

**ROBERT R. JACOBS, PHD
CURRICULUM VITAE**

HOME ADDRESS:

502 Kinglan Road
Louisville, Kentucky 40207
(502) 891-8809

BUSINESS ADDRESS:

Department of Environmental and Occupational Health
School of Public Health and Information Sciences
University of Louisville
485 East Gray Street, Suite 203
Louisville, KY 40202
(502) 852-0196 / Fax (502) 852-3291

EDUCATION:

Baylor University
Waco, Texas

BSc - 1970 Biology

Baylor University
Waco, Texas

MSc - 1974 Limnology

University of North Carolina
Chapel Hill, NC

PhD - 1979
School of Public Health
Environmental Sciences and Engineering

POSITIONS HELD:

2010-2011 Fulbright Scholar: West China School of Public Health, Sichuan University, Chengdu, Sichuan, China

2005-Present Director, Graduate Program in Public Health School of Public Health and Information Sciences, University of Louisville, Louisville, KY

2005-Present Professor, Department of Environmental and Occupational Health, School of Public Health and Information Sciences, University of Louisville, Louisville, KY

2003-2005 Director, Epidemiology and Biostatistics Research Core Eastern Virginia Medical School

2000-2005 Director, Graduate Program in Public Health, Eastern Virginia Medical School and Old Dominion University, Norfolk, VA

2000-2005 Professor, Community and Family Medicine, Eastern Virginia Medical School, Norfolk, VA

2000-2005 Adjunct Professor, Community and Environmental Health, Old Dominion University, Norfolk, VA

1998-2000 Professor, Environmental Health Sciences, School of Public Health, University of Alabama at Birmingham, Birmingham, AL

1997-2000 Secondary Associate Professor, Center for Health Promotion, Department of Health Behavior, School of Public Health, University of Alabama at Birmingham, Birmingham, AL

1993-2000 Secondary Associate Professor, Department of Civil and Environmental Engineering, School of Engineering, University of Alabama at Birmingham, Birmingham, AL

1993-1995 Chairman, Environmental Health Sciences, School of Public Health, University of Alabama at Birmingham, Birmingham, AL

1990-2000 Adjunct Associate Professor, Department of Industrial Engineering, Auburn University, Auburn, AL

1987-1998 Associate Professor, Environmental Health Sciences, School of Public Health, University of Alabama at Birmingham, Birmingham, AL

1981-1987 Associate Director, Health and Safety Research, Cotton Incorporated, Raleigh, NC

1979-1981 Assistant Professor of Environmental Health, East Tennessee State University, Johnson City, TN

Jacobs, Robert R.

1975-1979 Research Assistant, Department of Environmental Sciences and Engineering, School of Public Health, University of North Carolina, Chapel Hill, NC
1974-1975 Research Fellow, Department of Environmental Sciences and Engineering, University of North Carolina, Chapel Hill, NC
1973 Research Assistant, University of Texas Marine Science Institute, Port Aransas, TX
1973 Instructor, Department of Biology, Baylor University, Waco, TX
1970-1972 Secondary Teacher, Eku High School, Eku Nigeria, West Africa

