

DATE: September 2022

NAME: Koshy Koshy

PRESENT TITLES:

1. Assistant Professor, School of Public Health, Environmental & Occupational Health & Justice
 - Concentration Leader for the Environmental & Occupational Health & Justice (EOHJ) Occupational Safety and Health Concentration (OSH)
 - Assistant Professor, Environmental & Occupational Health & Justice
 - Faculty Advisor for the EOHJ Environmental Health Science Certificate Program
 - Faculty Advisor for the EOHJ Occupational Safety and Health Certificate Program
2. Manager of Environmental and Occupational Safety and Health Programs at the Center for Public Health Workforce Development (CPWD)

E-MAIL ADDRESS: koshyko@rutgers.edu

CITIZENSHIP: United States of America

EDUCATION: (*chronological order*)

Undergraduate

Manhattan College

Riverdale, New York

BS (Chemistry)

May 1991

Graduate and Professional

New Jersey Institute of Technology

Newark, New Jersey

MS (Environmental Sciences)

January 1993

Rutgers University

New Brunswick, New Jersey

PhD (Environmental Sciences)

May 1997

ACADEMIC APPOINTMENTS:

Environmental and Occupational Health

Rutgers School of Public Health

Assistant Professor, July 1, 2017 to present

EOHJ Occupational Safety and Health Concentration

Rutgers School of Public Health

Concentration Leader, January 1, 2018 to present

EOHJ Certificate Program

Rutgers School of Public Health

Program Advisor, September 1, 2018 to present

Environmental and Occupational Health

Rutgers School of Public Health (formerly UMDNJ)

Instructor, July 2008 to June 2017

Environmental and Occupational Health Sciences

City University of New York (CUNY) School of Public Health

Adjunct Assistant Professor, January 2010 to 2015

Environmental and Occupational Health Sciences

City University of New York (CUNY) School of Public Health

Adjunct Instructor, January 2009 to May 2009

VISITING APPOINTMENT

*Rutgers Air Compliance Center, Environmental Sciences
Rutgers University*

Visiting Instructor, September 2006 to December 2007

EMPLOYMENT/WORK EXPERIENCE:

February 1995 to March 2001

Program Coordinator

Environmental and Occupational Health Sciences Institute (EOHSI)

Centers for Education and Training (CET)

January 1998 to March 2001

Project Manager

EOHSI- Safe Schools Program

Current Responsibilities:

September 2022 to Present

Advisor for the EOHJ- Essentials in Occupational Safety and Health Certificate Program.

January 2018 to Present

Concentration Leader for the MPH, Occupational Safety and Health Concentration. Manages a broad range of activities relating to recruiting, student advisement, and developing alliances related to increasing program recognition.

July 2017 to Present

Advisor for the EOHJ- Environmental Health Science Certificate Program. Responsible for all aspects of recruiting and student advisement.

March 2001 to Present

Manager, Environmental and Occupational Safety and Health Programs

Center for Public Health Workforce Development (CPHWD)

Rutgers School of Public Health

Providing leadership and strategic direction to the CPHWD environmental and occupational safety and health continuing education and outreach program requires identifying federal, state, and private funding opportunities, meeting grant obligations, supervising a diverse group of instructors and technical staff, and representing the university on a national and local level. The program is 100% self-sustained, operating through grant and program income.

Responsibilities include supervising full-time professional and technical staff members, three full-time staff instructors and 10 part-time staff instructors that support the program. Responsible for meeting the scope of work for three federal agencies that support CPHWD; (1) National Institute for Occupational Safety and Health (uninterrupted funding 1978 to present), (2) National Institute of Environmental Health and Safety (uninterrupted funding 1987 to present), and (3) a Cooperative Agreement from OSHA that generates over \$500,000 of revenue annually (2002 to present).

Principle Advisor for the CPHWD Construction, General Industry, and Technical Specialist Certificate Programs

Principle investigator for over \$2,500,000 of federal and state funds since July 2010.

Approximately 4,000 practitioners are trained annually through the CPHWD environmental and occupational safety and health CE Program. Programs are oriented to assisting safety and health professionals develop skill sets needed to comply with OSHA standards at their worksite, assist

occupational safety and health practitioners complete certifications, and provide environmental professionals the skills they need to manage hazardous waste and emergencies at their site.

Instructor for two graduate courses- see teaching responsibilities section

CERTIFICATION:

USEPA Accredited AHERA Inspector and Management Planner (June 1995 to June 2009)

USEPA Accredited Lead Inspector and Risk Assessor (June 1996 to June 2008)

OSHA Authorized Construction Outreach Trainer (April 2003 to present)

OSHA Authorized General Industry Outreach Trainer (April 2004 to present)

OSHA Authorized Disaster Site Outreach Trainer (March 2006 to present)

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

American Chemical Society Member

September 1989 to May 1997

Manhattan College Student Chapter President, September 1990 to May 1991

American Public Health Association Member

January 2000 to December 2010 and May 2016 to present

Northern New Jersey Federal Safety and Health Council Member

October 2005 to present

New Jersey Governor's Industrial Safety Council Member

June 2008 to present

Training Subcommittee Co-Chair, September 2009 to September 2012

American Society of Safety Professionals

July 2015 to present

OSHA Training Institute Education Center

Executive Committee Secretary

July 1, 2010 to June 30, 2012

OSHA Training Institute Education Center

Executive Committee Member

July 1, 2012 to June 30, 2016

OSHA Training Institute Education Center

Executive Committee Chair

July 1, 2015 to June 30, 2016

OSHA Training Institute Education Center Marketing Committee

Secretary and Member

October 1, 2016 to present

HONORS AND AWARDS:

