

Qualifications Summary

"Accomplished mentor; track record of fostering engaging learning environments and achieving excellence in teaching, research, and service through innovative teaching, strategic leadership, and multidisciplinary collaboration."

Education

Doctor of Philosophy (PhD), Aug 2023

The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX

Major: Environmental and Occupational Health | **Minor:** Health Policy | **Breadth:** Leadership

Dissertation: "Presenteeism in Texas Healthcare Workers: The Role of Work Shift and Asthma"

Master of Science in Biology (MS), Dec 2010

The University of Texas at San Antonio, San Antonio, TX

Bachelor of Science in Biology (BS) (Honors Graduate with Tier 1 Honors), Aug 2008

The University of Texas at San Antonio, San Antonio, TX

Teaching Statement

Teaching, for me, is a source of immense joy. I thrive on dynamic exchange with students and my thirst for learning. The post-teaching satisfaction fuels my energy. My core teaching values encompass nurturing deep subject understanding, fostering critical thinking, and promoting teamwork. I view teaching as a holistic endeavor that imparts knowledge, ignites creativity, cultivates essential skills, and establishes lifelong values. It's a conduit to prospects and community engagement.

I believe in crafting a vibrant learning environment through purposeful content, constructive feedback, and mutual respect. My approach blends student-centered and teacher-centered methods, recognizing diverse learning styles. While student-centric learning drives engagement and active thought, I balance it with the efficiency of teacher-led guidance. Clear objectives and contextual assignments fuel my narrative teaching style. My toolbox includes diverse strategies, lectures, interactions, visuals, and digital tools to drive interest and highlight real-world relevance.

As an ever-evolving educator, my journey involves a commitment to inspiring, empowering, and fostering growth. There are many challenges, but the rewards are immeasurable. Witnessing students' mastery and application of knowledge is a privilege that promotes my dedication to their professional and personal success.

Training & Certifications

- Certificate in College Teaching, University of Texas-San Antonio, TX
- Certified Community Health Worker (CHW), The University of Texas at Tyler Health Science Center, Tyler, TX
- Certificate of Completion; Antimicrobial Stewardship Programs in Hospitals, Pacific Open Learning Net, World Health Organizations
- Certificate: Addressing Health Equity: A Public Health Essentials, University of the Albany-State University of New York, School of Public Health, Center for Public Health Continuing Education
- Human Research Curriculum Completion, Collaborative Institutional Training Initiative (CITI), the University of Texas Health Science Center at Houston, Exp.

Honors, Awards & Grants

- Dean's List, The University of Texas at San Antonio, San Antonio
- Oxfam Hunger Banquet Coordinator Award: VOICES, the University of Texas, San Antonio, TX
- International Student Grant, the University of Texas at San Antonio, San Antonio, TX
- Graduation Incentive Award: The University of Texas at San Antonio, \$1000.00, San Antonio, TX, 2008
- Student Accelerator Abstract Scholarship, "Black Mothers, Hypertension, Mental Health." 2020 Virtual Black Maternal and Mental Health Summit, Houston, TX, \$100.00
- ABRCMS Judge Registration Waiver Award & Certificate of Appreciation, The Annual Biomedical Research Conference for Minority Students (ABRCMS), \$100.00
- Faculty Accomplishment Featured, American InterContinental University's Pillar, Vol. 13, Iss. 4, Pg: 4
- Faculty Accomplishment Featured, American InterContinental University's Pillar, Vol. 13, Iss. 2, Pg: 14

- Faculty Accomplishment Featured, American InterContinental University's Pillar, Vol. 13, Win. Iss., Pg: 14

Travel Award

1. **ABRCMS 2023-Judge Travel Award**, The Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix, Arizona, Nov 15-18, \$1,000.00

Core Competencies

- Public Health Education
- Community Health
- Allied Health Sciences Programs
- Research & Publications
- Curriculum Design
- Administrative Operations
- Business Development
- Performance Assessment
- Science Labs Instructions
- Student Mentoring
- Data Analysis & Literature Review
- Cross-Functional Collaboration
- Risk Identification & Mitigation

