**CURRICULUM VITAE**

**Jonghwa Oh, PhD, MPH, MS**

Department of Environmental Health Sciences

School of Public Health

University of Alabama at Birmingham

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**EDUCATION**

**University of Alabama at Birmingham** Birmingham, Alabama

PhD, Environmental Health Sciences with focus on Industrial Hygiene August 2016

**University of Alabama at Birmingham** Birmingham, Alabama

MPH, Environmental Health Sciences with focus on Industrial Hygiene August 2012

**Yonsei University Graduate School** Kangwon-do, South Korea

MS, Environmental Engineering with focus on Noise and Vibration August 2008

**Yong In University** Gyeonggi-do, South Korea

BS, Environment Health August 2004

**PROFESSIONAL APPOINTMENTS & EXPERIENCE**

2020 - Present  **Director of the Industrial Hygiene Academic Program,** Deep South Center for Occupational Health and Safety, Birmingham, AL

2020 - Present **MSPH Industrial Hygiene Program Director**, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2019 - 2020 **MPH Industrial Hygiene Program Director**, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2018 - 2019 **Deputy Director of the Industrial Hygiene Academic Program,** Deep South Center for Occupational Health and Safety, Birmingham, AL

2018 - Present **Assistant Professor (tenure earning),** Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2017 - 2018 **Faculty Instructor**, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2017 **Credentialed Course Instructor,** Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2016 - 2017 **Visiting Scientist,** Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2013 - 2016 **Teaching Assistant,** Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL

2012 **Intern,** McWane, Inc**.** Birmingham, AL

2007 **Teaching Assistant,** Department of Environmental Engineering, Yonsei University, Kangwon-do, South Korea

2006 - 2008 **Research Assistant,** Department of Environmental Engineering, Yonsei University. Kangwon-do, South Korea

**AWARDS AND HONORS**

2016 Best poster in session at American Industrial Hygiene Conference and Exposition (AIHce), Baltimore, MD

2015 Best student poster in session at American Industrial Hygiene Conference and Exposition (AIHce), Salt Lake City, UT

2015 Award from the Nanotechnology Committee at American Industrial Hygiene Conference and Exposition (AIHce), Salt Lake City, UT

2015 1st place in the poster competition at Deep South Center for Occupational Health and Safety Research Symposium, Opelika, AL

1. 3rd place in graduate student poster competition at NanoBio Summit, Tuscaloosa, AL

2013 Rick and Carol Fulwiler Scholarship, American Industrial Hygiene Foundation (AIHF), Montreal, Canada

2013 Charles and Caroline Ireland International Student Scholarship, UAB International Recruitment and Student Services, Birmingham, AL

2013 Alabama Chapter Scholarship, American Society of Safety Engineers (ASSE), Birmingham,

AL

2013 Vernon E. Rose Endowed Scholarship, UAB School of Public Health, Birmingham, AL

**CERTIFICATIONS**

2018 Respiratory Fit Test Workshop, Deep South Center for Occupational Health & Safety, Birmingham, AL

2016 Registered Specialist of Exposure Decision Analysis, American Industrial Hygiene Association (AIHA) Registry Program, Online

2016 Certification of completion for Initial Spirometry Workshop, Birmingham, AL

2014 Micromeritics® ASAP 2020 Physisorption Operator Training, Atlanta, GA

2012 Certification of participation to the Industrial Ventilation Conference, Birmingham, AL

2011 OSHA 10-hr Occupational Safety and Health Training Course, Online

2005 Certified Engineer in Noise & Vibration issued by the Korean Human Resources Development service

2005 Certified Engineer in Waste Treatment issued by the Korean Human Resources Development service

2004 Certified Engineer in Environmental Air Pollution issued by the Korean Human Resources Development service

2004 Certified Engineer in Environmental Water Pollution issued by the Korean Human Resources Development service

**PROFESSIONAL ACTIVITIES**

2020 Journal of Occupational Health, *Ad Hoc* Reviewer

2019 American Journal of Industrial Medicine, *Ad Hoc* Reviewer

2019 Education Session at American Industrial Hygiene Conference and Exposition (AIHce), Moderator

2019 UAB School of Public Health Research Poster Session, Judge

2018 McWane Co. Ergo-Cup Competition, Judge

2018 - Present Reports on Global Health Research, Editorial Board Member

2018 - Present American Industrial Hygiene Association (AIHA) Sampling and Laboratory Analysis Committee, Member