Student Presentation Award

New Jersey Water Environment Association

May 1995

Distinguished Service Award

Post Hurricane Katrina Training

NIEHS Worker Education and Training Program

September 2006

*Excellence in Quality and Safety Management
Disaster Site Preparedness Training
New York City Transit
September 2007*

*Recognition for Safety Education Excellence
New Jersey Governor's Industrial Safety Council
December 2012*

*Leadership Award from the Penn-Jersey Chapter
of the American Society of Safety Engineers
March 2013*

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

1. Team Member for USEPA Education and Outreach Group (EOG) Review Panel, National Visible Emission Training, Research Triangle Park, North Carolina, December 1997
2. Team Member for USEPA Review Panel for Current Testing Methods for Fugitives Emissions, St. Louis, Missouri, November 1998
3. Site Visit Team Member for University of South Florida Education Research Center, NIOSH, Sept 2001
4. Site Visit Team Member for University of Minnesota Education Research Center, NIOSH, Nov 2001
5. Member of NIEHS Worker Education and Training Advisory Group, Updated Minimum Health and Safety Criteria: Guidelines for Hazardous Waste Operations and Emergency Response, April 2004 to May 2005
6. Reviewer to the Lake Michigan Air Directors Consortium for Stack Test Auditor Safety Curriculum, Flint, Michigan, March 2009
7. OSHA Training Institute Education Center, Public Sector Safety and Health Certificate Program Workgroup, Developed National Certificate Program for Public Sector Workers, May 2011 to November 2013

SERVICE TO INDUSTRY, PLANNING, AND ADVISORY COMMITTEES

1. Alan M. Voorhees Transportation Research Center, Transit Cooperative Research Program (TCRP) Research team member reviewing the current state of practice related to strategies for addressing and promoting frontline worker mental health, resilience, and overall well-being (September 2021 to August 2023).
2. Port Authority of New York and New Jersey, Advisor to the Occupational Safety and Health Training Division for Projects Related to Hazardous Materials Management (January 2002 to present)
3. New York City Transit, Advisor for Capitol Programs Management Safety Initiatives (February 2006 to present)
4. United State Army Fort Monmouth Military Installation, Lead the Workgroup to Revise RCRA Training for Site Hazardous Waste Workers (March 2007 to September 2010)
5. New York City Department of Health, Member of Task Force to Disseminate Lessons Learned from the Mid-Town Steam Pipe Explosion (July 2007 to December 2008)
6. New Jersey Department of Environmental Protection, Training Advisory Board, Lead Initiative to Increase Fall Safety Awareness for Stack Test Auditors (February 2008 to June 2009)
7. New York City School Construction Authority, Workgroup for Contractors Safety Related to Focus Four Hazards (July 2009 to present)
8. New York City School Construction Authority, Member of Workgroup to Monitor and Enhance Safety Training for Summer Student Worker Mentorship Program (May 2009 to present)
9. Putnam Northern Westchester Career and Technical Education Services, Advisor for Vocational Education Matters Related to Graphic Art Safety (June 2010 to June 2013)
10. OSHA Training Institute Education Center (OTIEC) Executive Committee Member (June 2010 to present)
11. New York City Department of Environmental Protection- Bureau of Waste Water Treatment, Advisor to the Bureau Safety Training Unit, Develop Tabletop Exercises to Enhance Field Inspection Training (April 2010 to present)
12. Non-Traditional Employment for Women (NEW), Identify Federal, State, and Foundation Grant Opportunities to Advance Environmental and Occupational Safety Education for Women in Construction, New York, New York (April 2011 to present)

13. University of Texas at Austin, Electricity Transmission and Distribution (ET&D) Safety Training Program Curriculum Review Team, January 2012
14. New Jersey Work Environment Council Technical Assistance Network Team Member, Advisor to the Council on Matters Related to Hazardous Waste Operations and Management, Construction Safety, Safety and Health Management, Worker Fall Protection, and Transporting Hazardous Materials (October 2012 to Present)
15. The Horticulture Society of New York, Curriculum Development Team Member for Worker Safety and Health Related to Green Jobs (June 2012 to June 2015)
16. Joint Base McGuire-Dix-Lakehurst, Subject Matter Expert to Review Team for Civilian and Military Personnel Accident Investigation and Job Hazard Analysis (June 2013 to June 2015)
17. New York City Office of Emergency Management, Improve Interagency Communication for Hazardous Materials Response Action (January 2014 to present)
18. New York City Department of Health, Member of Subcommittee to Develop Combustion Product Analysis Training Based on Data from East Harlem Building Collapse (April 2014 to February 2015)
19. United States Department of Labor, Occupational Safety and Health Administration, Amputation Awareness For Metal Fabricating Workers Workgroup (December 2015 to present)
20. City College of Technology Perkins Advisory Council, responsible for reviewing current program syllabus, encourage academic integration of classroom to practicum, review competency levels and college's progress towards achievement (July 1, 2016 to present)
21. City University of New York (CUNY) New York City College of Technology, advisor to the construction safety academy in developing bachelorette program in occupational safety and health (December 2016 to present)
22. New Jersey Safe Schools (SS)/Interagency Alliance for Youth Worker Safety and Health (April 2018 to present)

