

ANISHA SINGH

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EDUCATION

University of Tennessee , Knoxville TN <i>Doctor of Philosophy, Public Health Sciences</i> Concentration: Environmental Epidemiology	Aug 2022
University of Tennessee , Knoxville TN <i>Department of Business Analytics and Statics</i> <i>Master of Science, Statistics</i>	Aug 2022
Tata Institute of Social Sciences , Mumbai India <i>Master of Public Health</i> Concentration: Social Epidemiology	May 2013
Dr. RML Avadh University , Lucknow, UP India <i>Bachelor of Dental Surgery</i>	Feb 2010

RESEARCH EXPERIENCE

National Institute of Environmental Health Sciences, National Institutes of Health , Division of Translational Toxicology & Division of Extramural Research and Training, Research Triangle Park NC <i>Postdoctoral Visiting Fellow, Integrative Health Assessments Branch & Gene, Environment and Health Branch</i>	Feb 2023 - present
Mailman School of Public Health, Columbia University , New York NY <i>Postdoctoral Research Scientist</i>	Nov 2022-Jan 2023
Department of Public Health, University of Tennessee , Knoxville TN <i>Dissertation Research</i>	2019 – 2022
Department of Public Health, University of Tennessee , Knoxville TN <i>Statistics Coordinator</i>	Aug 2021 – Jul 2022
Department of Public Health, University of Tennessee , Knoxville TN <i>Research Assistant</i>	Aug 2017 – Aug 2020
School of Health System Studies, Tata Institute of Social Sciences , Mumbai India <i>MPH Dissertation Research</i>	2011 - 2013

RESEARCH GRANTS

University of Tennessee, Scholarly Activity & Research Incentive Funds Award Role: Student Principal Investigator Project title: <i>Understanding the Interrelationships between Chemical Contaminants, Harmful Algal Blooms, and Temperature and Their Effects on Respiratory Illnesses among Coastal Residents</i>	May – Jul 2021
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HONORS AND AWARDS

College of Education, Health, and Human Sciences, University of Tennessee	2021 – 2022
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<i>Julius D McElroy Scholarship</i>	2017 – 2020
Graduate School, University of Tennessee	
<i>Tennessee Fellowship for Graduate Excellence</i>	
American Meteorological Society	Jan 2020
<i>Mathew J. Parker Travel Grant</i>	
American Public Health Association	Nov 2019
<i>APHA Annual Meeting Student Scholarship</i>	

TEACHING AND MENTORING EXPERIENCE

Department of Public Health, University of Tennessee, Knoxville TN	Jan – May 2018
<i>Co-instructor</i>	
Department of Public Health, University of Tennessee, Knoxville TN	Aug 2018 – May
<i>Teaching Assistant</i>	2022

INVITED TALKS/LECTURES

Division of Translational Toxicology, NIEHS, RTP	
<i>Invited talk</i>	
❖ Division of Translational Toxicology Science Forum: Becoming aWARE: The development of a Web-based tool for Autism Research and the Environment	Sep 2023
Department of Public Health, University of Tennessee, Knoxville TN	
<i>Guest Lectures</i>	
❖ PUBH 680: Systematic Review & Meta-analysis class on quality assessment of selected studies	Oct 2020
❖ PUBH 201: Infectious disease epidemiology	Oct 2018
❖ PUBH 201: Infectious disease epidemiology	Oct 2018

PUBLICATIONS

Peer-reviewed

1. Taylor KW., Howdeshell K., **Singh A.**, Walker V., Wang A., Boyles A., Beverly BEJ., Rooney AA. (2024). Comment on “Evidence Synthesis of Observational Studies in Environmental Health: Lessons Learned from a Systematic Review on Traffic-Related Air Pollution.” *Environmental Health Perspectives* 2024, 132, 088001, doi:10.1289/EHP15644.
2. **Singh A.**, Lawler, C.P., Walker, V.R., Pelch, K.E., Garton, A.E., Rooney, A.A., Haugen, A.C (2023). Becoming aWARE: The development of a web-based tool for Autism Research and Environment. *Journal of Xenobiotics* 2023. doi:10.3390/jox13030031
3. **Singh A.**, and Leppanen C. (2021). Known target and nontarget effects of the novel neonicotinoid cycloxaprid to arthropods: A systematic review. *Integrated Environmental Assessment and Management*. 2020 Jun 27. doi: 10.1002/ieam.4305

NIEHS Reports

1. Draft Report of the National Institute of Environmental Health Sciences, Division of Translational Toxicology. Lunn RM, Clemons M., Blain R., Mahabir S., Mehta SS., Rooney AA., **Singh A.**, Smith-Roe S., Taylor K., Tracy W., Zarco M., Fenton SE (2023). Draft Rapid Scoping Review of East Palestine, Ohio Chemicals of interest.

