Poisonings in the Home) at schools (K-12), health fairs and for community groups.*

Spring 1997

Instructor, Department of Pharmacology, Research Institute of Pharmaceutical Sciences, Environmental Toxicology Research Program, University of Mississippi, Oxford, MS.

- *Coordinated the directed study course "Molecular Toxicology Techniques in Environmental Research." The course covered the scientific method, use of analytical instruments and reporting research conclusions.*

November 1996 – October 1997

Senior Research Technician, Department of Pharmacology, Research Institute of Pharmaceutical Sciences, Environmental Toxicology Research Program, University of MS, Oxford, MS.

- *Responsible for managing an environmental testing laboratory. Performed studies on metabolism rates of chemical toxins in organisms.*
- *Analyzed chemical compounds at the molecular level using a variety of protocols and procedures.*
- *Supervised undergraduate research students in the laboratory.*

May 1996 – August 1996

Research Assistant, US Department of Agriculture - Forest Hydrology Laboratory, Oxford, MS.

- *Responsible for collection and analysis of data to determine biodiversity of aquatic organisms in US state parks.*

January 1994 – August 1996

Graduate Research Assistant, Department of Biology, University of MS, Oxford, MS.

- *Conducted a series of studies on the feasibility of constructed wetlands to remove trace metals and organic compounds along with other chemical toxins from an industrial refinery waste stream.*
- *Performed analyses using standard and technical laboratory techniques.*

January 1992 – December 1993

Laboratory Technician, Department of Biology, University of MS, Oxford, MS.

- *Conducted environmental toxicant analyses using a variety of procedures, collected field samples for environmental quality testing.*
- *Responsible for general upkeep and maintenance of biological testing species.*

Summers 1990-92

Teaching Assistant, Project Marine Discovery Sea Camp, Gulf Coast Research Laboratory, J.L. Scott Marine Education Center, Biloxi, MS.

- *Assisted instructor at summer science institute for students (K-8). The topics covered during the education program included marine and estuarine ecology, environmental science and conservation.*

### **PROFESSIONAL MEMBERSHIPS AND OTHER EXPERIENCE**

2013 Delta Omega Honorary Society in Public Health  
2013 Golden Key International Honour Society  
2012- Volunteer, Green Heritage Fund Suriname  
2010- American Public Health Association  
2010- Doctors for Global Health  
2009 International Public Health Field Course, Suriname  
2007 International Public Health Field Course, Peru  
2005 NIEHS planning Board for Annual Meeting in Nashville, TN  
2004-2006 Cumberland River Compact Education Committee  
2004-2006 Music City Moves!  
2004-2006 Cumberland River Compact  
2003-2006 Community Health and Wellness Team  
Co-chair, 2004  
2003-2006 Regional Environmental Forum  
Board Member 2003-2006  
2002 NIEHS External Review Board, Dartmouth, NH  
2002 Society of Toxicology planning Board for Annual Meeting in Nashville, TN  
2002, 2004 University of Arizona, NIEHS Research Center External Review Board  
2001-2006 Tennessee Science Teachers Association  
2001-2006 National Science Teachers Association  
2001-2006 Society of Toxicology Southeast regional chapter  
2001-2006 Society of Toxicology  
2000-2001 Tennessee Methamphetamine Task Force  
2000 Society of Environmental Toxicology and Chemistry planning Board for Annual Meeting in Nashville, TN  
1998-2006 Tennessee Pollution Prevention Roundtable  
1998-2006 Tennessee Environmental Education Association  
1998-2002 American Cancer Fund-raiser Volunteer  
1998-2000 Society of Environmental Toxicology and Chemistry Publication Review Board  
1997-2006 Red Cross Recruitment Volunteer  
1997-2005 Editor and Maintainer of *Vanderbilt Center in Molecular Toxicology* and *Tennessee Poison Center* web sites  
1994-2006 Mid-South Society of Environmental Toxicology and Chemistry  
Board Member, 2000-2006; Vice President, 2002-2004  
1993-2003 Society of Environmental Toxicology and Chemistry