SERVICE TO THE UNIVERSITY, SCHOOL AND DEPARTMENT

1. Rutgers School of Public Health- Environmental and Occupational Health (EOHJ) Branding Committee. Develop Strategies to Increase EOHJ Enrollment (March 2016 to June 2019)
2. Rutgers School of Public Health- Academic Progression Committee. September 2018 to present

Other – Planning Committees for Statewide, Regional, or National Professional Education and Conferences

1. NIEHS Worker Education and Training Program Trainers Exchange Planning Committee, March 2003, Orlando, Florida
2. City University of New York (CUNY) New York City College of Technology, Member of the Construction Academy Advisory Board, September 2006 to present, Brooklyn, New York
3. NIEHS Worker Education and Training Program Trainers Exchange Planning Committee, April 2007, Las Vegas, Nevada
4. OTIEC Fall Directors Meeting, November 2010, Kansas City, Missouri
5. OTIEC Spring Directors Meeting, May 2011, Salt Lake City, Utah
6. OTIEC Fall Directors Meeting, November 2011, Tampa, Florida
7. OTIEC Spring Directors Meeting, May 2012, Fort Worth, Texas
8. OTIEC Fall Directors Meeting, November 2012, San Francisco, California
9. 34th Annual New York/New Jersey Education and Research Center Scientific Meeting, April 2013, New York, New York
10. OTIEC Spring Directors Meeting, May 2013, Baltimore, Maryland
11. OTIEC Fall Directors Meeting, November 2013, Schaumburg, Illinois
12. OTIEC Spring Directors Meeting, May 2014, Denver, Colorado
13. NIEHS Worker Education and Training Program Fall Meeting, October 2014, Research Triangle Park, North Carolina
14. OTIEC Fall Directors Meeting, May 2016, Charlotte, North Carolina
15. OTIEC Spring Directors Meeting, November 2016, Indianapolis, Indiana

SPONSORSHIP of MASTER's THESIS/PROJECTS:

Work Related Injuries at Major Metropolitan Hospitals; Eric Enkeev, September 2022 to present

Promoting Informal Worker Health and Have Better Health Outcomes; Spotlighting on Child Labor Issues in the Informal Economy; Kefei Li, August 1, 2021 to May 2022

Analysis of Dry Chemical Silica Exposure Among FAA ARFF Technicians; Jacob Cytroen, September 1, 2021 to May 2022

Protecting Workers from Infectious Diseases (COVID-19); Jenna Salluce, December 1, 2020 to May 2021

Subcontractor Injury Reporting to Help Primary Contractors; Carolina Moreira, September 2019 to December 2020

Public Sector Workers Perception of Safety: Large City Case Study; Dennis Canceillo, September 1, 2019 to December 2020

Hazard Analysis and Risk Management Plan for Temporary Workers; Erin Zagorski, April 2019 to May 2020; Research Advisor

Indoor Air Quality in a Representative Research Facility; Alexis Urman, April 2019 to December 2020; Research Advisor

Evaluating and Improving Hazard Communication in a Household Cleaner Manufacturing Plant; Julianne Ferraro, September 2018 to May 2019; Research Advisor.

Construction Fall Prevention; Erin Zagorski, January 2018 to May 2020; Research Advisor.

Hazard Analysis for the Freehold Township Public Workers; Alvin Yanza; June 2016 to January 2017; Fieldwork advisor.

Hazards Faced by Recycling Workers due to Wrong Perception and Behaviors of the General Public; Okuwobi (Toni) Oluwatonioba; January 2016 to January 2017; Fieldwork Co-Advisor

Outreach Campaign Strategies to Increase Worker Awareness of Amputation; December 2015 to January 2017; Joyce Nwoko; Field Work Advisor.

Effects of Behavior Based Training Approach on Illness and Injury Program on Construction Worker Safety and Health; June 2015 to present; Alexa Patti; Field Work Advisor.

Occupational Health and Safety Hazards Facing Journalists; January 2015 to September 2015; Olasumbo Awoniyi; Fieldwork Faculty Advisor.

Hunterdon County Fixed Facilities for Vaccine Point of Distribution (POD); December 2013 to May 2015; Susan Karpinski-Failla; Fieldwork Faculty Advisor.

SPONSORSHIP of DOCTOR OF MINISTRY/THESIS:

Educating Boys- School All Boys & Empower Them; September 2012 to May 2015; Everett Kilgo; New York Theological Seminary; Site Team Member.

JOURNAL EDITORIAL SERVICES

1. Sage Open (January 2015 to present)
2. Safety Science (January 2022 to present)
3. International Journal of Environmental Research and Public Health (March 2015 to present)
4. Labor Studies Journal (November 2018 to present)
5. Journal of Communication in Healthcare (October 2020 to present)
6. Journal of Public Health and Development (January 2021 to present)

TEACHING RESPONSIBILITIES:

1. Rutgers School of Public Health
ENOH 654: Occupational Safety and Workplace Risk Mitigation (Three Credits)

Developed this three-credit course focused on assessing and reducing workplace injuries and illnesses for the master's program. Topics include the role of the Occupational Safety and Health Administration (OSHA) in mitigating occupational injuries, several landmark decisions (the Commerce Clause, the OSH Act of 1970, the General Duty Clause, and the Hazard Communication Standard) that shape the current occupational and environmental safety and health (EHS) program, protecting workers in high hazard industries, global initiatives for worker protection, and interagency (United States Environmental Protection Agency (USEPA), United States Department of Transportation (USDOT), OSHA, and local authorities) cooperation for worker protection.

