

**CATHY A. RICHMOND**

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**PROJECT ASSIGNMENT**

Indoor Environmental Professional

**YEARS OF APPLICABLE EXPERIENCE**

17 Years

**EDUCATIONAL BACKGROUND**

- |      |                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1970 | B.S., Health & Physical Education<br>Kent State University, Kent, Ohio                                                                            |
| 2004 | Harvard University School of Public Health, <i>Fungal Spore Identification</i><br>Boston, Massachusetts                                           |
| 2005 | Emory University, Rollins School of Public Health, <i>Medical Mycology:<br/>Laboratory Identification of Pathogenic Molds</i><br>Atlanta, Georgia |

**SUMMARY OF PROFESSIONAL CERTIFICATIONS AND AFFILIATIONS**

- PAAA - Pan-American Aerobiology Association
- IICRC – Institute of Inspection, Cleaning & Restoration Certification
- IAQA – Indoor Air Quality Association
- NEHA – National Environmental Health Association
- NORMI – National Organization of Remediators and Mold Inspectors

**PROFESSIONAL EXPERIENCE**

- |                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| <b>2007 to present</b> | <b>President, LRC Indoor Testing &amp; Research, Inc.<br/>Environmental Consultant</b>            |
| <b>2007 to 2010</b>    | <b>Duke University Medical Center, Division of Infectious<br/>Diseases<br/>Laboratory Analyst</b> |

Duties and responsibilities: Analyze non-viable air samples for fungal contaminants.

**2003 to 2007**

**Restoration Sciences, LLC  
Environmental Scientist**

Duties and responsibilities: Analyze samples for Environmental Microbiology Performance Analytical Testing Program (EMPAT). Analyze bioaerosols and other environmental samples for fungal contaminants. Conduct analysis of non-viable and viable air and surface samples. Conduct assays for fungi and bacteria. Conduct laboratory maintenance, inventory of supplies, and tracking (including follow up with clients regarding samples). Prepares and maintains reagents for use in the analysis of non-viable samples.

Conducts Indoor Air Quality investigations, prepares reports and conducts research. Direct involvement in research project for a cleaning product that involved the collection of samples pre and post remediation, sample preparation and analysis, assist in the research and preparation of data.

**2002 to 2003**

**Applied Environmental, Incorporated  
Health Research Services Division  
Environmental Health Technician**

Duties and responsibilities: Assist with data management and reporting for the Environmental Microbiology Performance Analytical Testing Program (EMPAT), a novel environmental microbiology laboratory proficiency and accreditation program, for the American Industrial Hygiene Association (AIHA). Direct involvement on research study investigating the relationship between antibiotic and antibacterial resistance in human skin bacteria isolated from individuals in the home environment, relative to frequent use of topical antibacterial bath soaps and body washing products. Involves participant recruitment and enrollment, home visits collecting skin bacteria samples, sample processing and antibiotic and antibacterial resistance testing of bacterial isolates, data organization, analysis, and management. Provides assistance with indoor environment investigations and analyzes bioaerosols and other environmental samples (water, dust, etc.) for bacterial and fungal contaminants.

**2001 to 2003**

**Aerobiology Laboratory Associates, Incorporated  
Laboratory Analyst**

Duties and responsibilities: Performs indoor air quality surveys and analysis of biocontaminant samples: water, air, dust, and bulk. Analyze bioaerosols and other environmental samples for fungal contaminants. Assists with the analysis of non-viable spore trap samples and other directs. Conducts assays for fungi and bacteria. Assists with laboratory maintenance, inventory of supplies, and sample tracking (including follow up with clients regarding sample receiving problems). Prepares and maintains reagents for use in the analysis of non-viable samples. Assists in preparation of reports, literature searches, and annotated bibliographies.

**1998 to 2002**                      **Wake County School System**  
**Teacher**

**1991 to 1994**                      **McCandless Franklin Park Ambulance Authority**  
**EMT, CPR Instructor, 911 Dispatcher**

#### **CONTINUING EDUCATION**

*Spore Trap Air Sampling for Mold: Limitations and FAQ's.* Donald Weekes, InAir Environmental. February 2020.

*Water Damage, It is What it is.* Jeremy Beagle, SDII Global, February 2020.

*(Not the) Same Mold Story,* Bob Krell, Healthy Indoors Magazine, February 2020.

*Mold, Mycotoxins, Endotoxins: Remediation for Hypersensitive Individuals,* Brian Karr, The Mold Guy, Inc. February 2020.

*Practical Considerations of Airborne Mold Sampling,* Bruce Ferguson, Air Source Technology, 2020.

*A Paradigm Shift in Reporting Environmental Fungal Infestations,* Dennis Hooper, Intmed, February 2020.

*Mold and Bacteria Growing Together,* Greg Weatherman, Aerobiological Solutions, 2020.

Phoenix Winner from RIA (Restoration Industry Association) for Project of the Year for Innovation in Remediation. Project: *Health Survey for Air Traffic Controllers at Detroit Airport,* Mold Remediation Project, March 2012.

*Preventing Improper Environmental Laboratory Practices,* Advanced Systems, Inc., Consolidated Laboratory Services, Richmond, Virginia, May 2007.

*Intermediate Fungal Identification,* Natural Link Mold Laboratory, Sparks, Nevada, Dr. Sean Abbott, April 2005.

*Mold Infestation Conference,* American Society of Professional Education, January 2003.

*Microbial Remediation: Design and Abatement.* Medical University of South Carolina, College of Health Professions Program in Environmental Health Sciences, October 2002.

*The Construction Industry's Newest Nightmare: How Mold, Mildew and Other Environmental Issues Can Destroy Your Bottom Line,* Safran Law Offices, June 2002

Webinars:

*Sewage Contamination-Microbiology, Health Risks and Remediation*, Dr. Harriet Burge, February 2020.

*The Effect of Fungi on Building Material*, Dr. Harriet Burge, February 2020.

*Mold Matters – The Effect of Fungi on Building Materials*, Dr. Harriet Burge, February 2020.

*Legionella and Legionellosis*, Dr. Michael Berg, January 2020.

*The Importance of Air Sampling Flow Rates*, Chris Weldon, December 2019.

*Overview of Asbestos and its Management*, Tracy Garcia, December 2019.

*The Role of Vaccines and Antimicrobials*, Professor Adam Cunningham, November 2019.

*Strategies for Mold Investigations and Sampling*, Dr. Harriet Burge, November 2019.

*Fungal Data Interpretation*, Dave Gallup, October 2019.

*Mold and Health Effects*, Dr. Harriet Burge, September 2019.

*Sewage Contamination*, Dr. Harriet Burge, August, 2019.

*Introduction to Bacteriology*, Dr. Harriet Burge, August 2019.

*Sewage Contamination*, Dr. Eugene Cole, April 2019.

Publications:

Journal of Occupational Environmental Hygiene, *Biological Origin in Schools and as a Potential Approach to the Measurement of Cleaning Effectiveness*, May 2013