Teaching & Research Experience

- **Assistant Professor (Department of Environmental and Occupational Health)**

**The University of Texas Health Science Center at Houston,
School of Public Health, Houston, TX**

2024 to Present

- Teach graduate courses such as Toxicology I: Principle of Toxicology (3 Credit Hours: Primary Instructor:100%) (Fall 24)
- Teach graduate courses such as Toxicology II: Toxic Agents and Environment (3 Credit Hours: Primary Instructor:100%) (Spring 25)

- **Instructor/ Faculty (Adjunct)- Health Science**

University of the Incarnate Word, San Antonio, TX (Remote)

2022 to Present

- Deliver comprehensive lectures on HSCI 2310—Health Sciences I (3 Credit Hours: Primary Instructor: 100%) and HSCI 2320—Health Sciences II (3 Credit Hours: Primary Instructor: 100%).
- Demonstrate matchless teaching styles and expertise in instructing students on HSCI 2312 Medical Terminology (3 Credit Hours: Primary Instructor: 100%) and HSCI 4330 Health Sciences Research Method (3 Credit Hours: Primary Instructor: 100%).
- Teaching all aspects of HSCI 4320 Biostatistics/ Health Science (3 Credit Hours: Primary Instructor:100%) and HSCI 3350 Epidemiology and Public Health (3 Credit Hours: Primary Instructor:100%) for Fall 2023 semester.
- Teach graduate courses such as HADM 6340 Quality and Continuous Improvement in Healthcare (3 Credit Hours: Primary Instructor:100%) (Fall 23)

- **Graduate Research Fellow**

Houston Methodist, Center for Outcome Research, Houston, TX

2019 to 2019

- Executed research activities and operations in association with research teams to ensure the successful completion of the Principal Investigator's research project.
- Generated a secure learning and working environments for all participants by implementing all safety rules and TMHRI's policies/procedures, immediately reporting errors/accidents, and addressing minor safety hazards promptly.
- Exemplified ICARE values by displaying integrity, compassion, accountability, respect, and excellence.

- **Instructor/ Faculty (Adjunct)-Biology/Environmental Science**

American Intercontinental University, Houston, TX

2018 to 2023

- Supported students to achieve Environmental Science course objectives by offering detailed instructions.
- Provided deep insights into teaching a course named "Cells, Clones, Clots, and Cocaine: The Secrets of Life Science (Biology)" to a diverse range of students.
- Enhanced students' practical understanding and application of subject matter by crafting engaging course topics and designing practical assignments.

- **Graduate Research Assistant**

The University of Texas-MD Anderson Cancer Center, Houston, TX,

2018 to 2018

- Executed and accomplished various research projects, such as Patient-Derived Xenograft (PDX), the Etiology of non-Hodgkin's Lymphoma, and the Gene mutation of Mantle Cell Lymphoma patients.
- Demonstrated groundbreaking research expertise to ensure flawless completion of research projects within the Department of Lymphoma/Myeloma.
- Authored poster presentations to achieve publication in scholarly journals.

- **Instructor/ Faculty (Full-time)-Biology- Registered Nursing Program**

Career Point College, San Antonio, TX

2013 to 2013

- Provided detailed lessons on courses involving Anatomy and Physiology I, Anatomy and Physiology II, Microbiology, Anatomy and Physiology I Lab, Anatomy and Physiology II Lab, and Microbiology Lab.
- Designed curriculum for Anatomy & Physiology I and II and Microbiology class for Registered Nursing program.
- Maximized understanding of students in numerous subjects involving Anatomy and Physiology I, Anatomy and Physiology II, and Microbiology by highlighting key concepts and objectives of courses.
- Guided students regarding practical implementation of course concepts during lab sessions for Anatomy and Physiology II, Anatomy and Physiology I, and Microbiology Anatomy.

