TEXAS STATE VITA

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Name: Md Niaz Morshed Title: Lecturer

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph.D.	2019	Texas State University	Geographic Information Science (GIS)	Childhood Cancer Disparities in Texas.
M.S.	2014	Murray State University	Geosciences	Application of Remote Sensing and GIS techniques to assess land use and land cover change in Dhaka city, Bangladesh.
M.S.	2010	University of Dhaka, Bangladesh	Environmental Science	Capstone Project
B.S.	2008	University of Dhaka, Bangladesh	Soil, Water and Environmental Science	N/A

C. University Experience

Instructor of Record August 2016 - May 2018

Texas State University (TSU), Department of Geography and Environmental Studies

- Developed curriculum and lectured Fundamentals of Geographic Information Systems (GIS) course.
- Prepared and proctored tests, updated roster, and graded exam papers, quizzes, assignments, and final projects. (class size: 28).
- Coordinated with several graduate assistants (GA) for lab work and final projects.

Graduate Teaching Assistant August 2014 - May 2016

Texas State University, Department of Geography and Environmental Studies

- Lead instructor for Physical Geology, Intro GIS, Advance GIS, and GIS Consulting Practicum labs.
- Prepared lab materials, updated roster, and graded lab assignments.

Graduate Teaching Assistant January 2013 - May 2014

Murray State University, Department of Earth and Environmental Sciences

- Prepared labs materials, updated roster, and graded lab assignments.
- Graded homework and lab assignments for two online courses:

D. Relevant Professional Experience

Affiliated Research Support Staff August 2018 - June 2019

University of Texas at Austin, Dell Medical School

- Data Processing and analysis related to the project titled "A spatially enhanced multifaceted intervention to increase colorectal cancer screening rates in vulnerable populations in Travis County."

Research Assistant July 2013 - August 2013

Murray State University, Department of Earth and Environmental Sciences

- Development of project methodological approaches, data collection, analysis and report submission to the PIs for an ESRI-funded project.

E. Other Professional Credentials (licensure, certification, etc.)

- Foundation of Project Management - authorized by Google and offered through Coursera 2023
- Leadercast 2023: Human Intelligence – Leadership Development Program 2023
- Office for Human Research Protections (OHRP) training course 'Human Research Protection Foundational Training' of the U. S. Department of Health and Human Services 2021
- American Council on the Teaching of Foreign Languages (ACTFL) 2016

II. TEACHING

A. Teaching Honors and Awards:

B. Courses Taught:

Course No.	*Course Title*	*Institution*
In class lecture GEO 2426	Fundamentals of Geographic Information Systems (GIS)	Texas State University
Lab Instructor GEOL 1410 GEO 2426 GEO 3426 GEO 4427	 Physical Geology Geographic Information Systems (GIS) Advance GIS GIS Consulting Practicum	Texas State University
Lab Instructor GSC 521 GSC 101 GSC 199 GSC 125	 Geographic Information Systems (Graduate level) Earth and Environment Earth Science (In person & online) Weather and Climate (online)	Murray State University

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

D. Courses Prepared and Curriculum Development:

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

2. Submitted, but not Funded, External Teaching Grants and Contracts:

3. Funded Internal Teaching Grants and Contracts:

4. Submitted, but not Funded, Internal Teaching Grants and Contracts:

F. Other:

G. Teaching Professional Development Activities Attended

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

2023. Deka, Mark A., and **N. Morshed.** 2023. Geospatial Analysis of Tungiasis Diseases Transmission Risk in East Africa. (eds) Health Geography in Sub-Saharan Africa. Edited by J. Asumah Braimah, E. Bisung, & V. Kuuire. *Springer, Cham.* pp 177-193. (https://doi.org/10.1007/978-3-031-37565-1_12)

e. Creative Books:

2. Articles:

a. Refereed Journal Articles:

2024. **Morshed N**, Russell W, F BZ. Causal Mediation Analysis for Childhood Cancer Survival Disparity in Texas, 2005 to 2014. Journal of Community Medicine and Health Solution. 5(1):023-030. (doi:10.29328/journal.jcmhs.1001044)

2022. **Morshed, N.,** and other collaborators from Texas HHS. 2022. Impact of COVID-19 on Vulnerable Populations in Texas FY 2022: Phase 2 Report. *Reporting Legislative COVID-19. (Available at* https://www.hhs.texas.gov/sites/default/files/documents/covid-19-impact-on-vulnerable-populations-in-texas-dec-2022.pdf*)*

2021. **Morshed N**, Zhan FB. Racial/ethnic, social characteristics and geographic disparities of childhood cancer late-stage diagnosis in Texas, 2005 to 2014. Annals of GIS. 2021;27(4):329-340. (doi:10.1080/19475683.2021.1981999)

2021. Zhan FB, **Morshed N**, Kluz N, et al. Spatial Insights for Understanding Colorectal Cancer Screening in Disproportionately Affected Populations, Central Texas, 2019. Preventing Chronic Disease. 2021;18:1-7. (doi:10.5888/pcd18.200362)