Offered Spring 2015, Spring 2016, Spring 2018 to 2022

2. ENOH 657: Managing Hazardous Energy (Three Credits)

The harnessing of energy from sources and materials containing energy is essential to activity in society, regardless of their level of development. Hazardous energy is the type and level of energy that is likely to cause rapid harm. Safety practitioners must be able to recognize errors that may occur and be able to recommend measures to eliminate or minimize the risk posed.

Offered: Fall 2021 and 2022

3. City University of New York (CUNY) School of Public Health (SPH)

EOHS 745: Hazardous Materials and Waste Management

This course is offered as part of an Interdisciplinary Program with Rutgers University through the NIOSH Education & Research Center (ERC).

This is a core course for the CUNY-SPH Environmental and Occupational Health Sciences Program. Served as course instructor for seven semesters (Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015 and Fall 2015).

4. Provides guest lecture for the following courses:

1. Indoor Air Quality (Fall 2014, Fall 2016, Summer 2018)
2. Environmental Health (Spring 2016 to 2022)

GRANT SUPPORT:

A. Principal Investigator

1. Funding awarded from the New York City Department of Health, Public Health Solutions.

Developed site specific training modules for the Incident Command System (ICS) for Assistant Safety Officer (ASO). Developed problem solving and decision making skills, and expanded interagency cooperation among City-Wide Offices. (Grant Period: July 1, 2008 to December 31, 2008- Total Funding: \$46,000).

2. Funding awarded from the United States Department of Labor-Occupational Safety and Health Administration, Under the Susan Harwood Grant. Systems of Safety for Focus Four Hazards. Developed bilingual training program for workers and employers regarding construction focus four hazards: falls, electric, struck-by and caught in between. The program targeted small construction employers, and temporary workers. (Grant Period: September 30, 2010 to December 31, 2011- Total Funding: \$220,000).

3. Funding awarded from the United States Department of Labor-Occupational Safety and Health Administration, Under the Susan Harwood Grant. Competent Person Fall Protection. Updated existing training materials and provide training on the use of competent persons in fall protection for workers in the construction industry in the New York metro area. (Grant Period: September 30, 2011 to December 31, 2012- Total Funding: \$168,000).

4. Funding awarded from the United State Department of Labor- Occupational Safety and Health Administration, Under the Susan Harwood Grant. Global Harmonization System. Developed training on chemical hazards and applying the Globally Harmonized System (GHS) of Classification and labeling of chemicals to industries throughout OSHA Region II. Topics included Safety Data Sheet format and content, the nature of chemical hazards, an introduction to hazard communication, GHS, and applying GHS

to industry. Training materials included workbooks and a video clip. (Grant Period: September 30, 2012 to December 31, 2013- Total Funding \$120,000).

5. Funding awarded from the New York City Department of Health-Public Health Solutions, developed function specific training modules for sanitarians who conduct inspections and facilitated tabletop exercises to enhance their hazard recognition skills. (Grant Period: June 1, 2013 to August 31, 2013- Total Funding \$15,150).

6. Funding awarded from the New York City Department of Health (NYCDOH)-Public Health Solutions, assessed the industrial hygiene sampling competency for field inspectors and provided hazard recognition specific training for NYCDOH field inspectors who provide *just in time* response. (Grant Period: August 1, 2013 to December 31, 2014- Total Funding \$20,000).

7. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Injury and Illness Prevention Program, created a training platform showing workers and managers how to recognize root origins of errors in the workplace and how to avoid them by identifying their precursors. (Grant Period: September 30, 2015 to December 31, 2014- Total Funding \$105,300).

8. Funding awarded from the New York City Department of Health-Public Health Solutions, developed case study based on the 2014 East Harlem explosion and trained NYCDOH inspectors on how to sample combustion products. (Grant Period: May 1, 2014 to August 31, 2014- Total Funding \$20,000).

9. Funding awarded from the New York City School Construction Authority, develop and deliver environmental and occupational safety training to meet regulatory and best practice for field inspectors. (Grant Period: July 1, 2014 to June 30, 2024- Total Funding \$700,000).

10. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Safety and Health Issues for Temporary Workers, program facilitated big picture perspective and understanding of what can go wrong when employers ignore the health and safety needs of the temporary workforce in high hazard industries such as warehousing, construction, retail and other trades that employ temporary workers. (Grant Period: September 30, 2014 to December 31, 2016- Total Funding \$265,000).

11. Funding awarded from the Long Island Rail Road to develop and deliver training to staff safety trainers who provide job hazard analysis and risk mitigation training to field inspectors (October 16, 2015 to November 6, 2015- Total Funding \$13,000).

12. Funding awarded from the New York Emergency Management Department to provide subject matter training on workplace health and safety and environmental response, mitigation and recovery (November 5, 2015 to January 11, 2016- Total Funding \$7,500).

13. Funding awarded from the New York City Bridges and Tunnels, responsible for providing an assessment of their overall safety and health management program for employees and contractors (June 22, 2016 to May 31, 2017- Total Funding \$132,000).

14. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Construction Confined Space Hazards. (Grant Period: September 30, 2016 to December 30, 2017- Total Funding \$140,000).

15. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Construction Fall Prevention (Grant Period: September 30, 2017 to December 30, 2018- Total Funding \$140,000).

16. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Silica Hazards in Construction (Grant Period: September 30, 2018 to December 29, 2019- Total Funding \$160,000).

17. Funding awarded from the New York City Department of Transportation to assess the New York City Department of Transportation fall protection and lockout/tagout programs at select New York City Department of Environmental Protection (NYCDEP) facilities and develop and deliver training to mitigate risks (Grant period: September 1, 2018 to June 30, 2020- Total Funding \$200,000)

18. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Cranes, Derricks, and Hoists in Construction (Grant Period: September 30, 2019 to December 29, 2020- Total Funding \$160,000).

19. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Safety Plans to Reduce COVID-19 Exposure (Grant Period: September 30, 2020 to December 29, 2021- Total Funding \$160,000).

20. American Recovery and Reinvestment Act (ARRA) United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, facilitating outreach and education to reduce the spread of infectious diseases (Grant Period: September 30, 2020 to March 31, 2023- Total Funding \$173,000).

21. United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Reduce Fall Hazards in Construction (Grant Period: September 30, 2021 to December 29, 2022- Total Funding \$160,000).

22. United States Department of Labor-Occupational Safety and Health Administration, Susan Harwood Grant, Electrical Hazards in Construction and General Industry (Grant Period: September 30, 2022 to September 30, 2023- Total Funding \$160,000).

B. Co-Principal Investigator

1. Funding provided by the United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Safety and Health Training for Third-Shift Workers. Developed bilingual (English/Spanish) training for third-shift workers. Program focused on symptoms of sleep disturbance and sleep loss conditions, related to occupational injuries. 9/30/2007 to 12/31/2008, \$189,901

2. Funding provided by the United States Department of Labor- Occupational Safety and Health Administration, Susan Harwood Grant, Systems of Safety and Health Management Training for Small and Mid-Size Businesses. Developed bilingual (English/Spanish) Systems of Safety Training Program materials that were used to provide safety and health management systems training in three different courses. Managed and facilitated training courses to managers, joint health and safety committees, and employees working in light manufacturing, warehouses, and distribution centers. (Grant Period: September 30, 2008 to March 31, 2011, Total Funding: \$212,500).

3. United States Department of Labor-Occupational Safety and Health Administration Training Institute Education Center (OTIEC), Cooperative Agreement, October 1, 2002 to September 30, 2022, program generates a large portion of the revenue needed to maintain the CPHWD (over \$500,000 annually).

C. Investigator

1. Funding provided by the National Institute for Occupational Safety and Health (through Mount Sinai School of Medicine), New York/New Jersey Education and Research Center. Manage the delivery of occupational safety, industrial hygiene, and hazardous materials training throughout New York and New Jersey. (Grant Period: July 1, 2016 to June 30, 2021, Annual Funding: \$1,813,746).

2. Funding provided by the National Institute of Environmental Health Sciences, through the New Jersey/New York Hazardous Materials Worker Training Center. Manage the delivery of over 100 hazardous materials courses throughout New Jersey and New York. (Grant Period: August 1, 2010 to July 31, 2020, Annual Funding: \$2,026,157).

3. Funding provided by the New Jersey Department of Education. Assisted in the development, delivery and follow-up evaluation of online Personal Protective Equipment (PPE) training for career clusters related to service industry (Grant Period: July 1, 2016 to June 30, 2017)

4. Funding provided by the New Jersey Department of Education. Assisting in the assessment of occupational safety and health training needs of career, technical, and vocational educators and administrators as well as increasing their knowledge of cyber safety and cyber security (Grant Period: January 1, 2018 to present)

D. Pending

PUBLICATIONS: *(Please list chronological order; published or accepted for publication only; should be segregated into the following categories)*