TEACHING RESPONSIBILITIES AND OUTSIDE LECTURES

2011 Lecturer – Environment and Health (Fulbright Course – West China School of Public Health, Sichuan University)
2010-2011 Course Master – Indoor Air Pollution and Health (Fulbright Course - West China School of Public Health, Sichuan University)
2005- Course Master – Advanced Topics in Environmental Health (PHEH 651)
2005- Course Master – Practicum Experience – Environmental Health Sciences (PHPH 679)
2005- Course Master – Integration and Learning Experience in Public Health (PHPH 697)
2005- Course Master—Introduction to Environmental Health (PHEH 500)
2005- Co-Course Director – Introduction to Occupational Health (PHEH 610)
2002-2005 Course Master – Introduction to Epidemiology
2000-2005 Course Master – Healthcare Administration and Organization
2000-2005 Course Master – Internship and Practicum advisor
2000-2005 Course Master – Capstone Seminar
2001-2003 Course Master – Public Health Ethics
1997-2000 Course Master – Fundamentals of Environmental Health (ENH 600), UAB School of Public Health
1996-2000 Course Master – Environmental Management (ENH 602), UAB School of Public Health
1995-2000 Lecturer – American College of Occupational and Environmental Medicine (ACOEM)
1995-2000 Lecturer – Risk Assessment of Environmental Hazards (ENH 651), UAB School of Public Health
1995-2000 Coordinator – Environmental Health Seminar (ENH 695), UAB School of Public Health
1993-2000 Course Master – Biological Processes and Pollutant Impacts in Water (ENH 663), UAB School of Public Health
1987-2000 Course Master – Occupational Diseases (ENH 620), UAB School of Public Health
1992-1993 Course Master – Toxic Agents and Environmental Toxicology (PHE 551), UAB School of Public Health
1991-1993 Lecturer – Industrial Hygiene Case Studies (PHE 525), UAB School of Public Health
1991 Lecturer – Advanced Environmental Health Sciences (PHE 700), UAB School of Public Health
1987-1998 Course Master – Biohazardous Agents in Occupational/Indoor Environments (ENH 629), UAB School of Public Health
1987-1995 Course Master – Pulmonary and Dermal Risk Management (ENH 761), UAB School of Public Health
1990-1999 Lecturer – Auburn Industrial Hygiene Course
1990-1999 Lecturer – Fundamentals of Industrial Hygiene (ENH 621), UAB School of Public Health
1990-1998 Lecturer – Essentials of Toxicology (ENH 650), UAB School of Public Health
1990-1997 Lecturer – UAB/NIOSH Educational Resource Center Comprehensive Review of Industrial Hygiene
1990-1995 AIHCE Professional Development Course
1990 Lecturer – Fundamentals of Air Pollution (PHE 560), UAB School of Public Health
1990 Lecturer – Occupational/Environmental Diseases, Gulf Shores
1990 Lecturer – Occupational Lung Disease, UAB Medical School

MEMBERSHIP ON COMMITTEES:

2012-2013 Institutional Biosafety Committee, Member
2008-Present U of L School of Public Health and Information Sciences, Academic Affairs Committee
2005-Present U of L School of Public Health and Information Sciences, Accreditation Committee
2005-Present U of L School of Public Health and Information Sciences, Admissions Committee
2005-Present U of L School of Public Health and Information Sciences, Curriculum Committee
2005-Present U of L School of Public Health and Information Sciences, Promotion and Tenure Committee
2005-Present U of L School of Public Health and Information Sciences, Faculty Forum Committee
2005-2007 U of L Faculty Senate – Representative School of Public Health and Information Sciences
2002-2005 ODU Environmental Health Advisor Council
2002-2005 EVMS Research Advisor Council
2000-2005 EVMS Medical School Curriculum Committee
2000-2005 EVMS Environmental Health and Safety Committee
2000-2003 EVMS Strategic Planning Committee
2000-2002 ODU Department Chair of Nursing Search Committee

PROFESSIONAL/SCIENTIFIC ORGANIZATION MEMBERSHIPS:

American Conference of Governmental Industrial Hygienists
Kentucky Public Health Association
American Teachers of Preventative Medicine
American Public Health Association
National Environmental Health Association

HONORS

Delta Omega, National Honor Society in Public Health
2010-11 Fulbright Lecturing Scholarship, West China School of Public Health, Sichuan University, China

EXTRAMURAL SERVICE

2010-present Environmental Health Committee, Metro Louisville Department of Health and Wellness
2008-present Item writer, National Board of Public Health Examiners
2008-present Associated Schools of Public Health Review Panel for ASPH/CDC fellowship applications
2007-present Consultant, Louisiana Board of Regents: Review proposed MPH program development
2007-2010 Chair Elect, Environmental and Occupational Health Council, Associated Schools of Public Health (ASPH)
2006-present Environmental Health Committee – National Board of Public Health Examiners Study Guide Development, Associated Schools of Public Health (ASPH)
2006-present National Board of Public Health Examiners, Liaison for the University of Louisville School of Public Health and Information Sciences
2006-present Green Cities Partnership, Louisville, KY - Climate Change Committee
2005-present Green Cities Partnership, Louisville, KY - Environmental Health Committee
2000-present Accreditation Site Reviewer – Council for Education in Public Health (CEPH)
2002-2004 Physicians for Peace – Medical Advisory Committee
1997-present *Journal of Cotton Science* editorial board member
1999-present *Applied Occupational and Environmental Hygiene* reviewer
1995-present *Annals of Agricultural and Environmental Medicine* editorial board member
1994-2000 Consultant, Enzyme Technical Association

1993-2002 Consultant, Genencor, Biotechnology - Health effects associated with exposure to aerosols of endotoxin
1990-1997 AIHA Biohazards Committee (Chairman, 1990-1991)
1990-2001 Steering Committee Beltwide Cotton Conferences
1985-1998 Industry/Government/Union Task Force on Byssinosis Prevention
1983-1998 Textile Industrial Hygiene Roundtable
1983-2004 Cotton Dust Conference Planning Committee
1992-1995 Consultant, Proctor & Gamble, Health effects of endotoxin
1990-1992 Consultant, IBIS, Biotechnology - Health effects associated with exposure to aerosols of endotoxin in a detergent manufacturing industry.
1989-2002 Committee on Organic Dust - International Commission for Occupational Health (Chairman, 1995-present)
1989-1990 Consultant, USDA and Eastman Kodak, health effects associated with exposure to aerosols of "Snomex", a Gram negative bacterial preparations used to enhance snow formation at higher temperatures.
1988-1991 AIHA Biosafety Planning Committee (Chairman, 1990)

FUNDED RESEARCH, TRAINING GRANTS, AND CONTRACTS

2010-2012 Fulbright Lecturing Scholarship, China
2005-2011 Investigator, Genetic & Environmental Risk Factors for PSP, \$3,000,000, NINDS (2005-2010), (Dr. Irene Litvan, PI)
2005-present Investigator, Bioterrorism Training and Curriculum Development Program (BTCDP), \$900,000, HRSA (2004-2007), (Dr. Paul McKinney, P.I.)
2005-2010 Investigator, Health Effects of Occupational Exposures in PGDP Workers, \$1,669,324, CDC-NIOSH (2004-2009), (Dr. David Tollerud, P.I.)
2004-2005 Investigator, Healthy Homes Initiative, \$950,000, HUD
2000-2005 P.I., Training the Public Health Workforce, \$45,000, HRSA Subcontract through the University of North Carolina School of Public Health
2003-2005 Investigator, Research Training in Primary Care Medicine, 2003-06, \$310,000, HRSA
2004-2005 P.I., Emergency Preparedness Training for Primary Care Physicians, \$35,000, Virginia Department of Public Health
2004-2005 P.I., Evaluation of effectiveness of Programs by volunteer agencies in developing countries; \$35,000, Pfizer through Physicians for Peace
2001-2003 P.I., Evaluation and Assessment of Moldavian Indoor Air Quality, 2001-03, \$33,769, Civilian Research and Development Foundation
2000-2003 Investigator, Primary Health Care Partnership with the State Medical and Pharmaceutical University of the Republic of Moldova, \$810,000, USAID – American International Health Alliance
1998-2000 Investigator, Environmental and Molecular Epidemiology of *P. carnii*,” \$1,272,146, NIH
1995-1999 P.I., Evaluation of the Pulmonary Health Effects of Novel Workshifts in the Cotton Textile Industry, \$61,249, American Textile Manufacturers Institute
1994-2000 Investigator, “Deep South Occupational Safety and Health Educational Safety & Health Resource Center”, \$7,536,902, CDC
1997-1999 P.I. “Studying Indoor Air Quality,” \$18,000, CDC, University of North Carolina
1995-1999 Investigator, “Bridges to the Future Program,” \$508,239, NIH/NIGMS
1996-1998 P.I., “Percutaneous Penetration of Toxic Substances from Contaminated Soils,” \$25,000, ADPH/ALERT
1996-1998 P.I., “Technical Oversight of the North Birmingham Brownfield Project,” \$43,661, ADPH
1992-1996 Investigator, “On-Site Measurement of Fungal Spores and Bacteria in Air,” \$307,824, NIOSH
1991-1995 P.I., “Organic Dust Exposure,” \$462,850, USDA-ARS