1992 International Field Course in Marine Ecosystems, Bahamas

### **TECHNICAL SKILLS AND CERTIFICATIONS**

- Computer systems and programs: proficient with Microsoft Office, Adobe Products and many Mac-related programs; distance learning platforms (Blackboard, Adobe Connect, WebEx), ArcGIS
- Certificates in First Aid, CPR, Lifesaving, SCUBA

### **SCHOLARSHIPS AND AWARDS**

2013 Tulane University 34 Award (awarded to the top 34 graduates University-wide)  
2012 Top Doctoral Research Poster Award, Tulane University Health Science Research Days Symposium. April 2012  
2012 Second Place Award, Delta Omega Eta Chapter Student Poster Presentation at Tulane University  
2011 Top Student Poster, American Public Health Association Annual Meeting, Environment Section  
2011 First Place Award, Delta Omega Eta Chapter Student Poster Presentation at Tulane University  
2011 Third Place Award, United States Public Health Service Scientific and Training Symposium Student Poster Presentation  
2007-2008 Jack R. Aron Scholarship, Tulane University, New Orleans, LA  
1994-1996 Graduate Research Fellowship, University of Mississippi, Oxford, MS

### **PEER-REVIEWED PUBLICATIONS**

1. W.B. Hawkins, D.R.A. Mans, and M.Y. Lichtveld. (2016). The Caribbean Consortium for Research in Environmental and Occupational Health (CCREOH): A transdisciplinary roadmap in addressing regional EOH threats. *Annals of Global Health*, Volume 82, Issue 3, 575.
2. M.Y. Lichtveld, W.B. Hawkins, P.E. Ouboter, J.K. Wickliffe, M.J. Wilson, F. Abdoel Wahid, A. van Sauers, R. Ramjatan, T. Graafsma, D.R.A. Mans. (2016). A One Health approach to interdict environmental health threats in Suriname. *Annals of Global Health*, Volume 82, Issue 3, 444.
3. F. Abdoel Wahid, C. Mundorf, J. Wickliffe, M. Wilson, W. Hawkins, A. van Sauers, and M. Lichtveld. (2016). Health disparities and pesticide contamination of produce in Suriname. *Annals of Global Health*, Volume 82, Issue 3, 437.
4. Hawkins, W., Mans, D., and Lichtveld, M. (2016). The Caribbean Consortium for Research in Environmental and Occupational Health: An assessment of environmental and occupational health threats in Suriname and the Caribbean region. *West Indian Medical Journal*, 65 (Suppl 3), 71.
5. Ramjatan, R., W.B. Hawkins, D. Mans, T. Graafsma, A. van Sauers, and MY Lichtveld. (2016). Awareness project in safe pesticide use for 5th and 6<sup>th</sup> graders at primary schools in Nickerie. *West Indian Medical Journal*, 65 (Suppl 3), 71.
6. P Ouboter, W Hawkins, and M Lichtveld. (2016). Mercury pollution in Suriname – A threat to family health. *West Indian Medical Journal*, 65 (Suppl 3), 43.
7. E.T.M. Dams, W.B. Hawkins and M.Y. Lichtveld. (2016). Introduction of Radiotherapy in Suriname: Impact on the Treatment of Cervical Cancer. *Journal of Global Oncology*. July 20, 2016, doi: 10.1200/JGO.2016.003889.
8. Hawkins, W., Mans, D., and Lichtveld, M. (2015). The Caribbean Consortium for Research in Environmental and Occupational Health. *West Indian Medical Journal*, 64 (Suppl 2), 93.
9. Abdoel Wahid, F., W. Hawkins, J. Wickliffe, M. Wilson, A. van Sauers, and M. Lichtveld. (2015).