2012 - Present American Industrial Hygiene Association (AIHA), Member

2012 - 2017 American Society of Safety Engineers (ASSE), Member

**UNIVERSITY SERVICE**

2021 Search Committee for Open Rank Research Faculty Position, UAB Department of Environmental Health Sciences, Member

2021 Search Committee for Teaching Faculty Position, UAB Department of Environmental Health Sciences, Member

2021 Admission and Graduation Committee, UAB School of Public Health, Member

2021 Admission Committee (all degrees), UAB Department of Environmental Health Sciences, Member

2019 - 2020 Admission Committee (MPH/MSPH-IH and PhD), UAB Department of Environmental Health Sciences, Member

2018 - Present Curriculum Committee, UAB Department of Environmental Health Sciences, Member

2018 - 2019 Admission and Graduation Committee, UAB School of Public Health, Alternate Member

2018 - 2020 Search Committee for Chair Position, UAB Department of Environmental Health Sciences, Member

2018 - 2019 Search Committee for Open Rank Faculty Position, UAB Department of Environmental Health Sciences, Member

**TEACHING AND TRAINING**

**I have a broad teaching experience in environmental health science and environmental engineering. I am currently covering industrial hygiene core courses.**

**Courses taught as a Course Director**

* Doctoral Level Directed Research (ENH 798) 2019 - Present
* Master’s Directed Research (ENH 698) 2019 - Present
* Respiratory Fit Test Workshop, DSC 2019 - Present
* Industrial Hygiene Case Studies (ENH 625) 2018
* Current Topics in Environmental and Occupational Health and Safety (ENH 790) 2018
* Fundamentals of Industrial Hygiene (ENH 621) 2017
* Control of Occupational Hazards (ENH 624) 2017 - Present
* Physical Agents (ENH 626) 2017 - Present

**Courses and Workshops taught as a Co-Instructor / Guest Lecturer**

* Principles and Practices of Occupational Safety, Ergonomics, and Industrial Hygiene 2020

(NOH 625)

* Interdisciplinary Worksite Evaluation (ENH 681) 2019 - Present
* Interdisciplinary Field Studies (ENH 680) 2018 - Present
* Summer Institute of Environmental & Occupational Safety and Health, DSC 2018 - Present
* Respiratory Fit Test Workshop, DSC 2017 - 2018
* Environmental Sampling and Analysis Lab (ENH 661) 2016 - Present

**Courses taught as a Teaching Assistant**

* Environmental Sampling and Analysis Lab (ENH 661) 2013 - 2016
* Fundamentals of Industrial Hygiene (ENH 621) 2013
* Mathematics in Engineering 2007

**MENTORING**

**Doctoral Examination Committees**

2018 - Present Margaret C. Summers, UAB Department of Environmental Health Sciences, Committee Member

2018 - Present Jacob S. Shedd, UAB Department of Environmental Health Sciences, Committee Member

