

CURRICULUM VITAE

SHERYL A. MILZ, PhD, CIH

(SHERY nee MORITZ)
735 OAK KNOLL DRIVE
PERRYSBURG, OHIO
(419) 873-0222

EDUCATION

- 1989 – 1994 UNIVERSITY OF ILLINOIS AT CHICAGO CHICAGO, IL
- PhD in Public Health Sciences (Industrial Hygiene). Dissertation entitled “Characterization of Emission Rates and Emission Factors for Three Manufacturing Processes” which entailed analyzing field data from a copper plating line, a wave soldering process, and an open-top vapor degreasing process using mathematical models to estimate emission rates and emission factors. Classes on subjects including industrial hygiene, epidemiology, toxicology, air quality, water quality, and laboratories in industrial hygiene, air quality, water quality.
- 1985 – 1987 THE OHIO STATE UNIVERSITY COLUMBUS, OH
- MS in Preventive Medicine (Epidemiology). Master’s thesis entitled “An Assessment of Ionizing Radiation Exposure Among Female Veterinarians” which entailed providing ionizing radiation film badges to female veterinarians for three months and administering a telephone questionnaire to these veterinarians as well as visiting 29 veterinary practices in Central Ohio. Classes on subjects including epidemiology, economics, biostatistics.
- 1981 – 1985 THE OHIO STATE UNIVERSITY COLUMBUS, OH
- BS Cum Laude in Biochemistry. Classes on subjects including biochemistry, general chemistry, organic chemistry, physical chemistry, physics, biology, calculus, French. Undergraduate research in the Chemistry Department using gel electrophoresis and Lowry for protein assays. Experience with NMR, IR, and UV spectrophotometers and gas chromatographs.

CONTINUING EDUCATION

- 2005 AMERICAN INDUSTRIAL HYGIENE ASSOCIATION OAK BROOK, IL
- AIHA Future Leaders Workshop
- 2004 AMERICAN INDUSTRIAL HYGIENE ASSOCIATION FALLS CHURCH, VA
- AIHA Leadership Workshop
- 2003 BOWLING GREEN STATE UNIVERSITY BOWLING GREEN, OH
- STAT 506 - Sample Design (3 credit hours)
MATH 541 - Probability and Statistics (3 credit hours)
- 2003 UNIVERSITY OF MICHIGAN ANN ARBOR, MI
- Epid 723 - Occupational and Environmental Epidemiology (1 credit hour)
Epid 759 - Introduction to SAS (1 credit hour)

PROFESSIONAL CERTIFICATION

- 1997 Diplomate, American Board of Industrial Hygiene, #7532

PROFESSIONAL EXPERIENCE

- 2001 – 2006 UNIVERSITY OF TOLEDO – HEALTH SCIENCE CAMPUS TOLEDO, OH
- Assistant Professor of Public Health. Responsible for providing faculty support to the graduate level Master of Science in Occupational Health – Industrial Hygiene Program and Master of Public Health – Environmental and Occupational Health Program and Epidemiology Program. Teach graduate courses, conduct scientific research, solicit external funding, and participate in collaborative research in exposure and risk assessment and epidemiology.
- 2000 – 2001 NAVAL HOSPITAL GREAT LAKES, IL
- Safety and Occupational Health Manager. Responsible for planning, developing, monitoring, and directing all aspects of the Occupational Safety program for Navy and civilian personnel at the Naval Hospital and tenant commands. Duties included providing training to new employees and supervisors, ensuring compliance with all OSHA and Navy regulations, managing the command's Respiratory Protection Program, establishing a functioning ergonomics program, performing mishap investigations, and analyzing mishap data to determine trends and recommendations.
- 1993 – 2000 NAVAL HOSPITAL GREAT LAKES, IL
- Industrial Hygienist in the Occupational Health/Preventive Medicine Department. Duties included planning and conducting walkthrough surveys to identify potentially hazardous operations, performing workplace monitoring to quantify personal exposure risk, presenting walkthrough survey and sampling results via verbal summaries followed by written reports, establishing statistical protocols to treat industrial hygiene exposure data and performing bulk analysis and fiber counting for asbestos. Provided assistance in developing exposure assessments for various stressors using statistical summaries. Experience evaluating firing ranges for lead exposure and ventilation requirements.
- 1991 – 1993 UNIVERSITY OF ILLINOIS AT CHICAGO CHICAGO, IL
1989 – 1990
- Graduate Research Assistant in Environmental and Occupational Health Sciences Department. Duties included teaching assistant for environmental calculations class, preparing initial data from a field test at a print shop, organizing the schedule for NIOSH trainees to attend the occupational medicine clinics, and plotting trajectories used in receptor modeling for an air toxics study.
- 1990 – 1991 ABBOTT LABORATORIES NORTH CHICAGO, IL
- Intern in Corporate Industrial Hygiene and Toxicology. Assisted in the implementation of the Abbott Occupational Health Tracking and Illness Prevention System. Summarized medical benefits data for potential occupationally-related illnesses from all Abbott facilities in the continental U.S.
- 1988 – 1989 COMMONWEALTH OF KENTUCKY FRANKFORT, KY
- Federally-funded time-limited employee as Project Epidemiologist for the Division of Epidemiology on a Cooperative Agreement from NIOSH for an occupational disease and injury surveillance program. Duties included managing a computer program for death certificate data, performing interim and final statistical analysis of the data, preparing the annual NIOSH cooperative agreement renewal request, and publishing the study findings.