- An evaluation of pesticide residue levels in selected produce and a medicinal plant in Suriname. *West Indian Medical Journal*. Vol. 64 (Suppl 2), 94.
10. Ramjatan, R., W. Hawkins, T. Graafsma, A. van Sauers, D. Hamer, and M. Lichtveld. (2015). Mobile Health Technology-enabled community health workers as pesticide interventionists in rural Suriname. *West Indian Medical Journal*. Vol. 64 (Suppl 2), 46.
  11. Hawkins, W.B., Mans, D.R.A., and Lichtveld, M.Y. (2015). Building partnerships for trans-disciplinary global health research: the Caribbean Consortium for Research in Environmental and Occupational Health. *Annals of Global Health*, Volume 81, Issue 1, 111.
  12. Abdoel Wahid F., W. Hawkins, M. Wilson, J. Wickliffe, A. van Sauers, and M.Y. Lichtveld. (2015). Pesticide contamination of produce and medicinal plants in Suriname: an emerging environmental health threat. *Annals of Global Health*, Volume 81, Issue 1, 216.
  13. Hawkins, W.B., Mans, D.R.A., and Lichtveld, M.Y. (2014). The Caribbean Consortium for Research in Environmental and Occupational Health (CCREOH): A model for trans-disciplinary global health research. *Annals of Global Health*, Volume 80, Issue 3, 241.
  14. Hawkins, W., P. Ouboter, and M. Lichtveld. (2014). An assessment of mercury exposure for two vulnerable communities in Suriname, South America. *West Indian Medical Journal, Suppl.* Vol. 63 (Suppl 2), 1-79.
  15. Ramjatan, R., D. Hamer, T. Graafsma, O. Ogunakin, W. Hawkins, and M. Lichtveld. (2014). An integrated approach to pesticide management in Eastern Nickerie District, Suriname: A public health intervention. *West Indian Medical Journal, Supplement.* Vol. 63 (Suppl 2), 1-79.
  16. Hawkins, W.B. (2012). Mercury Exposure and Potential Adverse Health Effects for Susceptible Populations in Two Indigenous Communities in Suriname, South America. Dissertation, Tulane University.
  17. Gillespie, Jr., W.B., Hawkins, W.B., Rodgers, Jr., J.H., Cano M.L., and Dorn, P.B. (2000). Transfers and transformations of zinc in constructed wetlands: Mitigation of a refinery effluent. *Ecological Engineering*, 14: 279-292.
  18. Schlenk D., Perkins E.J., and Hawkins, W.B. (1999). Effect of ethanol, clofibric acid and temperature on the uptake and elimination of 2-methylisoborneol in channel catfish (*Ictalurus punctatus*). *Fish Physiology and Biochemistry*, 21:173-178.
  19. Gillespie, Jr., W.B., Hawkins, W.B., Rodgers, Jr., J.H., Cano, M.L., and Dorn, P.B. (1999). Transfer and Transformation of Zinc in Flow-Through Wetland Microcosms. *Ecotoxicology and Environmental Safety*, 43:126-132.
  20. Hawkins, W.B., Rodgers, Jr., J.H., Gillespie, Jr., W.B., Dunn, A.W., Dorn, P.B., and Cano, M.L. (1997). Design and Construction of Wetlands for Aqueous Transfers and Transformations of Selected Metals. *Ecotoxicology and Environmental Safety*, 36:238-248.
  21. Hawkins, W.B. (1996). Constructed Wetlands for Decreasing the Concentration and Bioavailability of Zinc in Water: Design and Evaluation. Thesis, University of Mississippi.

## **PRESENTATIONS**

1. Hawkins, W., Mans, D., and Lichtveld, M. "The Caribbean Consortium for Research in Environmental and Occupational Health: An assessment of environmental and occupational health threats in Suriname and the Caribbean region." Poster Presentation at the 61st Annual Caribbean Public Health Agency Health Research Conference, June 2016, Turks and Caicos.
2. Ramjatan, R., WB Hawkins, D Mans, T Graafsma, A van Sauers, and MY Lichtveld. (2016). Awareness project in safe pesticide use for 5th and 6<sup>th</sup> graders at primary schools in Nickerie. Poster Presentation at the 61st Annual Caribbean Public Health Agency Health Research Conference, June 2016, Turks and Caicos.
3. P Ouboter, W Hawkins, and M Lichtveld. (2016). Mercury pollution in Suriname – A threat to family health. Platform Presentation at the 61st Annual Caribbean Public Health Agency Health Research Conference, June 2016, Turks and Caicos.
4. Hawkins, WB, Mans, DRA, and Lichtveld, MY. "The Caribbean Consortium for Research in