**List of Graduate Students**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student Name** | **Degree** | **Major** | **Advisor’s Role** | **Degree Date** |
| Jasna M. Williams | MSPH | EHS-UAB | Co-advisor |  |
| Savannah Jones | MPH | EHS-UAB | Co-advisor | December 2020 |
| Donglee Yang | MSPH | EHS-UAB | Academic/Research Advisor |  |
| Kelvin Duy Dam | MSPH | EHS-UAB | Academic/Research Advisor |  |
| Erin A. Lindsey | MPH | EHS-UAB | Academic/Research Advisor | April 2021 |
| Andrew K. Spivey | MPH | EHS-UAB | Academic/Research Advisor | April 2021 |
| Christopher Hughes | MPH | EHS-UAB | Academic/Research Advisor | April 2021 |
| Shanita L. Thomas | MPH | EHS-UAB | Academic/Research Advisor | May 2020 |
| Charles L. Boyd | MPH | EHS-UAB | Academic/Research Advisor | May 2020 |
| Steven B. Petz | MPH | EHS-UAB | Academic/Research Advisor | April 2019 |
| Brenna K. Hogan | MPH | EHS-UAB | Academic/Research Advisor | April 2019 |
| Phillips Holden | MPH | EHS-UAB | Academic/Research Advisor | April 2019 |
| Morgan Dean | MPH | EHS-UAB | Co-advisor | April 2019 |
| Reese Koehler | MPH | EHS-UAB | Co-advisor | April 2019 |
| Nathan Chen | PhD | EHS-UAB | Advisor |  |
| Jacob S. Shedd | PhD | EHS-UAB | Co-advisor |  |
| Margaret C. Summers | PhD | EHS-UAB | Co-advisor |  |

**Mentored Students Accomplishments**

**2021**

Nathan Chen George and Florence Clayton Scholarship, American Industrial Hygiene Foundation (AIHF)

Kelvin Duy Dam Liberty Mutual Scholarship, American Industrial Hygiene Foundation (AIHF)

Jasna AIHF Scholarship, American Industrial Hygiene Foundation (AIHF)

Kelvin Duy Dam American Society of Safety Professionals Scholarship, Alabama Chapter of American Society of Safety Professionals (ASSP)

**2020**

Andrew K. Spivey AIHF Scholarship, American Industrial Hygiene Foundation (AIHF)

Nathan Chen Los Alamos Industrial Hygiene Scholarship, American Industrial Hygiene Foundation (AIHF)

Erin A. Lindsey American Society of Safety Professionals Scholarship, Alabama Chapter of American Society of Safety Professionals (ASSP)

**2019**

Charles L. Boyd TSI/Arthur J. Abrams Scholarship, American Industrial Hygiene Foundation (AIHF), Minneapolis, MN

Brenna K. Hogan Award from the Sampling and Laboratory Analysis Committee, American Industrial Hygiene Conference and Exposition (AIHce), Minneapolis, MN

Shanita L. Thomas American Society of Safety Professionals Scholarship, Alabama Chapter of American Society of Safety Professionals (ASSP), Irondale, AL

Brenna K. Hogan Outstanding Master of Public Health Student, UAB SOPH

Reese Koehler Best Master’s Student Poster, Southeastern Regional Research Symposium, Tampa, FL

**2018**

Margaret C. Summers Award from the Respiratory Protection Committee, American Industrial Hygiene Conference and Exposition (AIHce), Philadelphia, PA

**2017**

Margaret C. Summers Award from the Respiratory Protection Committee, American Industrial Hygiene Conference and Exposition (AIHce), Seattle, WA

Jacob S. Shedd 3rd place Outstanding Student Presentation, SouthEastern Environmental Conference (SEEC), Orange Beach, AL

2nd place Student Poster, Deep South Center Research Symposium, Opelika, AL

**RESEARCH**

**My main research area would be defined as the improvement of current occupational exposure assessment and control methods. My research areas include evaluation of hand-arm vibration (HAV) exposure among grounds maintenance and forestry workers, development of a fit-matching app for safety eyewear using 3D technology, and assessment of air quality and ventilation performance in commercial kitchen environments. Our IH research group at UAB has also been working on an innovative pre-analysis technique for gases/vapors, photothermal desorption.**

**ACTIVE RESEARCH GRANTS**

7/1/20 - 6/30/21 CDC/NIOSH Pilot Project Research Training Grant T42OH008436 ($20,000)

Occupational Exposure Assessment of Food Truck Environments: Aldehydes, Respirable Particles, and Ventilation Performance

Role: Principal Investigator

**COMPLETED RESEARCH GRANTS**

7/1/19 - 6/30/20 CDC/NIOSH Pilot Project Research Training Grant 5T42OH008673-14 ($10,000)

Feasibility of the Current 3D Technology for the Selection of Better-fitting Safety