Refereed Original Article in Journal

1. Aggarwal, Juhi, Gonzalez, Lauren. N., Greenberg, Patricia, Kaplun, Elizabeth., Rajan, Sahili, **Koshy, Koshy**, and Shendell, Derek; (2021). *Built environment attributes and preparedness for potential gun violence at secondary schools*. Journal of Environmental Health, 84(4), 8-16, 2021
2. Shendell, Derrick; Agrawal, Juhi; Campbell, Maryanne; Gonzalez, Lauren; Kaplun, Elizabeth; **Koshy, Koshy**; Mackie, Thomas; *Fall 2020 COVID 19 Needs Assessment Among New Jersey Secondary School Education Professionals* International Journal of Environmental Research and Public Health, 18(8) 2021
3. **Koshy, Koshy**; Shendell, Derrick; Presutti, Michael; *Perspectives of Region II OSHA Authorized Safety and Health Trainers About Initial COVID-19 Response Programs*; Safety Science, 2021
4. **Koshy, Koshy** and Presutti, Michal, J. *Training trainers on construction confined spaces*, Professional Safety, 65(11): 33-38, 2020
5. Jones, Laura, Shah, Nimit; Graber, Judith; Fakeh, Maryanne; **Koshy, Koshy**; and Shendell, Derek; *Injury Surveillance Trends in Career-Cluster Technical Education*; Journal of Safety Research Vol 73; 153-159, 2020
6. Uhiara, Daniel; Shendell, Derek; Borjan, Marija; Garber, Judith; **Koshy, Koshy**; Lumia, Margaret; *Reporting injury, hospitalization, and injury fatality rates among new jersey adolescent workers*, Injury Epidemiology, 6(37): 1-9, 2019
7. **Koshy, Koshy**; Presutti, Michael, J; Rosen, Mitchel; Applying an error reduction model to an injury and illness prevention programs- steps to improve an occupational safety and health management system (OSHMS), Journal of Management Research, 11(4): 1-12, 2019
8. **Koshy, Koshy**; Milich, Lindsey; Patti, Alexa; Shendell, Derek, *Career Cluster Specific Online PPE Training for Secondary Students and Supervising Teachers*, Professional Safety, 63(1): 33-38, 2018
9. **Koshy, Koshy**; Presutti, Michael; Rosen, Mitchel; *Implementing the Hazard Communication Standard Final Rule: Lessons Learned*; Journal of Chemical Health and Safety, 22(2): 23-31, 2015
10. **Koshy, Koshy**; Rosen, Mitchel; Presutti, Michael; Patel, Mehul; *The Effects of 10-hr Construction Outreach Training*; Journal of Safety Studies, 1(1): 15-29, 2015
11. Rosen, Mitchel; **Koshy, Koshy**; Patel, Mehul; *Safety and Health Certificate Programs: Practical Application Beyond Training*; Journal of Safety Health and Environment, 10(2):162-168, 2014
12. Wojtenko, Izabela; **Koshy, Koshy**; Uchrin, Christopher; *Long Term Sorption of Benzene and Toluene Onto Contaminated Soils*; Bulletin of Environmental Contamination and Toxicology, 57: 292-299, 1996

Journal Articles (accepted)

Journal Articles (in review)

1. Uram, Alexis; **Koshy, Koshy**; Shendell, Derek; A Case Study on Indoor Environmental Quality in Open-Plan Versus Traditional Office Settings (Submitted)
2. Aggarwal, Juhi; Fakeh Campbell, Maryanne; Gonzalez, Lauren; **Koshy, Koshy**; Shendell, Derek; Lessons Learned from Online Training on U.S. Federal Wage/Hour, Child Labor Laws and Hazardous Occupational Orders for Secondary School Professionals (Submitted)
3. Rosen, Mitchel; **Koshy, Koshy**; Patel, Mehul; *The Importance of Refresher Training in Construction Related Health and Safety Training* (Submitted)

Books, Monographs and Chapters

1. Uchrin, Christopher; **Koshy, Koshy**; Wojtenko, Izabela; Chapter 33; *Sorption of Benzene, Toluene, and Meta-Xylene to Contaminated Site Soils*; In: *Chemistry for the Protection of the Environment 2*; L. Pawlowski, W.J. Lacy, C.G. Uchrin, and M.R. Dudzinska (Editors); pages 303-309; Plenum Press; New York, New York; 1996

Reports

1. Rutgers Air Compliance Center Quarterly Progress Reports to the USEPA, October 1995 to December 2000
2. OSHA Training Institute Education Center (OTIEC) Monthly Progress Report, October 2002 to present
3. New York City Department of Health Safety Officer Training Program Evaluation, Presented in the Homeland Safety Exercise and Evaluation Program (HSEEP) Format, Funded by the Centers for Disease Control, June 2008
4. Excellence Review for the Effective Implementation of the MTA Bridges and Tunnels Department of Engineering and Construction (MTABTEC) Construction Safety Management, Report to the NYC Metro Transit Authority, July 2017
5. United States Department of Labor, Occupational Safety and Health Administration, Susan Harwood Grant Close-Out Report, December 2008, March 2010, December 2012, December 2013, December 2014, December 2015, December 2016, December 2017, and December 2018.

Other – Training Course Manual Development

1. Inspection Procedures and Safety, 1997
2. New Jersey Safe Schools Jobs Hazard Analysis (JHA) Checklist Update, January 1998 to March 2001
3. Asbestos Inspector Refresher, 2001
4. Hazardous Materials 8-hour Annual Refresher, 2002, updated annually
5. Bloodborne Pathogens Awareness Training for Medical Device Sales Representatives, 2006
6. Incident Command System (ICS) Focused Safety Officer Training, 2009
7. Systems of Safety for Construction Focus Four Hazards, 2011
8. Competent Person Fall Protection Training, 2012
9. Nature of Chemical Hazards Applied to Global Harmonization System, 2013
10. Applying an Error Reduction Platform to Injury and Illness Programs, 2014
11. Overcoming Hazards Unique to Temporary Workers, 2015
12. Fall Awareness for Stack Test Auditors, 2015
13. Inspection Procedures and Safety for Field Inspectors, 2015
14. Assessing, Controlling, and Managing Dynamic Hazards Associated with Confined Spaces in Construction, 2017
15. Expectations and Accountability for Managing Fall Hazards in Multiple Employer Construction Sites, 2018
16. Managing Silica Hazards in the Construction Industry, 2019
17. Applying Occupational Risk Control Mechanisms to Protect Workers from COVID-19, 2020
18. Choosing Fall Control Options, 2021

PRESENTATIONS: (*chronological order*)

A. Scientific (*Basic Science*):

1. Sorption Mechanics of BTX to Saturated Soil Systems, 40th Annual Meeting, New Jersey Academy of Science, April 1995, West Orange, New Jersey.
2. Sorption of BTX Mixtures to Contaminated and Uncontaminated Site Soils, Second Society of Environmental Toxicology and Chemistry (SETAC) Meeting and World Congress, November 1995, Vancouver, British Columbia.
3. Estimated Desorption Kinetic Rates from Sequential Batch Experiments, 17th Annual SETAC Meeting, November 1996, Washington, District of Columbia.
4. Applying Systems of Safety to Competent Person Programs at Construction Sites, 2nd OSHA Trainers Exchange, March 2013, Washington, District of Columbia.
5. Hazard Communication- Global Harmonization System, Presented at the New Jersey Department of Health, Leads Meeting, April 2014, Trenton, New Jersey.