- Environmental and Occupational Health: A Trans-disciplinary Roadmap in Addressing Regional EOH Threats." Poster Presentation at the 7<sup>th</sup> Annual Consortium of Universities for Global Health, April 2016, San Francisco, CA.
5. Abdoel Wahid F, C Mundorf, J Wickliffe, M Wilson, W Hawkins, A van Sauers, and M Lichtveld. "Health Disparities and Pesticide Contamination of Produce in Suriname." Poster Presentation at the 7<sup>th</sup> Annual Consortium of Universities for Global Health, April 2016, San Francisco, CA.
  6. Lichtveld, MY, WB Hawkins, PE Ouboter, JK Wickliffe, MJ Wilson, F Abdoel Wahid, A van Sauers, R Ramjatan, T Graafsma, and DRA Mans. "A One Health Approach to Interdict Environmental Health Threats in Suriname." Poster Presentation at the 7<sup>th</sup> Annual Consortium of Universities for Global Health, April 2016, San Francisco, CA.
  7. Hawkins, W., Mans, D., and Lichtveld, M. "The Caribbean Consortium for Research in Environmental and Occupational Health." Poster Presentation at the 60<sup>th</sup> Annual Caribbean Public Health Agency Health Research Conference, June 2016, Grenada, West Indies.
  8. Abdoel Wahid, F., W. Hawkins, J. Wickliffe, M. Wilson, A. van Sauers, and M. Lichtveld. "An evaluation of pesticide residue levels in selected produce and a medicinal plant in Suriname." Poster Presentation at the 60<sup>th</sup> Annual Caribbean Public Health Agency Health Research Conference, June 2016, Grenada, West Indies.
  9. Ramjatan, R., W. Hawkins, T. Graafsma, A. van Sauers, D. Hamer, and M. Lichtveld. "Mobile Health Technology-enabled community health workers as pesticide interventionists in rural Suriname." Poster Presentation at the 60<sup>th</sup> Annual Caribbean Public Health Agency Health Research Conference, June 2016, Grenada, West Indies.
  10. Hawkins, WB, Mans, DRA, and Lichtveld, MY. "Building partnerships for trans-disciplinary global health research: the Caribbean Consortium for Research in Environmental and Occupational Health." Poster Presentation at the 6<sup>th</sup> Annual Consortium of Universities for Global Health, March 2015, Boston, MA.
  11. Abdoel Wahid F, W Hawkins, M Wilson, J Wickliffe, A van Sauers, and MY Lichtveld. "Pesticide contamination of produce and medicinal plants in Suriname: an emerging environmental health threat." Poster Presentation at the 6<sup>th</sup> Annual Consortium of Universities for Global Health, March 2015, Boston, MA.
  12. Hawkins, WB, Mans, DRA, and Lichtveld, MY. "The Caribbean Consortium for Research in Environmental and Occupational Health: A Model for Trans-disciplinary Global Health Research." Poster Presentation at the 5<sup>th</sup> Annual Consortium of Universities for Global Health, May 2014, Washington, DC.
  13. Hawkins, W, P Ouboter, and M Lichtveld. "An Assessment of Mercury Exposure for Two Vulnerable Communities in Suriname, South America." Platform Presentation at the 59<sup>th</sup> Annual Caribbean Public Health Agency Health Research Conference, April 2014, Aruba.
  14. Hawkins WB, Ouboter PE, and Lichtveld MY. "An Assessment Of Mercury Exposure In Populations For Two Vulnerable Indigenous Communities In Suriname, South America." Poster Presentation at the 140<sup>th</sup> American Public Health Association Annual Meeting, November 2012, San Francisco, CA.
  15. Hawkins WB, Ouboter PE, and Lichtveld MY. "An Assessment Of Mercury Exposure In Populations For Two Vulnerable Indigenous Communities In Suriname, South America." Poster Presentation at Tulane University Health Science Research Days, April 2012, New Orleans, LA.
  16. Hawkins WB, Lichtveld MY, and Ouboter PE. "Mercury Exposure and Potential Adverse Health Effects for Susceptible Populations in Two Indigenous Communities in Suriname, South America." Delta Omega Student Poster Presentation Contest at Tulane University, March 2012, New Orleans, LA.
  17. Hawkins WB, Lichtveld MY, and Ouboter PE. "Mercury Exposure and Potential Adverse Health Effects for Susceptible Populations in Two Indigenous Communities in Suriname, South America." Poster Presentation at the 139<sup>th</sup> American Public Health Association Annual Meeting, October 2011, Washington, DC.