- **Graduate Teaching Assistant**

The University of Texas at San Antonio, San Antonio, TX,

2009 to 2010

- Delivered instructions on undergraduate classes, such as Business Communications and Professional Development, Management Strategy, and Leading Organizations & Marketing Decisions.
- Updated grades using WebCT to ensure accurate and accessible student assessment records.
- Maintained open and transparent communication channels with instructors to share teaching best practices and strategies.

- **Undergraduate Research (Unpaid- Independent Study)**

The University of Texas Health Science Center at San Antonio, San Antonio, TX

2006 to 2006

- Acquired expertise in techniques such as Protein purification, DNA extraction, cell culture, cell development, gel electrophoresis, SDS-page gel analysis, protein extraction, and autoclave processes.
- Purified GST-Adiponectin (Nt) from bacterial cells using precise and appropriate techniques.
- Completed honors independent study and research using advanced research and experimental techniques.

Additional Experience

**Texas A&M AgriLife Extension, Aransas County (Virtual)
Community Nutrition Intern (Unpaid)**

2013 to 2013

**The University of Texas at San Antonio, San Antonio, TX
Library Computer Lab Assistant**

2006 to 2008

Technical Skills & Languages

STATA, Microsoft (Excel, Word, PowerPoint, Outlook)

Bangla (Native or bilingual proficiency) | English (Native or bilingual proficiency)

Teaching Experience

The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX, 2024 to Present

Graduate Courses:

- Toxicology I: Principle of Toxicology (3 Credit Hours: Primary Instructor:100%) (Fall 24)
- Toxicology II: Toxic Agents and Environment (3 Credit Hours: Primary Instructor:100%) (Spring 25)

University of the Incarnate Word, San Antonio, TX, 2022 to Present

Undergraduate Courses:

- HSCI 2310 Health Sciences I (3 Credit Hours: Primary Instructor:100%)
- HSCI 2320 Health Sciences II (3 Credit Hours: Primary Instructor:100%)
- HSCI 2312 Medical Terminology (3 Credit Hours: Primary Instructor:100%)
- HSCI 4330 Health Sciences Research Method (3 Credit Hours: Primary Instructor:100%)
- HSCI 4320 Biostatistics/ Health Science (3 Credit Hours: Primary Instructor:100%) (Fall 23)
- HSCI 3350 Epidemiology and Public Health (3 Credit Hours: Primary Instructor:100%) (Fall 23)
- HSCI 3330 Legal Issues in Healthcare (3 Credit Hours: Primary Instructor:100%) (Spring 24)

Graduate Courses:

- HCAD 6340 Quality and Continuous Improvement in Healthcare Organization (3 Credit Hours: Primary Instructor:100%) (Fall 23)

American Intercontinental University, Houston, TX, 2018 to 2018

- Environmental Science, Primary Instructor
- Cells, Clones, Clots, and Cocaine: The Secrets of Life Science (Biology), Primary Instructor

San Jacinto College, Houston, TX, 2018 to 2018

- Biology for Science Major I (Fall 2018), Primary Instructor
- Biology for Science Major I Lab (Fall 2018), Primary Instructor

Career Point College, San Antonio, TX, 2013 to 2013

- Anatomy and Physiology, I; Primary Instructor
- Anatomy and Physiology, I Lab; Primary Instructor
- Anatomy and Physiology II; Primary Instructor
- Anatomy and Physiology II Lab; Primary Instructor
- Microbiology; Primary Instructor
- Microbiology Lab; Primary Instructor

The University of Texas at San Antonio, San Antonio, TX, 2009 to 2010

- Business Communications and Professional Development; Teaching Assistant
- Management Strategy; Teaching Assistant
- 'Leading Organizations & Marketing Decisions; Teaching Assistant

Publications

Peer-Reviewed:

1. **Bhuiyan, S. S.** (2023). Presenteeism in Texas Healthcare Workers: The Role of Work Shift and Asthma ProQuest Dissertations Publishing]. <https://www.proquest.com/docview/2970131598/abstract/AB57D2C4A5454859PQ/1?sourcetype=Dissertations%20&%20Theses>
2. **Bhuiyan S.**, "Prevalence of Job Stress in Types of Workplaces and Impact of Job Stress on Job Performance: A Review of Available Literature." (Manuscript under preparation).
3. **Bhuiyan S., Gimeno D., Patel J., Linder S., Delclos G.** "Effect of Presenteeism in Work Shift and Asthma: A Texas Healthcare Worker Study" 2024. (Manuscript under preparation).

Newspaper:

1. **Shabnam Bhuiyan, MS, Kirsten Korda, Ph.D.** "Onion myths dispelled by experts," The Rockport Pilot-Page 5A, Agri life extension Service News, Feb 2013

Abstracts (Conference Posters/Presentations)

1. Yao Y, Liu Y, Guo H, Ahmed M, **Bhuiyan S**, Nomie K, "Metabolic Profiling Identifies De Novo Nucleotide Synthesis as a Potential Metabolic Vulnerability for Targeted Therapy Against Mantle Cell Lymphoma" Blood (2018) 132 (Supplement 1): 2945. DOI: <https://doi.org/10.1182/blood-2018-99-112192>.
2. **Bhuiyan, S.** Improving Organizational Health Literacy: Having an Aid to Help Patients. 23rd Annual Health Literacy Conference, Virtual. May 14-16, 2024, Zenodo. <https://doi.org/10.5281/zenodo.11391868>
3. **Bhuiyan, S.** "Shiftwork and Presenteeism in Healthcare Workers," 2022 Public Health Conference for Iowa, May 3-5, 2022, Ames, IA (virtual).
4. **Bhuiyan, S., Efa, T.,** "Pros and Cons of A1C Testing", Virtual ADCES21 Annual Conference, 12-15 August 2021. Available at <https://adcesmeeting.org/2021/ADCES21/PosterTitles.asp?pfp=BrowsebyTitle>.
5. **Bhuiyan, S.,** "A Mini-Review of Texas Farmworkers Mental Health," 2021 Virtual Public Health Conference, Advocating for Wisconsin's Health: Striving for Justice Through Systems Change, 25-27 May 2021. DOI: 10.13140/RG.2.2.32362.24004 (7-minute oral presentation of the poster displayed on the virtual wall).
6. **Bhuiyan, S.,** "Pollutants and Adverse Health Effects of Traffic-Related Air Pollution: A Literature Review" 2nd Transportation, Air Quality, and Health Symposium, 18-20, May 2021 (Virtual).

7. **Bhuiyan, S.**, "COVID-19 Impact on Minorities", 2021 Virtual Public Health Conference of Iowa, 5-9 April 2021. DOI: 10.13140/RG.2.2.28049.97124
8. **Bhuiyan, S.**, "Impact of COVID-19 on Lysosomal Disease Patients", 17th Annual WORLD Symposium, 8-12 February 2021, 2:30-3:30 EST. (Abstract published in conference proceedings).
9. **Bhuiyan, S.**, "Presenteeism in Healthcare Workers," 2020 Virtual Northwest Occupational Health Conference, 21-23, October 2020. (30-minute Oral presentation).
10. **Bhuiyan, S.**, "Maternal Exposure to Racism and Pregnancy Outcome," Arizona Health Equity Conference: Racism and its Impact on Child and Adolescent Health: From Awareness to Action, 15, October 2020. DOI: 10.13140/RG.2.2.24812.49286, <https://azhealthequity.org/poster-presentations>
11. **Bhuiyan, S.**, "Oral Cancer Disparity among African Americans," AACR (American Association of Cancer Research) Virtual Conference: The Science of Cancer Health Disparities, 2-4, October 2020.
[Abstract published] In Proceedings of the AACR Virtual Conference: Thirteenth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; 2020 Oct 2-4. Philadelphia (PA): AACR; Cancer Epidemiol Biomarkers Prev 2020; 29(12 Suppl): Abstract nr PO-196. DOI: 10.1158/1538-7755.DISP20-PO-196
12. **Bhuiyan, S.**, "Prior Coronavirus Outbreaks in Different Parts of the World," 2020 Nevada Public Health Virtual Conference, Virtual Conference, 21-23 September 2020.
13. **Bhuiyan, S.** (Student Accelerator), "Black Mothers, Hypertension, Mental Health." 2020 Virtual Black Maternal and Mental Health Summit. Houston, TX (moved virtually due to COVID), July 20-23, 2020. DOI:10.5281/zenodo.3964401 (30-minute Oral presentation).
14. **Bhuiyan, S.** "Migrant Health". 3rd Annual Conference on Migration and Health: Building Partnerships for Action. Galveston, TX, December 9-10, 2019. DOI: 10.5281/zenodo.3964301.