Under-review

1. Lunn RM, Clemons M., Blain R., Mahabir S., Mehta SS., Rooney AA., **Singh A.**, Smith-Roe S., Taylor K., Tracy W., Zarco M., Fenton SE (2023). Identifying health hazard information for chemical emergencies: A scoping review of the East Palestine train derailment
2. **Singh A.**, Poudel PG, and Kintziger KW. (2024). The effect of land use, land cover, and climate change on the incidence and outbreak of Japanese Encephalitis disease among Asian population: A systematic review
3. **Singh A.**, Rochester J., Blain R., Walker VR., Pelch KE, Hannani A., Frye J., Lawler CP., Haugen AC., Garton AE., Rooney AA. (2024). Systematic Evidence Mapping of Environmental Research Related to Autism Spectrum Disorders: A Systematic Evidence Map Protocol for the aWARE Project.

In preparation

1. Poudel PG, **Singh A.**, and Kintziger KW. (2022). Maternal exposure to adverse childhood experiences and low birth weight and preterm birth in children: A systematic review
2. **Singh A.**, Kintziger KW., Odoi. A., Odoi E., and Jiangang C. (2022). Understanding the interrelationships between chemical contaminants, harmful algal blooms, and temperature: a scoping review

Non-peer reviewed

1. **Singh A.**, Singh M., and Livesely N. (2014). Improving assessment and monitoring of women in Labour at District Women's Hospital, Pauri Uttarakhand, India. *USAID ASSIST URC India*: https://pdf.usaid.gov/pdf_docs/PA00KXP3.pdf
2. **Singh A.**, and Das S. (2013). Prevention and intervention of mental health problems in primary care-no health without mental health. *Lambert Academic Publishing* (ISBN- 978-3-659-42336-9)

Other media

1. **Singh A.** (2019). Three tips to succeed in a summer internship. *The ETR Blog*. URL: <https://www.etr.org/blog/three-tips-to-succeed-in-a-summer-internship/?fbclid=IwAR197yH8Lxj3-0x2RwBInKWRNXRrXQdmkH9TI1Q9hLirqD-33Uug2qJvdUs>

PRESENTATIONS

1. **Singh A.**, Lawler, C.P., Haugen, Garton, A.E., A.C , Walker, V.R., Rochester J., Blain R., Pelch, K.E., Hannani A., Frye J., Tracy W., and Rooney, A.A. Being aWARE: Engaging the community in development of a web-based tool for Autism research. A poster presentation at the NIH Research Festival, Sep 23-25, 2024, Bethesda, Maryland, USA.
2. **Singh A.**, Lawler, C.P., Haugen, Garton, A.E., A.C , Walker, V.R., Rochester J., Blain R., Pelch, K.E., Hannani A., Frye J., Tracy W., and Rooney, A.A. aWARE Tool demonstration. An oral presentation at the aWARE workshop hosted by NIEHS, Sep 5-6, 2024, Durham, North Carolina, USA.
3. **Singh A.**, Poudel PG, and Kintziger KW. The effect of land use, land cover, and climate change on the incidence and outbreak of Japanese Encephalitis disease among Asian population: A systematic review (2024). An oral presentation at the International Society of Environmental Epidemiology, Aug 25-28, 2024, Santiago, Chile, USA.