18. Hawkins WB, Lichtveld MY, and Ouboter PE. "Environmental Characterization of Potential Mercury Contamination For Two Indigenous Communities In Suriname, South America." Poster Presentation at United States Public Health Service (USPHS) Scientific and Training Symposium, June 2011, New Orleans, LA.
19. Hawkins WB, Lichtveld MY, and Ouboter PE. "Environmental Characterization of Potential Mercury Contamination For Two Indigenous Communities In Suriname, South America." Poster Presentation at Tulane University Health Science Research Days, April 2011, New Orleans, LA.
20. Hawkins WB, Lichtveld MY, and Ouboter PE. "Environmental Characterization of Potential Mercury Contamination For Two Indigenous Communities In Suriname, South America." Delta Omega Student Poster Presentation Contest at Tulane University, February 2011, New Orleans, LA.
21. Hawkins WB, Lichtveld MY, and Ouboter PE. "Environmental Characterization of Potential Mercury Contamination For Two Indigenous Communities In Suriname, South America." Poster Presentation at the 138th American Public Health Association Annual Meeting (November 6-10, 2010) in Denver, CO.
22. Hawkins WB, Lichtveld MY, and Ouboter PE. "Initial Characterization of Potential Mercury Contamination For Two Indigenous Communities In Suriname, South America." Poster Presentation at Tulane University Health Science Research Days, April 2010, New Orleans, LA.
23. Hawkins WB. "Community Outreach and Education Core." Platform Presentation at the Center in Molecular Toxicology Winter Retreat, February 2006.
24. Hawkins WB. "Introduction into Environmental Health Sciences." Platform Presentation at the National Science Teachers Association, December 2005, Nashville, TN.
25. Hawkins WB. "NIEHS Outreach and Education at Vanderbilt." Platform Presentation at the NIEHS Center Directors Meeting, November 2005, Nashville, TN.
26. Hawkins WB. "Using Numbers to Integrate Math and Science." Teachers Workshop at the University of Texas, Austin, June 2005, Austin, TX.
27. Hawkins WB. "Fundamentals of Math in Environmental Science." Teachers Workshop at the University of Texas, Austin, June 2005, Austin, TX.
28. Hawkins WB. "HOPE: Health Observances and Public Education." Poster Presentation at the SEPA grantees meeting, University of Arizona, February 2005, Tucson, AZ.
29. Hawkins WB. "Resources from the NIH and NIEHS." Platform Presentation at the Tennessee Health Science Teachers Workshop, Oct. 2004, Nashville, TN.
30. Hawkins WB. "Center Video Conference Series." Poster presentation at the NIEHS Centers Directors Meeting, October 2004, Res. Triangle Park, NC.
31. Hawkins WB. "Resources from the NIH and NIEHS." Platform Presentation at the Tennessee Arts and Science Teachers Workshop, June 2004, Nashville, TN.
32. Hawkins WB. "Resources from the NIH and NIEHS." Platform Presentation at the MidSouth SETAC Teachers Workshop, May 2004, Nashville, TN.
33. Hawkins WB. "Always Ask First Program." Poster Presentation at the NIEHS Centers Directors Meeting, October 2003, Baltimore, MD.
34. Hawkins WB. "The Community Forum Experience." Platform Presentation at the NIEHS Centers Directors Meeting, October 2002, Seattle, WA.
35. Hawkins WB. "The Center Associates Program." Poster Presentation at the NIEHS Centers Directors Meeting, October 2002, Seattle, WA.
36. Hawkins WB. "An Introduction to Toxicology and Community Outreach Programs of the Vanderbilt Center in Molecular Toxicology." Platform Presentation at Society of Toxicology, "Paracelsus Goes to School" Teachers Workshop, March 2002, Nashville, TN.
37. Hawkins WB. "Community Outreach Programs of Vanderbilt Center in Molecular Toxicology." Platform Presentation at National Science Teachers Regional Meeting, December 2001, Memphis, TN.