Eyewear

Role: Principal Investigator

6/28/17 - 6/30/18 CDC/NIOSH Pilot Project Research Training Grant 2T42OH008436 ($16,199)

Synthesis and Characterization of Carbonfibre Paper for Air Sampling

Role: Principal Investigator

9/1/13 - 8/31/15 CDC/NIOSH R21 OH1037-02 ($394,672)

A Novel Desorption Technique for Improved Sensitivity in Sampling for Gases and Vapors

Role: Investigator

**NOT FUNDED RESEARCH GRANTS**

10/16/20 Submitted CDC/NIOSH R03 ($100,000)

Development of a Fit Matching App for Eye Protection

Role: Principal Investigator

11/27/19 Submitted ASHRAE New Investigator Award

Role: Principal Investigator

7/16/19 Submitted CDC/NIOSH R21

A Fit Matching Tool for Protective Eyewear to Lower Traumatic Eye Injuries

Role: Principal Investigator

7/16/19 Submitted CDC/NIOSH R21

Investigation of Activated Carbon Fibers (ACFs) as Dual Filtration and Sorbent Media for Respiratory Protection

Role: Co-Investigator (14.5 %)

10/16/18 Submitted CDC/NIOSH R21

A Fit Matching Tool for Protective Eyewear to Lower Traumatic Eye Injuries

Role: Principal Investigator

10/16/18 Submitted CDC/NIOSH R21

Investigation of Activated Carbon Fibers (ACFs) as Dual Filtration and Sorbent Media for Respiratory Protection

Role: Co-Investigator (14.5 %)

**PUBLICATIONS**

**Peer reviewed publications and manuscripts in preparation**

* H. Aldeeb, **J. Oh**, C. T. Lungu. Radiation Dose Received during Routine Instrument Calibration. *In preparation.*
* **J. Oh**. Evaluation of Hand-arm Vibration (HAV) Levels among Grounds Maintenance Workers. *Submitted.*
* E. L. Floyd, **J. Oh**, K. Sapag, T. M. Oni, J. S. Shedd, C. T. Lungu. Photothermal Desorption of Toluene from Carbonaceous Substrates Using Light Flash. *Submitted.*
* R. Thaper, B. Fagen, **J. Oh**. Decontamination of Respirators Amid Shortages due to SARS-CoV-2. *In review.*
* R. Thaper, **J. Oh**, R. Sesek. Performance of Smart Device Noise Measurement Applications: A Literature Review. *PSJ Professional Safety. In print.*
* J. S. Shedd, A. J. Hauser, W. W. Keuhaster, S. Ranjit, E. L. Floyd, **J. Oh**, C. T. Lungu. 2021. Determining the Thermal Properties and Buckypapers used in Photothermal Desorption. *ACS Omega*. https://dx.doi.org/10.1021/acsomega.0c05613*.*
* N. Gupta, V. Kozlovskaya, M. Dolmat, B. Yancey, **J. Oh**, C. T. Lungu, E. Kharlampeiva. 2020. Photocatalytic Nanocomposite Microsponges of Polylactide-Titania for Chemical Remediation in Water. *ACS Appl. Polym. Mater.* 2(11): 5188-5197.
* H. Phillips, **J. Oh**. 2020. Evaluation of Aldehydes, Polycyclic Aromatic Hydrocarbons (PAHs), and PM2.5 Levels in Food Trucks : A Pilot Study. *Workplace Health & Safety.* 68(9): 443-451.
* J. S. Shedd, E. L. Floyd, **J. Oh**, C. T. Lungu. 2019. ATR-FTIR Determination of Surfactant Removal from Arc Discharge Buckypapers for Air Sampling. *Journal of Advances in Nanomaterials*. 4(2): 11-16.
* T. H. Heaton, L. K. Hurst, A. Amiri, C. T. Lungu, **J. Oh**. 2019. Laboratory Estimation of Occupational Exposures to VOCs during Nail Polish Application. *Workplace Health & Safety*. 67(6): 288-293.
* **J. Oh**, E. L. Floyd, M. Parit, V. A. Davis, C. T. Lungu. 2016. Heat treatment of buckypaper for use in volatile organic compounds sampling. *Journal of Nanomaterials*. doi:10.1155/2016/3248059.
* **J. Oh**, E. L. Floyd, T. C. Watson, C. T. Lungu. 2016. Fabrication and Adsorption Characterization of Single-walled Carbon Nanotube (SWNT) Bcukypaper (BP) for Use in Air Samplers. *Anal. Methods.* 8(21): 4197-4203.
* E. L. Floyd, K. Sapag, **J. Oh**, C. T. Lungu. 2014. Photothermal desorption of single-walled carbon nanotubes and coconut shell-activated carbons using a continuous light source for application in air sampling. *Annals of Occupational Hygiene*. 58(7): 877-888.
* V. Kozlovskaya, J. Chen. C. Tedjo, X. Liang, J. Campos-Gomez, **J. Oh**, M. Saeed, C. T. Lungu, E. Kharlampieva. 2014. PH-responsive hydrogel cubes for release of doxorubicin in cancer cells. *Journal of Materials Chemistry B*. 2(17): 2494-2507.
* C. Park, I. Park, **J. Oh**, S. Park. 2008. Application method of noise map software to domestic railway vehicles. *The Korean Society for Noise and Vibration Engineering*. 882-888.
* C. Park, I. Park, **J. Oh**, J. Lee, S. Park. 2007. A study on the railway noise prediction model using noise maps. *The Korean Society for Noise and Vibration Engineering*. 882-886.
* I. Park, **J. Oh**, S. Park. 2007. Assessment method of noise-exposed population based on noise map software. *The Korean Society for Noise and Vibration Engineering*. 1129-1133.

