Muntazar Monsur, PhD
Assistant Professor
Department of Landscape Architecture
Davis College of Agricultural Sciences and Natural Resources
Texas Tech University
CASNR Annex Building Room 131
2904 15th Street
Lubbock, TX 79409
mmonsur@ttu.edu
+1 (806) 834-2994

(a) Professional Preparation

Institution	Location	Major	Degree & Year
Bangladesh University of Engineering and Technology (BUET)	Dhaka, Bangladesh	Bachelor of Architecture	November 2006
Bangladesh University of Engineering and Technology (BUET)	Dhaka, Bangladesh	Master of Architecture	June 2011
North Carolina State University	Raleigh, North Carolina, USA	Ph.D. in Design	January 2015

(b) Appointments

2019-Present   *Department of Landscape Architecture (DoLA),* Davis College of Agricultural Sciences and Natural Resources, Texas Tech University (TTU). **Assistant Professor**.

2021-Present   *Department of Landscape Architecture (DoLA),* Davis College of Agricultural Sciences and Natural Resources, Texas Tech University (TTU). **Graduate Coordinator**.

2015-2019   *The Natural Learning Initiative*, College of Design, NC State University. **Postdoctoral Research Scholar**.

2011-2014   *The Natural Learning Initiative*, College of Design, NC State University. **Graduate Research and Teaching Assistant**.

2007-2011   *Department of Architecture*, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh. **Lecturer**.

(c) Teaching Experience

Texas Tech University (2019 – present)
LARC 6416: Landscape for Learning
LARC 6301: Research Methodology for Planning and Design: Research Methods and Development
LARC 5001: Special Topics
LARC 6203: Thesis Research, Preparation, and Organization
LARC 1412: Landscape Design Studio II – Site Design
LARC 2413: Landscape Design Studio III – Site Systems
NC State University (2015 – 2019)
LAR 582 – Biophilic Design (2018-2019)
LAR 582/221 – Introduction to Environment and Behavior for Designers (2016-2019)
Early Childhood Outdoor Learning Environments Certificate Course (2017-2019)
Designing Early Childhood Outdoor Environments Certificate Course (2017-2019)

Bangladesh University of Engineering and Technology BUET, (2007 – 2011)
Arch 102: Design Studio I
Arch 104: Design Studio II
Arch 324 Working Drawing II: Production Drawing
Arch 261: Construction Methods and Details

(d) Graduate Advising
Completed
- Sheikh Muhammad Rezwan, M. Arch. Thesis: *The Relationship between Children's Physical Activity and Outdoor Design Features in Schools of Dhaka*, Department of Architecture, Bangladesh University of Engineering and Technology (BUET). Role: Committee Member (2020).
- Andrew D. Castilleja, *Reclaiming the South Plains: Sustainable Development as a Model for Economic Growth on Lands Impacted by Oil and Gas Industry Operations*, MLA Thesis: Department of Landscape Architecture (DoLA), Texas Tech University. Role: Committee Member (2021).
- Jonah E Trevino, Master of Horticultural Science Thesis: *Plants in The Periphery: Passive Interactions with Plants in Different Learning Environments*, Department of Plant and Soil Science (PSS), Texas Tech University. Role: Committee Member (2020-2021).

Ongoing
- Saad Andalib, MLA Thesis: *A comparative Analysis of XR Oriented Pedagogy with Traditional Pedagogy in Landscape Learning*, Department of Landscape Architecture (DoLA), Texas Tech University. Role: Committee Chair (2020-2022).
- Nazia Afrin Trina, MLA Thesis: *The Play Value of Plants: Altering parts of plants as Loose part play materials in Early Childhood Learning Landscapes*, Department of Landscape Architecture (DoLA), Texas Tech University. Role: Committee Chair (2020-2022).
- Alicia Thomas, Master of Horticultural Science Thesis: *The effects of plant-related activities and landscape design as a therapeutic modality for military veterans living in the Southern High Plains: A horticultural therapy study,* Department of Plant and Soil Science (PSS), Texas Tech University. Role: Committee Member (2020-2022).

(e) Synergistic Activities
- Selected as a member of the 2021-2022 Institute for Inclusive Excellence (IIE) Program in Texas Tech University (TTU).
- Selected as a 2020-2021 Service-Learning Faculty Fellow in Texas Tech University (TTU).
- Established the XR (Extended Reality) Lab in the Department of Landscape Architecture (DoLA), at Texas Tech University (TTU) in 2020.
- Trained in Quality Matters (QM), a nationally recognized, faculty-centered, peer-review process that certifies the quality of online courses and was involved in the development of the first officially certified QM course (LAR 582/221) for the College of Design at North Carolina State University
- Co-developed two continuing education courses - "*Creating and Managing Outdoor Learning Environments to Promote Healthy Development of Young Children*" online certificate program (2016) for educators, professionals, and volunteers and *"Designing Early Childhood Outdoor Environments"* online certificate program (2016) for design professionals and design students in gaining skills and understanding to create, manage, promote, organize, and administer high-quality outdoor play and learning environments

(f) Honors and Awards

- 2022 Best Poster Honorable Mention in CELA (Council of Educators in Landscape Architecture) Conference.
- 2020 President's Emerging Engaged Scholarship Award, TTU
- 2018 Gertrude Cox Award for Innovative Excellence in Teaching and Learning with Technology, Office of Faculty Development, NCSU
- ARCC (Architectural Research Centers Consortium) King Medal for excellence in innovation, integrity, scholarship in architectural/environmental design research, NCSU, May 2015
- EDRA45 Student Design Award for Measuring Indoor-Outdoor Spatial Relationship in Preschool Classroom Environment, In EDRA45 New Orleans, June 2014
- 2nd Place, 9th Annual Graduate Student Research Symposium, NC State University, McKimmon Center, March 2014
- 1st Place, EDRA Student Paper Award 2012 for Impact of Street Design on Children's Independent Mobility in EDRA43 Seattle, June 2012.

(g) Administrative Activities

- Graduate Program Coordinator (2020-present), DoLA, CASNR, TTU

(h) Grants

Successful Grants

Grant/Funding at TTU (2019-present)	Amount	Role
USDA NIFA Capacity Building Grants titled *Using Interactive Virtual Tours to Train Childcare Professionals and Future Leaders to Create Healthier Early Childhood Environments* (2022-2025)	$300,000	PI
USDA-NIFA Higher Education Challenge Grant titled *iVisiT: Interactive Virtual Tours for Advancing Food and Agricultural Sciences* (2021-2024)	$750,000	Co-PI
Creating Active Outdoor Environments for Young Children of Texas – Phase 5, Texas Department of State Health Services (2021-2022)	$121,000	Co-PI
PlayCore subaward titled *Play Value Assessment Tool Dissemination Phase*	$5000	PI
USDA NIFA Capacity Building Grants titled *Effectiveness of a Child Care Hands-on Gardening Component for Preventing Preschool Obesity in Different Climatic Zones and Demographic Areas* (2020-23)	$272,149	PI
Creating Active Outdoor Environments for Young Children of Texas – Phase 4, Texas Department of State Health Services (2020-2021)	$198,500	Co-PI
International Research and Development Seed Grants, TTU (2020)	$2000	PI
CASNR Summer Salary Support Program, TTU (2020)	$7000	PI
Total Grant Money Generated at TTU in PI and Co-PI Roles	**$ 1,655,649**	

Grants Funding at NCSU	Amount	Role
DELTA 2018 Online Course Improvement Program (OCIP)	$5000	PI
2018-2019 Faculty Research and Professional Development (FRPD) Grant	$4000	PI
2018 US Play Coalition Research Seed Grant (PI), April 2018 by US Play Coalition	$3000	PI
DELTA Exploratory Grant 2017-2018 (PI): Immersive Learning Technologies for Teaching Construction Methods in Landscape Architecture	$8000	PI
2015-2016 Professional Development Award (PI) from the Office of Postdoctoral Affairs (OPA) and the Graduate School at NC State University	$1000	PI

Grants Not Funded

Grant/Funding	Amount	Role
USDA AFRI Rapid Response to Novel Coronavirus (SARS-COV-2): Innovating Formal and Non-Formal Educational Experiences in Food and Agricultural Sciences During the Time of Social Distancing titled *iVisiT: Interactive Virtual Tours for Advancing Agricultural Education During the Time of Social Distancing* (2020)	$1000,000	Co-PI
UKRI Ideas to Address COVID-19 Grant titled A Child Mental Health Pandemic? An Investigation into Social and Spatial Factors Affecting Child Resilience During COVID-19 to inform Post-Pandemic City Design and Planning	£391,054	Co-PI
USDA NIFA Hispanic-Serving Institutions Education Grants Program titled *Recruiting Future Leaders for Combating Early Childhood Obesity in Childcare Centers in Hispanic Communities* (2020)	$30,000	PI
The CH Foundation, Inc. Grant titled *Advancing Childcare Healthy Living in Lubbock Co. Using Interactive Virtual Tours* (2020)	$39,218	PI

i) Publication

Articles
Beasley, D. E., **Monsur, M.**, Hu, J., Dunn, R. R., & Madden, A. A. (2022). The bacterial community of childcare centers: potential implications for microbial dispersal and child exposure. Environmental microbiome, 17(1), 1-13.) https://doi.org/10.1186/s40793-022-00404-6

Trevino, J. E., **Monsur, M.**, Lindquist, C. S., & Simpson, C. R. (2022). Student and Nature Interactions and Their Impact on Mental Health during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 19(9), 5030. https://doi.org/10.3390/ijerph19095030

Cosco, N. G., Wells, N. M., **Monsur, M.**, Goodell, L. S., Zhang, D., Xu, T., ... & Moore, R. C. (2021). Research Design, Protocol, and Participant Characteristics of COLEAFS: A Cluster Randomized Controlled Trial of a Childcare Garden Intervention. International Journal of Environmental Research and Public Health, 18(24), 13066. https://doi.org/10.3390/ijerph182413066

Monsur, M., Mansur, M., Islam Z. (2017) Are children living on dead-end streets more active? Near-home street patterns and school-going children's time spent outdoors in Dhaka, Bangladesh. *Preventive Medicine*, Elsevier http://dx.doi.org/10.1016/j.ypmed.2016.11.016

Books and Book Chapters
Klein, C., Gaines, K., Brettmann, K., Anderson-Guerrero, M., Colwell, M., & **Monsur, M.** (2021). Outdoor Learning Environments Play Settings Notebook. Texas Tech University.

Klein, C., Gaines, K., Brettmann, K., Anderson-Guerrero, M., Colwell, M., & **Monsur, M.** (2021). Outdoor Learning Environments Workshop Kit. Texas Tech University.

Monsur, M. (2020) "Turning the Classroom Inside Out." *Place, Pedagogy and Play: Participation, Design, and Research with Children.* Ed. Dr. Matluba Khan, Dr. Jenny Wood, and Dr. Simon Bell. Routledge, Taylor & Francis.

Monsur, M. (2019) "Learning in a Challenging Context". *Aspirations and Ideas: Designing with Context Paperback*. Ed. Ar. Saimum Kabir and Dr. Zakiul Islam. The University Press Limited, Dhaka.

Dissertation/Thesis
Monsur, M. (2015) Does Child Care Architecture Matter? Investigating how Indoor-Outdoor Spatial Relations Influence Child Engagement and Teacher Motivation. (Ph.D. Dissertation), North Carolina State University, NCSU Institutional Repository. http://repository.lib.ncsu.edu/ir/handle/1840.16/10040

Monsur, M. (2011) Impact of Street Design on Children's Independent Mobility in Dhaka. (M. Arch. Thesis), Bangladesh University of Engineering and Technology (BUET) http://lib.buet.ac.bd:8080/xmlui/handle/123456789/3051

Conference papers (peer-reviewed)
Monsur, M. (2014) GIS for Architects, ARCC 2014, Hawaii, Proceeding of the Annual Conference of the Architectural Research Centers Consortium: ARCC/EAAE 2014, 48-56

Monsur, M. (2013) Transitional Space and Preschool Children's Play & Learning Behavior in Childcare Environment, ARCC 2013 Charlotte, NC Proceeding of the Annual Conference of the Architectural Research Centers Consortium: The Visibility of Research, 386-393

Monsur, M. and Islam, Z. (2012) Impact of Street Design on Children's Independent Mobility, EDRA 43 Seattle: Emergent Place-Making: Proceedings of the 43rd Annual Conference of the Environmental Design Research Association, 82-88

Patent
Cosco, N., **Monsur, M.**, Moore, R. C., Hestenes, L., Sumrell, J., & Moore, L. (2017). Method and System for Assessing Play Value of a Playground. https://www.google.com/patents/US20170200100

j) Presentations and Invited Talks
Monsur, M., Sullivan, W., Cosco, N., Brink, L., Klein, C. (2021) Federal Grants for Advancing Landscape Architecture: Realities, Challenges, and Possibilities, CELA 2021 Annual Conference (Selected for Panel Presentation)