6. Behavior Based Injury and Illness Prevention Programs, May 2014, Piscataway, New Jersey.
7. Challenges and Successes in Evaluating a Targeted-Topics Training Program, 3rd OSHA Trainers Exchange, February 2015, Washington, District of Columbia
8. Implementing the Hazard Communication Standard Final Rule- Lessons Learned, 54th Annual American Society of Safety Engineers Annual Conference, June 2015, Dallas, Texas.
9. The “topics matrix” for 10-hr Construction Outreach Training: Is it Effective? Metro Transit Authority - New York City Transit Construction Safety Trainers’ Exchange, October 21, 2015, New York, New York.
10. Importance of Refresher Training in Construction Related Health and Safety Training; APHA 2016, October 31, 2016, Denver, Colorado.
11. Developing a Career Cluster Specific Personal Protective Equipment Training Online for Teachers and Students based on Incident (Injury) surveillance in New Jersey secondary schools; APHA 2016, November 1, 2016, Denver, Colorado.
12. “It’s time we talked” Engineering & Construction Safety Initiatives; Metro Transit Authority-Bridges & Tunnels Annual Update; December 6, 2016, New York, New York.
13. Safety and Health Considerations for Workers in High Hazard Industry- Major Construction; February 28, 2017, EOHSI Grand Rounds, Piscataway, New Jersey.
14. Safety and Health Education Challenges and Opportunities, Region II Voluntary Protection Program Participant’s Association Annual Meeting, June 28, 2017, Atlantic City, New Jersey
15. Reporting on the Excellence Review for the Effective Implementation of the MTA Bridges and Tunnels Department of Engineering and Construction (MTABTE&C) Construction Safety Program; July 24, 2017, MTABTE&C Operations, New York, New York.
16. Assessing Safety and Health Conditions for Workers in the Construction Industry; January 9, 2018, EOHSI Grand Rounds, Piscataway, New Jersey.
17. Benefits and Challenges of Conducting Perception Surveys at Large U.S. State Transportation Agency Construction Projects- Lessons Learned, June 13, 2018, VPPP Inc. Global Seminar, Webcast.
18. Safety Training for Young Workers in the Construction Industry; June 15, 2018, Westchester BOCES, Yorktown Heights, New York
19. Creating Learning Opportunities for the Next Generation of Practitioners for the Next Generation of Practitioners: Case Study in Gathering Data to Enhance Annual HAZWOPER Refresher Training; November 12, 2018, American Public Health Association Annual Conference, San Diego, California
20. Managing Respirable Crystalline Silica Hazards on Construction Projects; April 2, 2019, NYCT-Capital Program Management (CPM), New York, New York
21. Contractor Best Practices for Managing Crystalline Silica Hazards; April 25, 2019, American Society of Safety Professionals New Jersey Chapter, Morristown, New Jersey
22. Hazards of Confined Spaces; August 15, 2019, Safety & Sound Celebration, Somerset, New Jersey
23. Employer and Multiple Employer Responsibilities for Managing Silica Hazards; October 19, 2019, New Jersey Society of Asphalt Technologists, Edison, New Jersey
24. Health & Safety in the Construction Industry; November 4, 2019, American Public Health Association Annual Conference, Philadelphia, Pennsylvania
25. Implementing the Construction Confined Space Standard in Region II (New York and New Jersey): Lessons Learned from Developing, Assessing, and Conducting Training; November 3, 2019, American Public Health Association Annual Conference, Philadelphia, Pennsylvania
26. Fall Prevention Training: Successes and Challenges in Developing Training to Urban Public School Mechanical Workers, November 3, 2019, American Public Health Association Annual Conference, Philadelphia, Pennsylvania
27. Challenges of Fall Protection Compliance, January 20, 2020, New York City Building Contractors Association, New York, New York
28. Remote/Alternative Training Approaches for Synchronous Training, August 4, 2020, US Department of Labor, Occupational Safety and Health Administration, Virtual Presentation
29. Factors Potentially Influencing Pre and Post Training Silica Knowledge Among Safety and Health Professionals, October 27, 2020, American Public Health Association Annual Conference, Virtual
30. Indoor Environmental Quality in Open-Plan vs. Traditional Office Settings, November 4, 2020 Indoor Air 2020, Seoul, Korea, Virtual