Invited Lecture/Talk /Conference Judge

15. **Bhuiyan, S.** (Guest Lecturer), "Overview of Environmental Health/Epidemiology," Course: HEAL 407/507: Epidemiology, Primary Instructor: Dr. Cassandra Diep, Ph.D., Assistant Teaching Professor, Rice University, Houston, TX, October 20, 2020.
16. **Bhuiyan, S.**, Conference Judge, The Annual Biomedical Research Conference for Minority Students (ABRCMS), November 15-18, 2023, Phoenix, Arizona (In person).
17. **Bhuiyan, S.**, Event judge, 23-24 Cal -HOSA Virtual RCE (Regional Competitive Events), January 22-24, 2024 (Virtual Judging), Judging Period: January 22-25, 11:59 pm.
18. **Bhuiyan, S.** (Guest), Topic: "Economic Impact of COVID-19", Moderator-Sharif Uddin Ahmed Rana (Ph.D., MBA) Malaysia, President, World Talent Economy Forum (WTEF).
19. **Bhuiyan, S.**, Conference Judge, The Annual Biomedical Research Conference for Minority Students (ABRCMS), November 10-13, 2021. Virtual.
20. **Bhuiyan, S.**, Conference Judge, Oregon DECA's State Career Development Conference, Jan 28-Feb. 7, 2022, Virtual.
21. **Bhuiyan, S.**, Research Abstract Reviewer, ISPOR: The Professional I Society for Health Economics and Outcomes Research, Atlanta, Georgia, May 5-8, 2024, Judging Period: January 22-February 5 (Online).

Service to Profession

1. **School of Professional Studies Representative:** Academic Technology Advisory Committee, University of Incarnate Word, San Antonio, TX, 2023.

Professional Society Affiliation

- American Public Health Association
- Texas Public Health Association
- Society for Nutritional Education & Behavior
- American Industrial Hygiene Association, August 21st, 2017
- American Association of Cancer Research, 3rd September 2020-Present
- Associate Member: Nevada Public Health Association
- Occupational Medicine Journal Club, SWCOEH, UTHealth

Volunteering and Extracurricular Activities

- Hospital Volunteer: University Hospital, San Antonio, TX
- Volunteer, Alfa Epsilon Delta (AED), University of Texas-San Antonio
- President, Bangladesh Student Association, University of Texas-San Antonio.
- Oxfam Hunger Banquet Coordinator: VOICES, fall 2005, University of Texas-San Antonio.
- College of Science Representative: Student Government Association, UTSA, <https://www.utsa.edu/today/2005/04/sga.cfm>
- Secretary, Bangladesh Student Association, University of Texas-San Antonio.
- Secretary: Honors Alliance, University of Texas-San Antonio.
- Ex-Member: Honor's Alliance, Sigma Kappa Upsilon (Honor Society for Sophomores), United Health Care and Red Cross UTSA, Pre-med, AED (Alpha Epsilon Delta), the University of Texas at San Antonio
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Professional Development