**PUBLISHED ABSTRACTS AND PROCEEDINGS**

**Podium presentations (\* presented)**

* **J. Oh**\*. Feasibility of the Current 3D Technology for the Selection of Better-fitting Safety Eyewear. *Southeast Regional Research Symposium*. Virtual. February, 2021
* **J. Oh**\*. IH Pilot Studies: Current Research in Food Truck Exposure and Customized PPE. Center for Occupational and Environmental Health (COEH) 2020 Education and Research Center Webinar IH Series, September, 2020.
* **J. Oh**\*, C.T. Lungu\*. Respiratory Protection and Practical Fit Testing Demonstration. *Alabama Governor’s Safety and Health Conference*. Orange Beach, AL. August, 2019.
* **J. Oh**\*. Synthesis and Characterization of Carbonfibre Paper for Air Sampling. *Southeast Regional Research Symposium*. Tampa, FL. April, 2019.
* **J. Oh**\*, C. T. Lungu, T. Heaton, L. K. Hurst, A. Amiri. Potential Exposures to VOCs during Nail Polish Application. *International Occupational Hygiene Association (IOHA) research conference*. Washington D.C. September, 2018.
* **J. Oh**\*, C.T. Lungu\*. Emerging Issues in IH Research. *Alabama Governor’s Safety and Health Conference.* Orange Beach, AL. August, 2018.
* **J. Oh**. Novel Methods for Occupational Exposure Assessment and Control. *Hazardous Material Management Conference*. Wonju-si, Korea. July, 2018.
* C. T. Lungu\*, **J. Oh**, E. L. Floyd. Photothermal Desorption of Buckypapers for VOC Sampling and Analysis. *International Conference on Environmental Health and Safety*. Valencia, Spain. October, 2016.
* **J. Oh**\*, C. T. Lungu, E. L. Floyd. Adsorption Characterization of Fabricated Buckypapers (BPs) for Volatile Organic Compound (VOC) Sampling and Analysis. *CIMTEC International Conferences on Modern Materials & Technologies*. Perugia, Italy. June, 2016.
* Invited presentation at York College / The City University of New York. New York, NY. June, 2016.
* Invited presentation at University of Alabama at Birmingham. Birmingham, AL. June, 2016.
* **J. Oh**\*, C. T. Lungu, E. L. Floyd. Adsorption efficiency comparison of fabricated buckypapers (BPs) for volatile organic compound (VOC) sampling and analysis. *American Industrial Hygiene Conference and Exposition (AIHce)*. Baltimore, MD. May, 2016.
* Invited presentation at Indiana University of Pennsylvania. Indiana, PA. March, 2016.
* Invited presentation at Oklahoma State University. Oklahoma, OK. February, 2016.
* **J. Oh**\*, C. T. Lungu, E. L. Floyd. Fabrication of single-walled carbon nanotube (SWNT) sorbent for volatile organic compounds (VOCs) sampling. *International Occupational Hygiene Association (IOHA) research conference*. London, U.K. April, 2015.
* C. T. Lungu\*, **J. Oh**, E. L. Floyd. Adsorption characterization of fabricated single-walled carbon nanotube (SWNT) buckypapers for volatile organic compound (VOC) sampling. *American Industrial Hygiene Conference and Exposition (AIHce)*. Salt Lake City, UT. June, 2015.
* E. L. Floyd\*, C. T. Lungu, **J. Oh**, M. Saina. Evaluation of self-supporting, single-walled carbon nanotube bucky paper sorbents for the application in diffusive sampling and photothermal desorption. *American Industrial Hygiene Conference and Exposition (AIHce)*. Salt Lake City, UT. June, 2015.
* **J. Oh**\*, E. L. Floyd, C. T. Lungu. Fabrication of single-walled carbon nanotube sorbent (SWNT) for volatile organic compounds (VOCs) sampling. *Tennessee Valley Section American Industrial Hygiene Association (TVS AIHA) Conference*. Knoxville, TN. October, 2014.
* C. T. Lungu\*, **J. Oh**, E. L. Floyd. Photo-thermal desorption of toluene from single walled carbon nanotube adsorbent pads in air samplers. *CIMTEC International Conferences on Modern Materials & Technologies*. Montecatini Terme, Italy. June, 2014.
* **J. Oh**\*, E. L. Floyd, C. T. Lungu. Comparison of desorption efficiency (DE) of vapor and liquid dosing methods on coconut shell charcoal (CSC) and single-walled carbon nanotube (SWCNT) sorbents. *Tennessee Valley Section American Industrial Hygiene Association (TVS AIHA) Conference*. Knoxville, TN. October, 2013.