38. Hawkins WB. "Community Outreach Programs of Vanderbilt Center in Molecular Toxicology." Platform Presentation at Tennessee Environmental Education Association Annual Meeting, September 2001, Natchez Trace State Park, TN.
39. Hawkins WB. "Research Programs of Vanderbilt Center in Molecular Toxicology." Poster Presentation at the Society of Environ. Toxicology and Chemistry 21<sup>st</sup> Annual Meeting, November 2000, Nashville, TN.
40. Hawkins, WB and Harrelson, RF. "Research Programs of Vanderbilt Center in Molecular Toxicology." Poster Presentation at the 9<sup>th</sup> North American International Society for the Study of Xenobiotics, October 1999, Nashville, TN.
41. Hawkins WB. "Community Outreach Programs of Vanderbilt Center in Molecular Toxicology." Platform Presentation at Vanderbilt University, June 1999, Nashville, TN.
42. Hawkins WB. "The Education Strategy for the Vanderbilt Center in Molecular Toxicology Outreach Program." Poster Presentation at National Institute of Environmental Health Sciences Program Coordinators Meeting, June 1998, Rochester, NY.
43. Hawkins WB. "Community Outreach Programs of Vanderbilt Center in Molecular Toxicology." Platform Presentation at Vanderbilt University, May 1998, Nashville, TN.
44. Hawkins WB and Schlenk D. "Effects of B-naphthoflavone and Ethanol on Aldicarb Toxicity and P450 Expression in Japanese Medaka." Poster Presentation at the Society of Environmental Toxicology and Chemistry, 18<sup>th</sup> Annual Meeting, November 1997, San Francisco, CA.
45. Hawkins WB, Gillespie WB, Rodgers, Jr. JH, Cano ML, and Dorn PB. "Evaluation of Wetlands Designed to Transfer and Transform Selected Metals in as Aqueous Matrix." Poster Presentation at the Society of Environmental Toxicology and Chemistry, 17<sup>th</sup> Annual Meeting, November 1996, Washington DC.
46. Hawkins WB. "Constructed Wetlands for Decreasing Concentrations and Bioavailability of Zinc in Water: Design and Evaluation." Departmental Seminar at the University of Mississippi, June 1996.
47. Hawkins WB, Rodgers, Jr. JH, and Dorn PB. "Microcosm-Scale Constructed Wetlands Designed for Treatment of Zinc Amended Effluent." Poster presentation at the Sigma Xi, University of Mississippi Chapter, and Graduate School and Office of Research, Undergraduate and Graduate Student Poster Symposium, April 1996, University of Mississippi.
48. Hawkins WB, Dunn AW, Rodgers, Jr. JH, and Dorn PB. "Pilot-Scale Constructed Wetlands for Tertiary Treatment of Refinery Effluent." Poster Presentation at the Society of Environmental Toxicology and Chemistry, Second World Congress, November 1995, Vancouver, BC.
49. Cano ML, Dorn PB, Vipond TE, Hawkins WB, and Dunn AW. "Constructed Wetlands Dye Study to Determine Flow Patterns and Residence Time." Poster Presentation at the Society of Environmental Toxicology and Chemistry, Second World Congress, November 1995, Vancouver, BC.
50. Hawkins WB, and Rodgers, Jr. JH. "Utilization of *Scirpus californicus* in Constructed Wetlands." Platform presentation at the Mid-South Aquatic Plant Management Society, 14<sup>th</sup> Annual Meeting, October 1995, Sheffield, AL.
51. Hawkins WB, Dunn AW, Rodgers, Jr. JH, and Dorn PB. "Design and Construction of a Wetland for the Removal of Metals and Toxicity from Refinery Effluent." Poster Presentation at the Sigma Xi, University of Mississippi Chapter, and Graduate School and Office of Research, Undergraduate and Graduate Student Poster Symposium, April 1995, University of MS.
52. Hawkins WB, Dunn AW, Rodgers, Jr. JH, and Dorn PB. "Design and Construction of a Wetland for the Removal of Metals and Toxicity from Refinery Effluent." Poster Presentation at the Society of Environment Toxicology and Chemistry, 15<sup>th</sup> Annual Meeting, November 1994, Denver, CO.