- 1991-1993 P.I., "Determination if Atopy is a Predictor of Cotton Dust Reaction," \$5,520, The Cotton Foundation
- 1988-1993 P.I., "The Cotton Foundation Research Project," \$22,475, The Cotton Foundation

PUBLICATIONS:

Peer-Reviewed Articles:

1. Jacobs, R.R. and O.T. Lind: The combined relationship of temperature and molybdenum concentrations to nitrogen fixation. *Anabaena cylindrica*, *Microbial Ecology*, 3:205-217, 1977.
2. Sobsey, M.D., R.R. Jacobs, J.S. Glass and W.A. Rutala: Modification of the tentative standard method for improved virus recovery efficiency. *Journal of the American Water Works Association* 350-355, 1980.
3. Jacobs, R.R. and C.S. Bishop: Evaluation of the impact imposed upon surface water sources by implementation of the federal water conservation and reuse policy in a river basin with a water surplus. Tennessee Water Resources Research Center Research Report No. 84, January 1981.
4. Jacobs, R.R. and P.J. Wakelyn: Status of cotton dust standards; and some observations on cotton dust research and the conference. In: Proceedings of the Sixth Cotton Dust Research Conference, pp:1-8. P.J. Wakelyn, ed. Memphis, TN: National Cotton Council, 1982.
5. Fischer, J.J. and R.R. Jacobs: Gram-negative bacterial and endotoxin in washed cotton. In: Proceedings of the Seventh Cotton Dust Research Conference, pp:59-61. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1983.
6. Jacobs, R.R.: Review of the etiology and pathogenesis of byssinosis: A historical perspective. In: Proceedings of the Seventh Cotton Dust Research Conference, pp:7-9. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1983.
7. Milner, P.D., R.R. Jacobs, H.H. Perkins, Jr. and R.M. Castellan: Microbiological characteristics of dust from standard and washed cottons. In: Proceedings of the Seventh Cotton Dust Research Conference, pp:72-76. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1983.
8. Castellan, R.M., S.A. Olenchock, J.L. Hankinson, P.D. Milner, J.B. Cocks, C.K. Bragg, H.H. Perkins, Jr. and R.R. Jacobs: Acute bronchoconstriction induced by cotton dust: Dose-related responses to endotoxin and other dust factors. *Annals of Internal Medicine* 101:(2):157-163, 1984.
9. Fischer, J.J. and R.R. Jacobs: Microbial studies of "standard cotton dust." In: Proceedings of the Eighth Cotton Dust Research Conference, pp:38-40. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1984.
10. Jacobs, R.R.: *In vivo* and *in vitro* evaluations of the "standard cotton dust." In: Proceedings of the Eighth Cotton Dust Research Conference, pp:30-34. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1984.
11. Boehlecke, B. and R.R. Jacobs: Reproducibility of shift decrements in fev₁ in textile workers. In: Proceedings of the Ninth Cotton Dust Research Conference, pp:88-90. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1985.
12. Fischer, J.J. and R.R. Jacobs: Effect of area of growth of cotton species on gram-negative bacillary and endotoxin levels. *Textile Research Journal* 55(3):165-170, 1985.
13. Boehlecke, B., K. Hofner and R.R. Jacobs: Follow-up study of pulmonary function of a cohort of textile mill workers. In: Proceedings of the Tenth Cotton Dust Research Conference, pp:98-100. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1986.
14. Jacobs, R.R.: Byssinosis research: where do we need to go? In: Proceedings of the Tenth Cotton Dust Research Conference, pp:165-167. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1986.
15. Jacobs, R.R.: Strategies for prevention of byssinosis. *American Journal of Industrial Medicine* 12(6):717-728, 1987.

16. Rylander R., R.S. Schilling, C.A. Pickering, G.B. Rooke, A.N. Dempsey and R.R. Jacobs: Effects after acute and chronic exposure to cotton dust: The Manchester criteria. *British Journal of Industrial Medicine* 44(9):577-579, 1987
17. Fischer, J.J., P. Fisher and R.R. Jacobs: Endotoxin on cottons and bracts from four areas throughout the 1986 growing season. In: Proceedings of the Twelfth Cotton Dust Research Conference, pp:40-42. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1988.
18. Rylander, R., R.S.F. Schilling, C.A.L. Pickering, G.B. Rooke, A.N. Dempsey and R.R. Jacobs: Cotton workers and the Manchester criteria. *British Journal of Industrial Medicine* 45:431-432, 1988.
19. Fischer, J.J., K. Foarde and R.R. Jacobs: Endotoxin on cottons and bracts from four areas throughout the 1987 growing season. In: Proceedings of the Thirteenth Cotton Dust Research Conference, pp: 31-33. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1989.
20. Jacobs, R.R.: Airborne endotoxins: An association with occupational lung disease. *Applied Industrial Hygiene* 4(2):50-56, 1989.
21. Jacobs, R.R.: What is byssinosis and what research remains to be done. In: Proceedings of the Thirteenth Cotton Dust Research Conference, pp:149-159. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1989.
22. Grimsley, F., R. Jacobs and J. Perkins: Varicella-zoster virus susceptibility in day-care workers. *Applied Occupational and Environmental Hygiene* 7(3):191-194, 1992.
23. Jacobs, R.: Special session: On endotoxin and cotton dust. In: Proceedings of the 16th Cotton Dust Research Conference, pp: 331-340. L.N. Domelsmith, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1992.
24. Jacobs, R., B. Boehlecke and R. Rylander: Cellular influx in nasal lavage of humans exposed to cotton dust. In: Proceedings of the 16th Cotton Dust Research Conference, pp. 215-218. L. N. Domelsmith, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1992.
25. Jacobs, R. and K. Atchley: An evaluation of available methods for measuring condensed tannins in airborne samples of vertical elutriated cotton dust. In: Proceedings of the 17th Cotton Dust Research Conference, pp:329-331. L.N. Domelsmith, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1992.
26. Jacobs, R., B. Boehlecke, M. van Hage-Hamsten and R. Rylander: Bronchial reactivity, atopy and airway response to cotton dust. *American Review of Respiratory Disease* 148(1):19-24, 1993.
27. Jacobs, R., B. Boehlecke, H.H. Perkins and D. Chun.: Evaluation of the Acute Pulmonary Response to Aerosols of Dust From Batch-Kier Washed Cotton. In: Proceedings of the 17th Cotton Dust Research Conference, pp:274-278. P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1993.
28. Jacobs, R.R. and W. Phanprasit: An *in vitro* comparison of the permeation of chemicals in vapor and liquid phase through pig skin. *American Industrial Hygiene Association Journal* 54(10):569-575, 1993.
29. Jacobs, R.R.: Sampling environments containing organic dust. *American Journal of Industrial Medicine* 25(1):3-11, 1994.
30. Jennison, E. and R. Jacobs: Evaluation of the association of acute overshift change in pulmonary function and steps using OSHA cotton dust surveillance data. *American Journal of Industrial Medicine* 25:737-747, 1994.
31. Pratt, D., M.F. Carvalheiro, J. Dutkiewicz, H. Goto, R. Jacobs, J. Liesivuori, E. Melbostad, A. Rask-Anderson and D. Sekimpi: Endotoxin and (1 \rightarrow 3)-beta-D-glucan. *American Journal of Industrial Medicine* 25(1):139-140, 1994.
32. Beijer, L., R.R. Jacobs, B. Boehlecke, B. Andersson and R. Rylander: Monocyte responsiveness and a T-cell subtype predict the effects induced by cotton dust exposure. *American Journal of Respiratory and Critical Care Medicine* 152(4 Pt 1):1215-20, 1995.
33. Jacobs, R. and P. Pietrowski: The effect of sodium dodecyl sulfate versus water extraction on the detection of endotoxin with the limulus amoebocyte lysate assay. In: Proceedings of the 19th Cotton Dust Research Conference, pp:283-285. R. Rylander, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1995.