31. Analyzing Teacher and Administrator Perceptions of Existing and Potential Emergency Preparedness Initiatives and Gun Control Measures in NJ Secondary Schools. American Public Health Association (APPA), Denver, Colorado, October 25, 2021
 32. Indoor Chemical Exposure in Secondary Schools post-COVID-19 Pandemic: A Cohort Study of New Work-Based Learning Teachers in New Jersey, USA American School Health Association (ASHA) 2022, Albuquerque, New Mexico, July 22, 2022
- B. Professional
1. Asbestos Hazard Awareness, Edison Board of Education, February 1998, Edison, New Jersey.
 2. Writing a Safety and Health Plan for Machine Shops, Bergen County Vocational and Technical School, March 2000, Teaneck, New Jersey.
 3. Job Hazard Analysis (JHA) for Vocational Education, Gloucester Vocational and Technical School, April 2000, Glassboro, New Jersey.
 4. Asbestos Hazard Awareness, Troy-Hills Board of Education, May 2001, Parsippany, New Jersey.
 5. Asbestos Inspector Training, Universidad Metropolitana, August 2002, San Juan, Puerto Rico.
 6. Hazardous Materials 8-hour Annual Refresher, Illinois Environmental Protection Agency, May 2005, Des Plaines, Illinois.
 7. Hazardous Materials 8-hour Annual Refresher, Indiana Department of Natural Resources, March 2006, Indianapolis, Indiana.
 8. Hazardous Materials Training, 8-hour Annual Refresher, Illinois Environmental Protection Agency, April 2006, Springfield, Illinois.
 9. Hazardous Materials 8-hour Annual Refresher, Indiana Department of Natural Resources, April 2008, Indianapolis, Indiana.
 10. Building Safety Office Competency at the Local Public Health Department Level, Presented at the Public Health Preparedness Symposium, February 2009, San Diego, California.
 11. Basic Field Safety for Air Inspectors, Illinois Environmental Protection Agency, May 2009, Des Plaines, Illinois.
 12. Establishing an OSHA Training Institute Education Center: Lessons Learned. Presented at the Bi-Annual Directors Meeting, November 2009. San Diego, California.
 13. Respirable Dusts in Construction: Making Workers Aware of the Dangers, New York City Building Contractors Association, March 2011, Brooklyn, New York.
 14. OTI Education Centers Initiatives for the Next Five Years- Opportunities Created from the Rutgers Integration, Presented at the Region II USDOL-OSHA Managers Meeting, September 2012, Arlington, New Jersey.
 15. Safety and Health Training- Motivating Workers for Better Performance, Universidad Metropolitana, June 2013, San Juan, Puerto Rico.
 16. Current Trends in Safety Training, Presented at the American Society of Safety Engineers Quarterly Meeting, February 2013, Hightstown, New Jersey.
 17. Global Harmonization System- The Nature of Chemical Hazards, Structuritone Inc, December 2013, New York, New York.
 18. Safety and Health Training Initiatives in the Northeast- Industry Direction, Presented at the Keene College OSHA Education Center 20th Anniversary Symposium, August 2014, Keene, New Hampshire.
 19. Best Practice: Providing Hard-to-Reach Workers Awareness Training, Presented at the USDOL-OSHA-Directorate of Training and Education Executive Committee Meeting, January 2015, Raleigh, North Carolina.
 20. Hazardous Waste Operations Train-the-Trainer, January 2015, Presented at the Universidad Metropolitana, Bayamón, Puerto Rico.
 21. Keeping Young Workers Safe, June 2015, Presented at the New York City School Construction Authority Summer Internship Program, Long Island City, New York.
 22. Identifying “new” Training Opportunities for Education Centers, August 2015, Chicago, Illinois.
 23. Temporary Worker Training Dilemma for Public Agencies, October 2015, Presented at the Long Island Rail Road Safety Committee Meeting, Bethpage, New York.
 24. Strategic Mission of the OTI Education Centers, May 2016, Presented at the USDOL-OSHA-Spring Directors Meeting, Charlotte, North Carolina.
 25. Managing Adjunct Instructors, November 17, 2016, Presented at the USDOL-OSHA Fall Directors Meeting, Indianapolis, Indiana.

26. Developing an Undergraduate Occupational Safety Degree Program, January 6, 2017, Presented at the City College of New York, Brooklyn, New York.
27. Construction Site Safety, March 8 to 9, 2017, Presented at the Institute for Career Development (ICD), New York, New York.
28. Safety and Health Education: What the Atlantic OSHA Training Center and Rutgers University Have to Offer, September 12, 2017, Presented at the Regional Association Meeting, September 12, 2017, Sayreville, New Jersey.
29. Meeting the Construction Safety Training Needs of Local Entities- Case Study: New York City, March 28, 2018, Presented at the New York City Transit Coney Island. Brooklyn, New York.
30. Promoting Construction Safety at Small Construction Firms, April 26, 2018, Presented at the Excellence in Construction Gala. Cincinnati, Ohio.
31. The OSHA Training Institute (OTI) Education Centers Program- Making an Impact on Worker Safety and Health for 25 Years, June 26, 2018, Presented at the Regional Association, Region II Voluntary Protection Program Participant's Association Annual Meeting, Atlantic City, New Jersey.
32. Impact of National Safety and Health Safety Campaigns, July 11, 2018, Presented at the New Jersey Field Federal Safety & Health Council Meeting, Sayreville, New Jersey
33. Developing Interactive Training Programs with Videoconference, June 6, 2019, Presented at the Center for Public Health Training, Zoom Training.
34. Training, Education & Outreach, July 22, 2021, Presented at the New Jersey Public Employees Occupational Safety and Health Administration (PEOSHA) Advisory Board Meeting. MS Teams