2020. **Morshed N**, Haskard-Zolnierek K, Zhan FB. Geographic Variations of Racial/Ethnic Disparities in Late-Stage Diagnosis of Childhood Cancer in Texas. Southern Medical Journal. 113(5):224-231. (doi:10.14423/SMJ.0000000000001097)

2018. Deka M, **Morshed N**. Mapping Disease Transmission Risk of Nipah Virus in South and Southeast Asia. Tropical Medicine and Infectious Disease. Published online 2018. (doi:10.3390/tropicalmed3020057)

2017. **Morshed N**, Yorke C, Zhang Q. Urban Expansion Pattern and Land Use Dynamics in Dhaka, 1989–2014. The Professional Geographer. 2017;69(3):396-411. (doi:10.1080/00330124.2016.1268058)

b. Non-refereed Articles:

3. Conference Proceedings:

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

2. Invited Talks, Lectures, and Presentations:

Conference Presentations

Morshed, N. and F. Benjamin Zhan. Racial/ethnic disparities in childhood cancer survival in Texas. The AAG annual meeting, Washington, DC, April 3-7, 2019.

Morshed, N. and F. Benjamin Zhan. Childhood cancer disparities in Texas. The AAG annual meeting, New Orleans, LA, April 10-14, 2018.

Morshed, N. and F. Benjamin Zhan. Late-stage diagnosis factors of childhood cancer in Texas. The AAG annual meeting, Boston, MA, April 05-09, 2017.

Morshed, N. Emission trend of ozone and fine particulate matter (PM2.5), and Chronic lower respiratory disease mortality - A case study of Houston Galveston area, Texas. The AAG annual meeting, San Francisco, CA, March 09-April 02, 2016.

Morshed, N. Emission trend of ozone and fine particulate matter (PM2.5), and Chronic lower respiratory disease mortality - A case study of Houston Galveston area, Texas. The ASPRS 2016 annual meeting, Fort Worth, TX, April 11-15, 2016.

Morshed, N., C. Yorke, and Q. Zhang. 2015. Application of remote sensing and GIS techniques to assess land use and land cover change in Dhaka city, Bangladesh. The AAG Annual meeting. Chicago, IL, April 21-25, 2015.

Morshed, N. Land-use and Land-cover Change in Dhaka City, Bangladesh: A GIS and Remote Sensing Approach. The ASPRS annual meeting, Tampa, FL, May 04-08, 2015.

Morshed, N. and Q. Zhang. 2014. Using Remote Sensing to assess the damage of Cyclone Aila, 2009 in the coastal region of Bangladesh. The ASPRS Annual meeting, Louisville, KY, March 23-27, 2014.

Morshed, N. and Q. Zhang. 2013. Modeling the effect of sea level rise in the coastal region of Bangladesh. *The GSA 125th annual meeting*, Denver, Colorado, October 27-30, 2013.

3. Consultancies:

4. Workshops:

5. Other Works not in Print:

a. Works "submitted" or "under review":

b. Works "in progress":

c. Other Works Not in Print:

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Scholarly / Creative Fellowships, Awards, Honors:

- Tropical Medicine and Infectious Disease John M Goldsmid Award 2020
- Bernard W. Detlefsen Doctoral Excellence Scholarship 2016, 2018
  Dept. of Geography and Environmental Studies, Texas State University, TX.

- Liberal Arts, Grad College Scholarship at Texas state University. 2016, 2017
- Student Government Scholarship (Library) at Texas State University 2016, 2017
- Best Student Paper Award 2014
  The Geological Society of America, Vancouver annual conference.
- Global Outreach Tuition, and Provost Tuition scholarships 2013
  Murray State University.
- MS Award from F.H. Hall, University of Dhaka, Bangladesh 2011

E. Scholarly / Creative Professional Development Activities Attended:

F. Media Recognition:

IV. SERVICE

A. Institutional

1. University:

- President 2016 - 2017
  Graduate forum, Dept. of Geography and Envt. Studies at TSU.
- Vice-President 2015 - 2016
  Graduate forum, Dept. of Geography and Envt. Studies at TSU.
- President 2014 - 2017
  Bangladesh Student Association at TSU.

2. College:

3. Department/School:

B. Professional:

- Society of Geographic Information Science (SOGIS) at Texas State Univ. 2014 - 2019
- Association of American Geographers (AAG) 2014 - 2019
- Murray State University Geosciences Alumni since 2014
- The Geological Society of America (GSA) 2013 - 2015
- Communications Councilor, Student Advisory Council (SAC) 2014 - 2016
  Chapter of ASPRS

C. Community:

D. Organization Memberships:

- Phi Kappa Phi College Honor Society at Texas State University 2018 - 2019
- Alpha Chi National College Honor Society at Texas State University 2015 - 2019
- Gamma Theta Upsilon (GTU) Honor Society at TSU 2015 - 2019

E. Service Honors and Awards:

- Student Assistant Award 2015, 2016
  American Society for Photogrammetry and Remote Sensing (ASPRS).

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: