

Afsana Sharmin

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Teaching and Work Experience

Lecturer (full-time) Division of Planning, Landscape Architecture, and Design Christopher C. Gibbs College of Architecture University of Oklahoma, Norman, OK	2024- Current
Lecturer (Adjunct.) Division of Planning, Landscape Architecture, and Design Christopher C. Gibbs College of Architecture University of Oklahoma, Norman, OK	2024
Graduate Part-Time Instructor Department of Architecture Texas Tech University, Lubbock, TX	2018- 2021
Graduate Part-Time Instructor Department of Landscape Architecture Texas Tech University, Lubbock, TX	2017- 2018
Research Assistant Department of Landscape Architecture Texas Tech University, Lubbock, TX	2016- 2017
Associate Architect Indigenous Architects, Dhaka, Bangladesh	2013- 2015
Associate Architect Space Architects, Engineers, Planners, Dhaka, Bangladesh	2011- 2012
Assistant Architect Space Design and Development Ltd, Dhaka, Bangladesh	2010- 2011

Education

Doctor of Philosophy in Land Use Planning, Management and Design Texas Tech University, Lubbock, Texas	Current
Master of Landscape Architecture (Professional) Department of Landscape Architecture, Texas Tech University, Lubbock, Texas	2017
Bachelor of Architecture (Professional) Department of Architecture, BRAC University, Dhaka, Bangladesh	2010

Research

Petropolis: A Study of Urban Growth Patterns with reference to Hydraulic Fracturing in the Greater Midland-Odessa Region (Supervisor: Dr. Carlos Portillo-Quintero)	2020- Current
Mapping Land Use Land Cover Changes (LULCC) Driven by Energy Extraction Process in the Midland-Odessa Region, 1981-2018	2019
Preventing Obesity by Design: Impacts of Landscape Design in Early Learning Environments (Supervisor: Dr. Charles Klein)	2017- 2018
An Experimental Study of Particulate Matter (PM) Distribution and Urban Form Forms (Supervisor: Dr. Sohyun Park)	2016- 2017
Use of Vegetation in Mitigating PM 2.5 Concentration in Different Levels of Urban Street Canyon (Supervisor: Dr. Sohyun Park)	2016

Courses Taught

Lecturer, Landscape Architecture, University of Oklahoma

LA 5525 Graduate Studio II
LA 5535 Graduate Studio III
LA 5343 Landscape Technologies: Site Issues

College of Architecture, Texas Tech University

ARCH 1301 Design Studio I (Graduate Part-time Instructor)
ARCH 1302 Design Studio II (Graduate Part-time Instructor)
ARCH 5501/02/03 Advance Architectural Design Studio- Conceptual Architecture for Southern Spain. (Teaching Assistant)
ARCH 5502 Advance Architectural Design Studio- The 21st Century Double House (Teaching Assistant)

Department of Landscape Architecture, Texas Tech University

LARC 4401/5301 Urban Design Studio
LARC 2223: LA Modeling and Communication III, (Graduate Part-time Instructor) LARC 3225: LA Modeling and Communication V, (Graduate Part-time Instructor)

Awards & Recognitions

TTU Growth Enhancement Scholarship	2019-2022
Elo and Olga Urbanovsky Competitive Fellowship	2018-2021
Texas Tech Architecture Scholarship	2017-2020
Albert R. Moffitt Graduate Scholarship	2017-2019

Landscape Architecture Honor Society (Sigma Lambda Alpha) Nationwide Academic Competitive Scholarship	2017
The Honor Society of Agriculture (Gamma Sigma Delta) Outstanding Graduate Student	2017
OLE! Texas Outdoor Learning Scholarship	2017
TTU Study Abroad Scholarship	2016
Texas Tech University Marvin LA Scholarship	2015-2017
CH Foundation Graduate Fellowship	2015-2017

Media

When Nature Nurtures. *The Agriculturist*, Spring 2017 Issue

Conference

Sharmin, A. The Web of Extraction: A Telecoupling Analysis of Hydraulic Fracturing and Land Use Land Cover Changes (LULCC). Accepted for Oral presentation CELA (Council of Educators in Landscape Architecture) Annual Conference, March 16-19, 2022, Santa Ana Pueblo, NM.

Sharmin, A. & Park, S. Rethinking Schoolyard: Outdoor Learning Environment for Connecting Children with Nature. Oral presentation CELA (Council of Educators in Landscape Architecture) Annual Conference, March 21-25, 2018, Blacksburg, VA.

Klein, C, Sharmin, A. & Gaines, K. Implementing POD (Presenting Obesity by Design) and its implications for Landscape Architecture Programs. Oral presentation CELA (Council of Educators in Landscape Architecture) Annual Conference, March 21-25, 2018, Blacksburg, VA.

Research Interests

Environmental Planning, Resource Extraction and Urbanization, Parametric Urban Design, Landscape Ecology and its application in planning, Remote Sensing for Urban Environment, Human Nature Interaction, Anthropogenic LULCC.

Computer Skills

ENVI, ERDAS, ARCGIS, TerrSet, AutoCAD, SketchUp, Adobe Creative Suit, Lumion, Rhino, Grasshopper, Microsoft Office.

Professional Affiliations

American Society of Landscape Architects, Associate Member.

Institute of Architects Bangladesh, CS-200.