34. Robinson, V.A., D.G. Frazer, M.A. Rousselle, J.A. Thomasson, W.H. Pailles, R.R. Jacobs and V. Castranova: Pulmonary responses of guinea pigs to heat-treated vs untreated cotton dust. In: Proceedings of the 19th Cotton Dust Research Conference, pp:269-272. R. Rylander, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN:National Cotton Council, 1995.
35. Beijer, L., R.R. Jacobs and R. Rylander: Inflammatory responses in the lung and cell activity indicators. *Chest* 109 (3 Suppl):64S, 1996.
36. Williams, B.G. and R. Jacobs: Confirmation of self-administered questionnaire as a valid indicator of atopy in cotton textile workers using a quantitative skin test. In: Proceedings of the 20th Cotton Dust Research Conference, pp. 302-304. R. Rylander, P.J. Wakelyn and R.R. Jacobs, eds. Memphis, TN: National Cotton Council, 1996.
37. Jacobs, R.R.: Endotoxins in the Environment. *International Journal of Occupational and Environmental Health* 3:S3-S5, 1997.
38. Jacobs, R.R.: Environmental Monitoring of Endotoxins. *International Journal of Occupational and Environmental Health* 3:S37-S41, 1997.
39. Jacobs, R.R.: Analyses of Endotoxins. *International Journal of Occupational and Environmental Health* 3:S42-S48, 1997.
40. Jacobs, R.R., D. Heederik, J. Douwes and U. Zähringer: Endotoxin Structure. *International Journal of Occupational and Environmental Health* 3:S6-S7, 1997.
41. Rylander, R. and R.R. Jacobs: Prologue. *International Journal of Occupational and Environmental Health* 3:S1, 1997.
42. Bartlett, M.S., S.H. Vermund, R.R. Jacobs, P. Durant, M.M. Shaw, J.W. Smith, X. Tang, J.-J. Lu, B.H. Li, S. Jin and G.H. Lee: Detection of pneumocystis carinii DNA in air samples: Likely environmental risk to susceptible persons. *J. Clin. Microbiol.* 35:1-3, 1997.
43. Watts, D.N., R.R. Jacobs, B. Forrester and A. Bartolucci: An evaluation of the prevalence of latex sensitivity among atopic and non-atopic intensive care workers. *American Journal of Industrial Medicine*, 34:359-363, 1998.
44. Young, Shih-Houng* and R.R. Jacobs: Sodium Hydroxide Induced Conformational Changes in Shizophyllan Detected by the fluorescence dye, analine blue. *Carbohydrate Research* 310: 91-99, 1998
45. Dillon, H.K, J.David Miller, W. G. Sorenson, J. Douwes, and R.R. Jacobs: Review of Methods Applicable to the Assessment of Mold Exposure to Children. *Environmental Health Perspectives*. Vol .107(3):473-480, June 1999
46. Taylor, L., P.C. Reist, B. Boehlecke, and R.R. Jacobs: Characterization of an Aerosol Chamber for Human Exposures to Endotoxin: *Applied Occupational and Environmental Hygiene*. Vol. 15 (3): 303-312, 2000
47. Young, Shih-Houng, Wen-Ji Dong, R.R. Jacobs: Observation of a partially opened Triple-Helix Conformation in 1-3 Beta Glucan by Fluorescence Resonance Energy Transfer Spectroscopy. *The Journal of Biological Chemistry*, Vol. 275 (16):11874-11879, 2000
48. Chun, David, V. Chew, K. Bartlett, T.Gorden, R. Jacobs, et. al.: Preliminary Report on the Results of the Second Phase of a Round-Robin Endotoxin Assay Study Using Cotton Dust, *Applied Occupational and Environmental Hygiene*. Vol. 15 (1): 152-157, 2000
49. Petersen, D.J., P. M. Ginter, M.E. Hovinga, O.D. Williams, R.R. Jacobs, S. Davies: Public Health Case Studies: A New MPH Requirement Bridging Academia and Practice. *J Public Health Management Practice*, 2001, 7(3), 86-91.
50. Dearwent SM, Jacobs RR, Halbert JB. Locational Uncertainty In Georeferencing Public Health Datasets. *Journal of Exposure Analysis and Environmental Epidemiology*, July - August 2001, Vol. 11, No. 4 pp.329-334
51. Chun, D., V. Chew, K. Bartlett, T.Gordon, R. Jacobs, et al.: Second Inter-Laboratory study comparing endotoxin assay results from cotton dust. *Ann. Agric Environ Med* 2002, 9:49-53.
52. Chicu V., Robert R. Jacobs, Friptuleac G., Babalau V., Stiuca S., Stratu R. and Tafuni A. "Impact of risk factors in diseases history of children with recurrent bronchitis", *Bulletin of Perinatology* 4 (2002): 11-14 (Moldova).

53. Chicu V., Robert R. Jacobs, Friptuleac G., Babalau V., Stiuca S., Stratu R. and Tafuni A. "Assessment Study of Respiratory System State in Students on the Basis of Questioning" *Scientific Annals of State Medical and Pharmaceutical University "Nicolae Testemitanu"* (2002): v.3, 467-473 (Moldova).
54. Shih-Houng Young, Victor A. Robinson, Mark Barger, Robert R. Jacobs, David G. Frazer and Vincent Castranova¹; Partially-opened Triple-helix Is the Biological Active Conformation of 1-3- β -Glucans which Induces Pulmonary Inflammation in Rats; *Journal of Toxicology and Environmental Health*, 66:551-563, 2003
55. Boehlecke B, Hazucha M, Alexis NE, Jacobs R, Reist P, Bromberg PA, Peden DB. Low-dose airborne endotoxin exposure enhances bronchial responsiveness to inhaled allergen in atopic asthmatics. *J Allergy Clin Immunol*. 2003 Dec; 112(6):1241-3.
56. Chicu V., Robert R. Jacobs, Friptuleac G., Babalau V., Stiuca S., Stratu R. and Tafuni A. "Hygienic Characteristics of Indoor Air in Residencies and Respiratory Diseases Prevention", *Materials of Congress of Hygienists, Epidemiologists and Microbiologists of Moldova*; (2004) (Moldova)
57. Jacobs, R. R., Chun, D. C. 2004. Inter-Laboratory Analysis of Endotoxin In Cotton Dust Samples. *American Journal of Industrial Medicine* 46:333-337.
58. Chun DT, Bartlett K, Gordon T et al. (Jacobs RR) History and results of the two inter-laboratory round robin endotoxin assay studies on cotton dust. *American Journal of Industrial Medicine* 49(4):301-6, 2006
59. Chan C, Heinbokel JF, Myers JA, Jacobs RR. 2011. Development and evaluation of a dynamic model that projects population biomarkers of methylmercury exposure from local fish consumption. *Integr Environ Assess Manag* 7: 624-635.
60. Chan C, Heinbokel JF, Myers JA, Jacobs RR. 2012. A dynamic model using monitoring data and watershed characteristics to project fish tissue mercury concentrations in stream systems. *Integr Environ Assess Manag* 8: 709-722.
61. Chan C, Jacobs RR. Analysis of potential mercury policies: The impact of stream basin characteristics on susceptible populations. *Integr Environ Assess Manag* doi/10.1002/ieam.1359.