1. **Improving Wellness: Mindfulness and Meditation**, Brent M. Ferns, Sr., Adj. Faculty, general Ed., American InterContinental University, 9/17/2020, 4 -5 p.m.
2. **SPS representative**
3. **Putting the "Fun" into Fundamental Classroom Learning**, Dr. David Lounsbury, FT Faculty, School of Criminal Justice, American InterContinental University, 9/17/2020, 11 pm-12 pm.
4. **Journey to the Future: Using Purpose to Help Student Succeed**, Prof. Erica Ellsworth, FT Faculty Member, General ED., American InterContinental University, 9/16/2020, 11 -12 pm.
5. **#BackToSchool: Real-World Learning in the Current Environment**. Jeannette Jones, RCC, Dean; Dr. Joanna Dreiling, Program Chair; Dr. John Mendes, Lead Faculty; Dr. Deana Plaskon, Adjunct Faculty, American InterContinental University, 9/15/2020, 3 pm-2 pm.
6. **Provost's Address to Faculty**, Prof. Ruki Jayarama, Provost and CAO, American Intercontinental University, and Dr. Mihaela Tanasescu, Vice Provost, Trident, 9/14/2020, 3 p.m.- 4 p.m. CT.
7. **Faculty/Advisor Note Sharing: Pathway to Partnership**, Molly Sheahan, American Intercontinental University, Faculty Training and Support Lab (Virtual) 6/29/2020, 3 -4 pm CT. **A Conversation about Global Health with Bernice Dahn**, Bernice Dahn, M.D., MPH, Vice President for Health Sciences, University of Liberia, Former Minister of Health for the Republic of Liberia. Maria Martin, Ph.D., M.Ed. Assistant Professor Dept. of Health Policy, Vanderbilt School of Medicine, Associate Director, Education and Training Vanderbilt Institute for Global Health, Director, Global Health Track Master of Public Health Program, Unite for Sight, Global Health Idea Lab, 6/25/202, 11AM-12 PM ET.
8. **The Art of Effective Leadership**, David Aylward, Assistant Clinical Professor, Department of Family Medicine, University of Colorado School of Medicine; Senior Advisor, Eugene Farley Jr. Health Policy Center, University of Colorado, James Clarke, Ophthalmologist, and Medical
9. Director, Crystal Eye Clinic, Ghana; Unite for Sight Ghana Medical Director, Julie Mountcastle, Head of School, Slate School, Nomawethu Siswana, Grade R Teacher, Ubuntu Pathways, Chris Underhill, Founder, Basic Needs; Co-Founder, mhNOW and Moderated by Mark Roithmayr, CEO of Alzheimer's Drug Discovery Foundation, Unite for Sight, Global Health Idea Lab, 6/17/202, 11AM-12 PM ET.
10. **The Future of On-Line Learning**, Joshua Byrd, JD, Program Chair of Criminal Justice, Atlanta and David Lounsbury, Ph.D., FT Faculty member, School of Criminal Justice, American Intercontinental University, 5/21/2020, 4 pm-5 pm CT.
11. **There's an APP for that**, Prof. Helena Brasovan, Yahaira Hall, and Scott Moreno, FT Faculty member, General Education, American Intercontinental University, 5/20/2020, 12 pm-1 pm CT.
12. **Distraction to Traction**, Prof. Dawn M. Kaiser, FT Faculty member, School of Business, American Intercontinental University, 5/19/2020, 3 pm-4 pm CT.
13. **Provost's Address to Faculty**, Prof. Ruki Jayarama, Provost and CAO, American Intercontinental University, 5/18/2020, 5p-6 pm CT.
14. **I passed this time a step-by-step Guide to Successfully Teaching Retakers!** Prof. Errol Sull, FT Faculty member, General Education, American Intercontinental University, 3/11/2020, 5 pm-6 pm CT.