Monsur, M., Bernard, E., Phillips, D. (2021) Interactive Virtual Tours: An Inclusive Alternative Solution for Site Visits in Landscape Education During the Time of Social Distancing, CELA 2021 Annual Conference (Selected for Panel Presentation)

Dane, R., **Monsur, M.** (2021) Impact of Built Environment on Learning Behaviors: A Comprehensive Review of the Past 20 Years (2000 – 2020), EDRA52 Detroit Virtual Conference (Selected for Abstract Presentation)

Klein, C., **Monsur, M.**, Gaines, K., Colwell, M., (2020) Promoting Child Development, Inclusion, and Health Through Natural Learning, Excellence in Engaged Scholarship Webinars, University Outreach and Engagement Webinar Series 2020, Texas Tech University

Cosco, N., **Monsur, M.** (2019) Promoting Healthy Behavioral Outcomes in Childcare Centers Through Hands-on Fruit and Vegetable (FV) Gardening, EDRA50 Sustainable Urban Environments: Research, Design, and Planning for the Next 50 Years, Brooklyn, NY

Monsur, M., Moore, R., Cosco, N. (2018) Transitional play: Exploring the play value of classroom indoor-outdoor relationship of space, US Play Coalition Annual Conference, Clemson, April 2018.

Monsur, M., Moore, R., Cosco, N. (2016) Outdoor Classroom Intervention to Promote Early Childhood STEM Learning Activities. EDRA47 Raleigh, June 2016.

Monsur, M., Islam, Z., and Khan, M. (2013) How Environment Shapes Our Children: The Relationship Between Children's Behavior and Physical Characteristics of the Environment in the 4th Annual Conference of Distressed Children and Infants International (DCI), Yale University, New Haven, Connecticut

Poster Presentation

Trina, S., **Monsur, M.** (2022) The Play Value of Plants: Altering parts of plants as Loose part play materials in Early Childhood Learning Landscapes, in Council of Educators in Landscape Architecture (CELA) Conference Proceeding, Santa Ana Pueblo, NM.

Andalib, S., **Monsur, M.** (2022) Developmentally Appropriate Playgrounds: Linking Children's Developmental Domains to Landscape Design Decisions. Abstract in Council of Educators in Landscape Architecture (CELA) Conference Proceeding, Santa Ana Pueblo, NM.

Monsur, M., Delcambre, C. (2019) Immersive Virtual Reality (VR) Technology to Teach Construction, Materials, and Methods in Landscape Architecture, CELA, Sacramento, March 2019

Monsur, M. (2014) Measuring Indoor-Outdoor Spatial Relationship in Preschool Classroom Environment, EDRA45 New Orleans, June 2014

Monsur, M., Islam, Z., Khan, M. (2014) Environment Design Research in the Context of Bangladesh: Challenges, Realities and Potentials, EDRA45 New Orleans, June 2014

Monsur, M. (2014) How Indoor-Outdoor Spatial Relations Influence Teaching and Learning in Preschool Classrooms, Graduate Education Day, NC General Assembly, nominated presenter by the Graduate School, NC State University

Workshops

Monsur, M. (2020) Indoor-Outdoor Space: How Childcare Landscape Design Can Integrate with Classroom Architecture to Enhance Children's Learning Experience. West Texas Section CEPH Workshop, ASLA Texas.

Monsur, M., Moore, R. (2019) Cloud-Based Behavior Mapping: Exploring Latest Online GIS Technologies for Mapping Environment-Behavior Relationships, EDRA50 Sustainable Urban Environments: Research, Design, and Planning for the Next 50 Years, Brooklyn, NY

k) Media Coverages

- [CASNR team develops interactive virtual tours utilizing 3D camera technology](#)
- [Monsur joins Institute for Inclusive Excellence Program](#)
- [Researchers study hands-on gardening's role in preventing preschool obesity](#)
- [Rethinking Dhaka's Urbanism: A Child's World in a Manmade City](#)
  [Landscape Architecture Class Creates Recycled-Material Playscapes for CDRC](#)
- [Landscape Architecture Students Venture Outside While Staying Inside](#)
  [LA faculty recognized in President's Emerging Engaged Scholarship Award](#)
- [Confirming Commitment to Online Course Quality](#)

- [A Work in Progress: Immersive VR Environment for LAR 457](#)
- [2017-2018 University Teaching Awards Presented | Provost | NC State University](#)
- [Turning the Classroom Inside Out](#)