SELECTED PRESENTATIONS: (since 2000)

1. Sobsey, M.D., R.R. Jacobs, B.L. Carlile and L.S. Stewart: Enteric virus removal from septic tank effluent by pilot scale soil adsorption systems. National Conference on Environmental Engineering Research, Development and Design. Seattle, Washington, p. 29, July 12-13, 1976.
2. Jacobs, R.R. and M.D. Sobsey: Improved methods for concentrating adenoviruses from drinking water. Abstracts of the Annual Meeting of the American Society for Microbiology, Las Vegas, Nevada, 1978.
3. Jacobs, R.R. and M.D. Sobsey: adenovirus/adsorbent filter surface interactions when concentrating viruses from water. Abstracts of the Annual Meeting of the American Society for Microbiology, Miami, Florida, 1980.
4. Jacobs, R.R.: The use of a standard dust for evaluating the etiology and pathogenesis of byssinosis. American Chemical Society Special Symposium on Cotton Dust. Philadelphia, PA, August 25-31, 1984.
5. Jacobs, R.R.: Byssinosis prevention. Presented at an international workshop, "Byssinosis in the Far East" Hong Kong, Nov. 12-14, 1986.
6. Jacobs, R.R.: Reference LPS. Endotoxin Inhalation Workshop Ed. R. Rylander, R. Burrell and Y. Peterson. September 28-30, 1987. Clearwater, Florida.
7. Jacobs, R.R. and W. Phanprasit*: Development of an *in vitro* system to evaluate the dermal penetration of vapors. Paper presented at the American Industrial Hygiene Conference, Orlando, FL; May 13-18, 1990.

8. Beijer, L., R. Rylander, B. Boehlecke and R. Jacobs: Blood monocyte procoagulant activity as a predictor of organic dust induced pulmonary function decrease. Presented at American Thoracic Society Meetings, May 1991.
9. Boehlecke, B., R. Jacobs and R. Rylander: Association of mild atopy and airway response to cotton dust. Presented at the Fourth International Conference on Environmental Lung Disease, Sept. 25-28, Montreal, Quebec, Canada, 1991.
10. Hochuli, E.; R.R. Jacobs and P.J. Wakelyn: Evaluation of the association of acute overshift change in pulmonary function and atopy using OSHA surveillance data. In: The Beltwide Cotton Conference. January 6-10, 1992, National Cotton Council, Washington, D.C.
11. Jacobs, R.R., B. Boehlecke and R. Rylander: Cellular influx measured nasal lavage from humans exposed to aerosols of cotton dust. Presented at The Beltwide Cotton Conference, January 6-10, 1992, National Cotton Council, Washington, D.C.
12. McCann, P.P. and R.R. Jacobs: Comparison of methods for measuring endotoxin in organic dust. Presented at the American Industrial Hygiene Conference and Exposition, 1992.
13. Rish, M.E. and R.R. Jacobs: Gas chromatography as an alternative analysis technique for skin permeation assessment. Presented at the American Industrial Hygiene Conference and Exposition, 1992.
14. Jacobs, R.: Strategies for measuring organic dust; causative agents for organic dust-related disease. (Invited Paper). Skokloster 3 Workshop, April 6-9, Skokloster, Sweden, 1992.
15. Jacobs, R.: Biological agents: Comments on standard settings. (Invited Paper). International Occupational Hygiene Association, First International Scientific Conference. Brussels, Belgium, Dec. 7-9, 1992.
16. Harder, S., B. Boehlecke, R. Jacobs, S. Becker and R.B. Devlin: Spirometric and Inflammatory response of humans exposed to cotton dust containing different amounts of LPS. Presented at the 1993 meetings of the American Thoracic Society, 1993.
17. Thomas, K. and R. Jacobs: An evaluation of the concentration of glucans in bulk samples of cotton dust using the limulus amebocyte lysate assay. Presented at the Conference of the American Industrial Hygiene Association, New Orleans, La, May 1993.
18. Rylander, R. and R. Jacobs: Bronchial reactivity after cotton dust exposure. International Workshop on Byssinosis, Guangzhou, The People's Republic of China, December 8-9, 1993.
19. Jacobs, R.: Evaluation of occupational environments for gram negative bacterial endotoxin. In: roundtable on non-viable bioaerosols. Conference of the American Industrial Hygiene Association, Anaheim, Ca, May 1994. (Invited Presentation).
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