

o  
o  
o

Email not displaying correctly? [View this email in your browser](#)



## Our Featured Initiatives

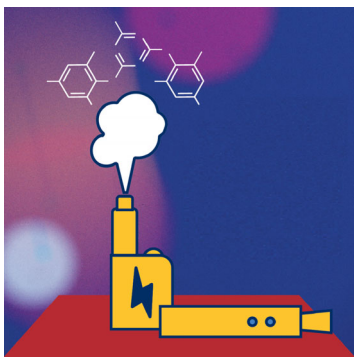
### Indoor Air Quality



#### 2-Butoxyethanol – A Common Air Pollutant

The common air pollutant, 2-butoxyethanol, is a glycol ether also known as ethylene glycol monobutyl ether (EGBE) and butyl cellosolve. It can be found in hard surface cleaners including glass cleaners, paint strippers, paints and coatings for wood furniture, and dyes and inks as a resin. Over half of all commercial furniture has been found to emit 2-butoxyethanol. Exposure to 2-butoxyethanol commonly occurs through inhalation and dermal transfer. It can cause irritation of the eyes, skin, and upper respiratory tract and lead to headaches, vomiting, and slowing down of the central nervous system (CNS depression). Read more in our newest technical brief, [“2-Butoxyethanol – A Common Air Pollutant.”](#)

## E-Cigarettes and Vaping



### Research Begins on Studying Periodontal Disease Associated with Electronic Nicotine Delivery Systems Use

Chemical Insights Research Institute (CIRI) kicked off its research project on the human health hazards of electronic nicotine delivery systems (ENDS) focused on vulnerable populations disproportionately affected by tobacco use. This research establishes risk factors and biomarkers of gingival inflammation, the precursor to periodontal disease, associated with ENDS usage. The findings will help dental professionals understand oral disease onset to allow for early screening and development of treatment options. This CIRI led research, in partnership with Purdue University and Georgia State University was awarded a prestigious National Institutes of Health grant. Read the [press release](#) and [technical brief](#) for more information.

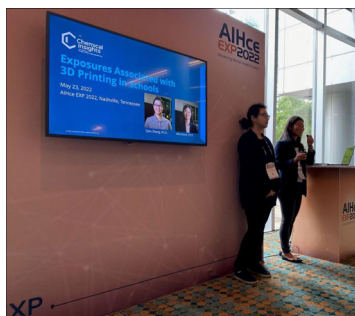
## Furniture Flammability



### CIRI Delivers Continuing Education on Furniture Flammability and Flame Retardants to Building Professionals

Over 150 building professionals tuned into CIRI's continuing education (CE) webinar, "[Specifying Residential Upholstered Furniture to Safeguard Human Health](#)," on Ron Blank's GreenCE Academy. Attendees explored research related to upholstered furniture fire barrier technology that protects people from chemical and fire hazards. They learned about the history of flame retardants and their impact on human health, current residential fire trends, strategies for evaluating ignition resistance of furniture, and the research results demonstrating the superior performance of a fire barrier. Thank you to all who attended! Stay tuned for more upcoming CIRI GreenCE webinars.

## 3D Printing



## CIRI Presents 3D Printing Research to Industrial Hygienists and Indoor Air Quality Experts

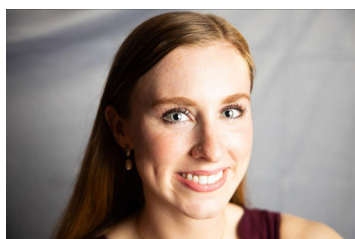
CIRI presented its recent research, “Exposures Associated With 3D Printing in Schools,” at the annual American Industrial Hygiene Conference and Expo (AIHce EXP). The audience heard about CIRI’s laboratory and field studies on unintended consequences of 3D printing on indoor air quality. Key takeaways included the top [10 strategies to promote healthy indoor air quality](#) in rooms with 3D printers, with a focus on ventilation, source control, and cleaning procedures. Thank you to everyone who attended the presentation. Visit CIRI’s [3D Printers and Human Health webpage](#) for more information on published research and actionable steps to protect human health.

## CIRI Happenings



### Welcome Jennifer Jeon

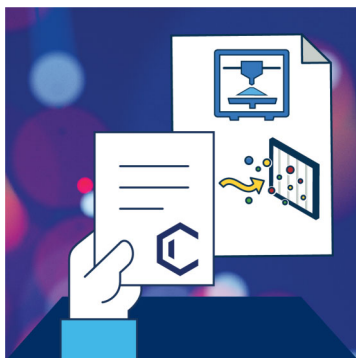
Jennifer Jeon joined CIRI as a research associate to use in-vitro methods to toxicologically evaluate the potential risks and effects of chemicals and particulates from consumer products and emerging technologies. Jennifer participated in CIRI’s research that analyzed metal nanoparticles from electronic nicotine delivery systems’ aerosols during her time as a graduate research assistant at Georgia State University (GSU). She holds a Bachelor of Science and Master’s degree in public health from GSU. Jennifer is excited to learn and help improve research techniques through various projects by collaborating with her CIRI team members. Welcome Jennifer!



### Welcome Tillman Fulcher

Tillman Fulcher joined CIRI as an administrative assistant to support Dr. Marilyn Black and the Institute with managing and distributing information among team members, record maintenance, and other support services. Tillman graduated from Kennesaw State University (KSU) with a Bachelor of Science in biology. She has experience supporting scientific organizations including the KSU Biochemistry Department where she conducted research using fragment-based drug discovery and protein purification of *pseudomonas aeruginosa*. She is most excited to be working for CIRI because it puts safety and human health at the forefront. Welcome Tillman!

## Recent Publications and Events



#### Publications:

1. Technical Brief, ["2-Butoxyethanol – A Common Air Pollutant"](#)
2. Press Release, ["Chemical Insights Research Institute Receives Prestigious Award from the National Institutes of Health"](#)
3. Technical Brief, ["A Strategic Research Initiative on African American Susceptibility to Periodontal Disease due to Electronic Nicotine Delivery Systems Usage"](#)

#### Visit us to hear about our research at conferences:

1. [2022 NFPA Conference and Expo](#), June 6-9, 2022, "Balance Between Human Health and Fire Safety in the Built Environment"
2. [NeoCon](#) (virtual), June 13-15, 2022, "Design it Healthy, Build it Healthy, Keep it Healthy: Strategies to Support Resilient, Healthy Interiors"
3. [CSHEMA Annual Conference](#), July 8-13, 2022, Presentation: "Investigating and Mitigating the Health Impacts of 3D Printer Emissions" and exhibitor booth
4. [AIA Conference on Architecture 2022](#) (virtual), July 28, 2022, "Resiliency, Urban Wildfires and Materials"



---

*Copyright © 2022 Underwriters Laboratories Inc., All rights reserved.*

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#).