PRESENTATIONS

Play,

October 2006. Milz SA, Wilkins JR, Witherspoon MK, Ames AL. "Noise Exposure Assessment of Three Adolescents Living on Farms in Northwest Ohio." Noise-Induced Hearing Loss in Children at Work & Cincinnati, OH.

October 2006. Milz S, Ames, A, Witherspoon M. "Evaluating Vapor Intrusion from Gasoline Underground Storage Tanks." Pilot Research Project 2006 Symposium, Cincinnati, OH.

May 2006. Witherspoon M, Milz S. "Total Noise Exposure Assessment of a Farm Family." American Industrial Hygiene Conference and Exposition, Chicago, IL.

May 2005. Ames A, Milz S, Akbar-Khanzadeh F. "Indoor Air Quality in Restaurants after Enactment of Clean Indoor Air Ordinances." American Industrial Hygiene Conference and Exposition, Anaheim, CA.

May 2005. Fahim M, Milz S, Bisesi M, Keil C, Rubin M. Poster session. "Comparison of Chemical Hood Test Results using Both ASHRAE 110-1995 and ANSI/AIHA Z9.5-1992 Methods: A 4-Year Study (2001-2004) at Case Western Reserve University. American Industrial Hygiene Conference and Exposition, Anaheim, CA.

May 2005. Witherspoon M, Milz S. Poster session. "Total Noise Exposure Assessment of a Farm Family." American Industrial Hygiene Conference and Exposition, Anaheim, CA.

May 2004. Milz SA, Herial N, Schaub E, Smigielski K. Poster session. "Cadmium Exposures and Concentrations at a Commercial Solar Panel Manufacturing Facility." American Industrial Hygiene Conference and Exposition, Atlanta, GA.

February 2000. Milz SA, Lesko ML. "Perchloroethylene Exposures at Navy Exchange Dry Cleaners, Naval Training Center, Great Lakes, Illinois." Navy Occupational Health and Preventive Medicine Workshop, Norfolk, VA.

April 1999. Milz SA, Lesko ML. "A Summary of Unexpected Personal Exposures Monitored at the Navy Recruit Training Command, Great Lakes, Illinois 1996-1998." Fifth Annual Uniformed Services Recruit & Trainee Healthcare Symposium, Beaufort, SC.

May 1997. Milz SA, Lesko ML. "A Comparison of Jacketed and Unjacketed Ammunition for a Recruit Firing Range." American Industrial Hygiene Conference and Exposition, Dallas, TX.

February 1997. Milz SA, Lesko ML. "A Comparison of Lead Dust Downrange after Firing Jacketed and Unjacketed Ammunition at a Recruit Firing Range." Poster session and presentation. Navy Occupational Health and Preventive Medicine Workshop, Virginia Beach, VA.

May 1995. Milz SA, Wadden RA, Franke JE, Scheff PA, Conroy LM. "Characterization of Source Activity and Emission Factors for Wave Soldering." American Industrial Hygiene Conference and Exposition, Kansas City, MO.

May 1994. Milz SA, Wadden RA, Franke JE, Scheff PA, Conroy LM. "Characterization of Source Activity and Emission Factors for a Copper Plating Line." American Industrial Hygiene Conference and Exposition, Anaheim, CA.

May 1993. Milz SA, Wadden RA, Franke JE, Scheff PA, Conroy LM. "Characterization of Source Activity and Emission Factors for Uncontrolled Trichloroethane Degreasers." American Industrial Hygiene Conference and Exposition, New Orleans, LA...

June 1992. Milz SA, Wadden RA, Franke JE, Scheff PA, Conroy LM, Keil C, Prodans R, Perez S. Poster session. "Emission Factor Field Test for a Copper Plating Line." American Industrial Hygiene Conference and Exposition, Boston, MA.

October 1989. Moritz SA. "Work-related Fatal Injuries in Kentucky." Poster session. American Public Health Association's Annual Meeting, Chicago, IL.

February 1988. Moritz SA, Hueston WD, Wilkins JR. "An Assessment of Ionizing Radiation Exposure Among Female Veterinarians." The Ohio Veterinary Medical Association's Annual Meeting, Columbus, OH.

PUBLICATIONS

Milz S, Akbar-Khanzadeh F, Ames A, Spino S, Tex C, Lanza K: Indoor air quality in restaurants with and without designated smoking rooms. *Journal of Occupational & Environmental Hygiene* (in press).

Milz S, Hewett P, Mulhausen JR, Damiano J: Quantitative exposure data: interpretation, decision making, and statistical tools. In: Ignacio JL, Bullock WH. *A Strategy for Assessing and Managing Occupational Exposures*, Third Edition. Fairfax, VA: AIHA Press, 2006.

Mulhausen J, Damiano J, Milz S: Conclusions. In: Ignacio JL, Bullock WH. *A Strategy for Assessing and Managing Occupational Exposures*, Third Edition. Fairfax, VA: AIHA Press, 2006.

Milz S, Mulhausen J: Descriptive statistics, inferential statistics, and goodness-of-fit. In: Ignacio JL, Bullock WH. *A Strategy for Assessing and Managing Occupational Exposures*, Third Edition. Fairfax, VA: AIHA Press, 2006.

Akbar-Khanzadeh F, Milz S, Ames A, Spino S, Tex C: Effectiveness of clean indoor air ordinances in controlling environmental tobacco smoke in restaurants. *Archives of Environmental Health* 2004;59(12):677-685.

Milz SA, Conrad RG, Soule RD: Principles of Evaluating Worker Exposure. In: *The Occupational Environment - Its Evaluation, Control, and Management*. Fairfax, VA:AIHA Press, 2003.

Wadden RA, Scheff PA, Franke JE, Conroy LM, Javor M, Keil CB, Milz SA: VOC emission rates and emission factors for a sheetfed offset printing shop. *American Industrial Hygiene Association Journal* 1995;56(4):368-376.

Moritz SA: Work-related fatal injuries in Kentucky -- 1983-1986. Frankfort, KY: Cabinet for Human Resources, Department for Health Services, Division of Epidemiology, June 1989.

Moritz SA, Wilkins JR III, Hueston WD: Evaluation of radiation safety in 29 Central Ohio veterinary practices. *American Journal of Public Health* 1989;79(7):895-896.

Moritz SA, Hueston WD, Wilkins JR III: Patterns of ionizing radiation exposure among women veterinarians. *Journal of the American Veterinary Medical Association* 1989;195(6):737-739.

ACADEMIC COURSES

OCCH/PUBH 506	Occupational Safety Sciences, Regulations, and Management	Fall Sem.
OCCH/PUBH 600	Public Health Statistics	Fall Sem.
OCCH/PUBH 541	Contaminant Modeling, Ventilation, and Respiratory Protection	Spring Sem.
OCCH/PUBH 601	Public Health Epidemiology	Spring Sem.

OCCH/PUBH 570

Risk Assessment, Management, and Communication

Summer Sem.

OTHER TEACHING EXPERIENCE

- 2002 – 2006 Exposure Assessment Strategies and Statistics, PDC 704, San Diego, CA, Dallas, TX, Atlanta, GA, and Chicago, IL. Taught sections on statistics and basic characterization.
- 1997 A Toolbox of Mathematical Models for Occupational Exposure Assessment, PDC 436, Dallas, TX. Taught sections on Vapor Pressure Models and The Well-Mixed Room Model with a Constant Generation Rate.
- 1991-1992 Teaching Assistant, Environmental Calculations, University of Illinois at Chicago.

RESEARCH PROJECTS

- 2005 – 2006 Task-Specific Silica Exposure During Concrete Polishing. Funded by Center to Protect Workers' Rights. Role of Co-Investigator
- 2005 – 2006 Evaluating Vapor Intrusion from Gasoline Underground Storage Tanks. Funded by University of Cincinnati Educational Resource Center. Role of Principal Investigator.
- 2005 – 2006 Monitoring Agricultural Sewage Sludge – Epidemiology. Funded by USDA. Role of Co-Investigator.
- 2004 – 2007 Farm Family Total Noise Exposure Assessment. Funded by NIOSH. Role of Principal Investigator.
- 2004 – 2005 Toledo Lucas County HbA1c Pilot Project. Funded by Aventis. Role of Statistician.
- 2004 Clean Indoor Air Ordinance Research Project. Funded by TUPCF. Role of co-investigator for both analysis of exposure to ETS and analysis of the effects of clean indoor air ordinances on smoking-related mortality and morbidity.
- 2002 - 2005 The PROMISE Institute: Providing Resources, Opportunities and Mentorship in Interdisciplinary Services and Education. Funded by DHHS, Bureau of Health Professionals, Allied Health Training Grants. Role of Faculty Team Leader.

HONORS AND CERTIFICATIONS

- 1997 Certified Industrial Hygienist (#7532)
- 1996 Industrial Hygienist in Training
- 1991 – 1992 NIOSH traineeship
- 1990 – 1991 Abbott Laboratories Fellowship
- 1989 – 1990 NIOSH traineeship
- 1985 Phi Beta Kappa
- 1985 Phi Kappa Phi

ASSOCIATION MEMBERSHIPS

- American Industrial Hygiene Association
Exposure Assessment Strategies Committee
Chair, 2005
Vice-Chair, 2004
Secretary, 2003
Modeling Subcommittee
Exposure Assessment Symposium Coordinator, PCIH 2005
Exposure Assessment Strategies & Statistics Course Coordinator,
AIHCE 2002, 2003, 2004, and 2006
Session Arranger, Moderator AIHCE 2001
Roundtable Arranger, Moderator AIHCE 2003

Moderator, Monitor AIHCE 2004
Invited to participate in AIHCE Strategic Planning Meeting, 2004
Northwest Ohio Local Section Board Member
American Conference of Governmental Industrial Hygienists
American Society of Safety Engineers

EXTERNAL FUNDING

- 2005 – 2006 “Evaluating Vapor Intrusion from Gasoline Underground Storage Tanks” grant funded by the University of Cincinnati Educational Resource Center, \$5,000.
- 2005 – 2006 “Monitoring Agricultural Sewage Sludge” grant funded by the United States Department of Agriculture (USDA), \$145,000.
- 2005 – 2006 “Task-specific Silica Exposure during Concrete Polishing” grant funded by the Center to Protect Workers’ Rights (CPWR), \$18,946.
- 2004 - 2007 “Farm Family Total Noise Exposure Assessment” grant funded by the National Institute of Occupational Safety and Health (NIOSH), \$100,000.
- 2004 – 2005 “Toledo Lucas County HbA1c Pilot Project” funded by Aventis, \$40,070.
- 2004 “Clean Indoor Air Ordinance Project” grant funded by TUPCF, \$112,989.
- 2002 – 2005 “The PROMISE Institute – Providing Resources, Opportunities, and Mentorship in Interdisciplinary Services and Education” grant funded by the Bureau of Health Professionals, Allied Health Training Grants, \$122,725.
- 1996 – 2006 American Industrial Hygiene Association Exposure Assessment Strategies Committee, travel funding to attend mid-year working meeting in Fairfax, VA.

References available upon request

December 2006