**Poster presentations**

* N. Chen, C. Hushes, **J. Oh**. Evaluations of Hand-arm Vibration (HAV) Transmission and Finger Blood Flow Level during Power Tool Operations. *Southeast Regional Research Symposium (SERRS).* Virtual. February, 2021.
* C. Hughes, N. Chen, **J. Oh**. Transmission of Hand-Arm Vibration during Backpack Blower Operations. *Southeast Regional Research Symposium (SERRS).* Virtual. February, 2021.
* A. Spivey, D. McMahan, C. T. Lungu, **J. Oh**. Measurement of Noise Exposure Levels during Grass-Trimmer Operation. *Southeast Regional Research Symposium (SERRS).* Virtual. February, 2021.
* D. McMahan, A. Spivey, **J. Oh**, C. T. Lungu. Noise Exposure during Backpack Blower Operations: A Laboratory Pilot Study. *Southeast Regional Research Symposium (SERRS).* Virtual. February, 2021.
* J. S. Shedd, W. W. Keuhster, S. Ranjit, A. J. Hauser, E. L. Floyd, **J. Oh**, C. T. Lungu. Characterizing the Thermal Properties of Buckypapers used in Photothermal Desorption. *Southeast Regional Research Symposium (SERRS).* Virtual. February, 2021.
* N. Chen, C. L. Boyd, **J. Oh**. Evaluation of the Effect of Safety Gloves on Hand-arm Vibration (HAV) Levels. *American Industrial Hygiene Conference and Exposition (AIHce)*. Virtual. June, 2020.
* C. L. Boyd, N. Chen, **J. Oh**. Comparison of Hand-arm Vibration (HAV) Levels Between a Chainsaw, Weed Eater, and Backpack Blower. *American Industrial Hygiene Conference and Exposition (AIHce)*. Virtual. June, 2020.
* J. S. Shedd, E. L. Floyd, **J. Oh**, C. T. Lungu. Quality Assurance Investigations of Buckypaper Sorbents for Air Sampling. *American Industrial Hygiene Conference and Exposition (AIHce)*. Virtual*.* June, 2020.
* N. Chen, C. L. Boyd, **J. Oh**. Evaluation of the Effect of Safety Gloves on Hand-arm Vibration (HAV) Levels. *Southeast Regional Research Symposium (SERRS).* Birmingham, AL. February, 2020.
* C. L. Boyd, N. Chen, **J. Oh**. Comparison of Hand-arm Vibration Levels Between a Chainsaw, Weed Eater, and Backpack Blower. *Southeast Regional Research Symposium (SERRS).* Birmingham, AL. February, 2020.
* J. S. Shedd, E. L. Floyd, **J. Oh**, C. T. Lungu. Qualifying the Thermal Response of Buckypapers During Photothermal Desorption. *Southeast Regional Research Symposium (SERRS).* Birmingham, AL. February, 2020.
* B. K. Hogan, C. T. Lungu, **J. Oh**. Photothermal Desorption (PTD) of Activated Carbon Fibers (ACFs) for Application in VOC Sampling and Analysis. *American Industrial Hygiene Conference and Exposition (AIHce)*. Minneapolis, MN. May, 2019.
* J. S. Shedd, E. L. Floyd, **J. Oh**, C. T. Lungu. Quality Assurance Investigations of Buckypaper Sorbents for Air Sampling. *American Industrial Hygiene Conference and Exposition (AIHce)*. Minneapolis, MN. May, 2019.
* M. Summers, **J. Oh**, C. T. Lungu. Activated Carbon Fibers for Use in Respiratory Protection Devices: Assessing the Ability of a Predictive Model to Determine Adsorption Capacity. *American Industrial Hygiene Conference and Exposition (AIHce)*. Minneapolis, MN. May, 2019.
* S. Petz, C. T. Lungu, **J. Oh**. Photothermal Desorption of Carbon Fiber Paper for Volatile Organic Compounds (VOCs). *Southeast Regional Research Symposium*, Tampa, FL. April, 2019.
* R. Koehler, M. Summers, **J. Oh**, C. T. Lungu. Determining the Adsorption Capacity of Activated Carbon Fibers for Common Organic Vapors: Application for Respiratory Protection. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* M. Dean, **J. Oh**, C. T. Lungu. Electrospun Cellulose Acetate (CA) fibers for Volatile Organic Compound (VOC) Sampling and Analysis. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* H. Phillips, C. T. Lungu, **J. Oh**. Evaluation of PM2.5, Polycyclic Aromatic Hydrocarbons (PAHs), and Aldehydes Among Food Truck Workers. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* B. K. Hogan, C. T. Lungu, **J. Oh**. Photothermal Desorption (PTD) of Activated Carbon Fibers (ACFs) for Application in VOC Sampling and Analysis. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* M. Summers, S. Price, **J. Oh**, C. T. Lungu. Measuring the Effectiveness of a Cooling Garment in an Outdoor Occupational Settings: A Pilot Study. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* J. S. Shedd, E. L. Floyd, **J. Oh**, C. T. Lungu. FTIR Determination of Surfactant Removal from Buckypapers Fabricated for Air Sampling. *Southeast Regional Research Symposium.* Tampa, FL. April, 2019.
* M. Summers, R. Koehler, **J. Oh**, C. T. Lungu. Nuisance-Level Organic Vapor Adsorption: Evaluating the Performance of a Commercial Paint-Odor Respirator. *International Society for Respiratory Protection (ISRP)*. Denver, CO. September, 2018.
* J. Shedd, **J. Oh**, C. T. Lungu. Fabrication and Characterization of Chemical Vapor Deposition Buckypapers for Use in Air Sampling of Volatile Organic Compounds. *American Industrial Hygiene Conference and Exposition (AIHce)*. Philadelphia, PA. May, 2018.
* M. Summers, R. Koehler, **J. Oh**, C. T. Lungu. Characterization of Carbon-loaded Polypropylene Webs as Nuisance-level Organic Vapor Adsorbents. *American Industrial Hygiene Conference and Exposition (AIHce)*. Philadelphia, PA. May, 2018.
* J. Shedd, **J. Oh**, V. Davis, C. T. Lungu. Fabrication and Characterization of Chemical Vapor Deposition Buckypapers for Use in Airborne Volatile Organic Compound Sampling. *SouthEastern Environmental Conference (SEEC)*. Orange Beach, AL. October, 2017.
* M. Summers, S. Price, **J. Oh**, C. T. Lungu. A possible Tool for Mitigating Heat Stress: Measuring the Effectiveness of a Cooling Garment in the Outdoor Occupational Setting. *SouthEastern Environmental Conference (SEEC)*. Orange Beach, AL. October, 2017.
* G. D. Judd, **J. Oh**, C. T. Lungu. Custom Designed Safety Eyewear for Personalized Fit. *American Industrial Hygiene Conference and Exposition (AIHce)*. Seattle, WA. June, 2017.