4. **Singh A.**, Lawler, C.P., Walker, V.R., Pelch, K.E., Garton, A.E., Rooney, A.A., Haugen, A.C. Becoming aWARE: The development of a web-based tool for Autism Research and Environment. An oral presentation at the NIEHS Science Day, Jan 22, 2024, RTP, North Carolina, USA
5. **Singh A.**, Lawler, C.P., Walker, V.R., Pelch, K.E., Garton, A.E., Rooney, A.A., Haugen, A.C. Becoming aWARE: The development of a web-based tool for Autism Research and Environment. A poster presentation at the North Carolina Society of Toxicology Meeting, Sep 14, 2023, Durham, North Carolina, USA.
6. **Singh A.**, and Kintziger KW. Understanding the interrelationships between chemical contaminants, harmful algal blooms, and temperature: a scoping review. A poster presentation at the Society of Environmental Toxicology and Chemistry (SETAC) North America 42nd Annual Meeting, Nov 14 – 18, 2021, Portland, Oregon, USA.
7. **Singh A.**, Poudel PG, and Kintziger KW. The effect of land use, land cover, and climate change on the incidence and outbreak of Japanese Encephalitis disease among Asian population: A systematic review. An oral presentation at the American Public Health Association (APHA) Conference, Nov 2- 6, 2019, Philadelphia, Pennsylvania, USA.
8. **Singh A.**, and Leppanen C. Effect of cyclozaprid on non-target and target arthropods: A systematic review. An oral presentation at the SETAC Latin America 13th Biennial Meeting, Sep 15 - 18, 2019, Cartagena, Colombia, South America.
9. **Singh A.**, Jagger MA., and Kintziger KW. Injury-related health impacts of flooding in Florida, 2005-2015. A poster presentation at the American Meteorological Society Meeting, Jan 6 – 10, 2019, Phoenix, Arizona, USA.
10. **Singh A.**, Jagger MA., and Kristina KW. Assessing the health impacts of flooding in Florida. A poster presentation at the APHA Conference, Nov 10 – 14, 2018, San Diego, California, USA.
11. **Singh A.**, Jagger MA., and Kintziger KW. Injury-Related Health Impacts of Flooding in Florida, 2005-2015. A poster presentation on Public Health Research Day at the Department of Public Health, University of Tennessee, Feb 23, 2018, Knoxville, Tennessee, USA.
12. **Singh A.**, and Muthusamy S. Mothers’ usage of Oral Rehydration Therapy and feeding practices during diarrheal episodes of their children in two villages within the Tuljapur block. A poster presentation at the National Seminar on Population, Health and Environment organized by International Institute of Population Sciences and Indian Institute of Forest Management, Mar 2013, Bhopal, Madhya Pradesh, India.
13. **Singh A.**, and Shroff H. A study guided by Health Belief Model of the attitude and behavior about utilization of contraceptive among women of Shivaji Nagar Slum, Mumbai. An oral presentation at the 40th Annual National Conference of Indian Association of Preventive and Social Medicine and Joint State Conference of Indian Public Health Association and IAPSM Maharashtra Chapter, Jan 2013, Nagpur, Maharashtra, India.

PRACTICE APPOINTMENTS

Ministry of Health and Family Welfare, Government of India , New Delhi, India	2016- 2017
<i>Consultant Health Management Information System</i>	
USAID-Health Financing and Governance Project , New Delhi, India	2015 – 2016
<i>Consultant Data Quality Assessment</i>	
USAID-Applying Science to Improve Systems Project , New Delhi, India	2014 – 2015
<i>District Quality Improvement Coordinator</i>	2013 – 2014

National Health Systems Resource Centre, Ministry of Health and Family Welfare, Government of India, New Delhi, India

Research Fellow, Health Informatics

Dental Clinic, Lucknow UP, India

Dental Surgeon

2010 – 2011

INTERNSHIPS

Education, Training, and Research Organization, Scotts Valley, CA

Jun - Aug 2018

Kirby Summer Fellow

Discipline: Adolescent health

School of Rural Development, Tata Institute of Social Sciences, India

Aug – Oct 2012

Intern

Discipline: Social Epidemiology

Urban Health Center, Mumbai, India

Feb – Mar 2012

Intern

Discipline: Social Epidemiology

COMMITTEE SERVICES

Department of Public Health, University of Tennessee, Knoxville

Aug 2018 – Aug 2022

Doctoral committee - Student Representative

Department of Public Health, University of Tennessee, Knoxville

Aug 2021 – Feb 2022

Biostatistics Faculty Search Committee - Student Representative

Department of Public Health, University of Tennessee, Knoxville

Jan – Aug 2019

Equity and Diversity Committee - Student Representative

SERVICE TO PROFESSION

Division of Translational Toxicology-Consumer Products and Therapeutics Program Management Team, NIEHS

May 2024-present

Member

Environmental Health Perspective Journal

Dec 2023-present

Early Career Reviewer

International Society for Environmental Epidemiology

Feb 2024

Abstract Reviewer

American Public Health Association

2021-2019

Abstract Reviewer

American Public Health Association

Abstract and Video Reviewer

Jul 2018

CERTIFICATIONS

Institute of Healthcare Improvement, Boston MA

2015-2016

Improvement Advisors Professional Development Program

- ❖ A ten-months of intensive training program on quality improvement methodology in health care services

PROFESSIONAL MEMBERSHIP

International Society for Environmental Epidemiology
Society of Toxicology
Society of Environmental Toxicology and Chemistry
American Public Health Association
American Meteorological Society

Feb 2024 - present
May 2023- present
May 2019 - 2022
Aug 2018 - 2022
Nov 2018 - 2022