* M. Summers, **J. Oh**, A. Nored, C. T. Lungu. Particulate Filtration Efficiencies of Phenolic Resin-Derived Activated Carbon Fiber Felt and Cloth. *American Industrial Hygiene Conference and Exposition (AIHce)*. Seattle, WA. June, 2017.
* J. Shedd, **J. Oh**, C. T. Lungu. Fabrication and Mechanical Properties Characterization of Buckypapers for Use in Volatile Organics Sampling. *Deep South Center for Occupational Health and Safety Research Symposium.* Opelika, AL. April, *2*017.
* G. D. Judd, P. S. Joe, **J. Oh**, C. T. Lungu. Improving safety eyewear fit for the US workforce. *American Industrial Hygiene Conference and Exposition (AIHce)*. Baltimore, MD. May, 2016.
* M. Summers, **J. Oh**, C. T. Lungu. Particulate Filtration Efficiency of Activated Carbon Fiber Cloth and Felt. *Emerging Issues Conference.* Opelika, AL. April, 2017.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Toluene adsorption efficiency of fabricated single-walled carbon nanotube (SWNT) buckypaper. *American Industrial Hygiene Conference and Exposition (AIHce)*. Salt Lake City, UT. June, 2015.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Fabrication of Single Walled Carbon Nanotube (SWNT) Sorbent for Volatile Organic Compounds (VOCs) Sampling. *Deep South Center for Occupational Health and Safety Research Symposium.* Opelika, AL, April, 2015.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Surface area and toluene adsorption capacity for fabricated single-walled carbon nanotube (SWNT) buckypaper. *NanoBio Summit*. Tuscaloosa, AL. October, 2014.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Fabrication of single-walled carbon nanotube (SWNT) sorbent for volatile organic compounds (VOCs) sampling. *American Industrial Hygiene Conference and Exposition (AIHce)*. San Antonio, TX. June, 2014.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Comparison of two high performance carbonaceous materials for air sampling. *Alabama Composites Conference (ACC)*. Birmingham, AL. June, 2013.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Comparison of desorption efficiency (DE) of vapor and liquid dosing methods on coconut shell charcoal (CSC) and single-walled carbon nanotube (SWCNT) sorbents. *American Industrial Hygiene Conference and Exposition (AIHce)*. Montreal, Canada. May, 2013.
* E. L. Floyd, S. Connell, **J. Oh**, C. T. Lungu. Fabrication of single walled carbon nanotube adsorbent pads and the photo-thermal desorption of toluene from these pads. *NanoBio Summit*. Montgomery, AL. October, 2013.
* **J. Oh**, E. L. Floyd, C. T. Lungu. Comparison of desorption efficiency (DE) of vapor and liquid dosing methods on granular activated carbon (GAC) and carbon nanotube (CNT) sorbent beds with varied toluene mass. *American Industrial Hygiene Conference and Exposition (AIHce)*. Indianapolis, IN. June, 2012.