

FACULTY VITAE – MD JOBAIR BIN ALAM

1. **Name:** Md Jobair Bin Alam
Academic Rank: Assistant Professor
2. **Education & Degree** (degree, discipline, institution, year)

Ph.D. Civil Engineering, University of Texas at Arlington, Texas	2017
B.S. Civil Engineering, Bangladesh University of Engineering and Technology	2011
3. **Academic Experience** (Period, institution, rank)

2019 – Present	Prairie View A&M University,	Assistant Professor
2017 – 2019	University of Texas at Arlington,	Post-Doctoral Research Associate
4. **Non-academic Experience**

02/2020 – 08/2020	Staff Engineer, Terra Testing, LLC
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5. **Certification and professional registrations**
 - Texas Board of Professional Engineers License: # 138173
6. **Current Membership in Professional Organizations:**
 - Member (M), American Society of Civil Engineers (ASCE) (#10406672)
 - Member, Unsaturated Soil Committee, ASCE
 - Member, Geophysical Engineering Committee, ASCE
 - Member, Foundation Performance Association (FPA)
 - Member, Fabricated Geomembrane Institute (FGI)
7. **Honors & Awards**
 - 1st Place Award in Solid Waste Association of North America's (SWANA) 'National Solid Waste Design Competition', 2016
8. **Service Activities** (within and outside of the institution)

• Advisor, ASCE Student Chapter of PVAMU	2020-present
• Associate Advisor, ASCE Student Chapter of PVAMU	2020-present
• Freshman Advisor of CEE	2019-present
• COE Dean's Executive Committee	2020-present
9. **Selected Publications and Presentations**
 - Alam, M. J. B., Rahman, N., Seraj, F., & Hossain, M. S. Monitoring and Evaluation of Evapotranspiration of Water Balance Cover. In IFCEE 2021 (pp. 169-178).
 - Alam, M. J. B., Rahman, N., Bhandari, P., & Hossain, M. S. Behavior of Unsaturated Hydraulic Conductivity of Water Balance Cover Measured through Field Instrumentation. In IFCEE 2021 (pp. 330-338).
 - Alam, M. J. B., Ahmed, A., Islam, M. A., Rahman, N., & Hossain, M. S. (2021). Field monitoring and model predicted water balance of monolithic cover. In MATEC Web of Conferences (Vol. 337, p. 04009). EDP Sciences.

- Alam, M. J. B., Ahmed, A., Hossain, M. S., & Rahman, N. (2021). Estimation of percolation of water balance cover using field scale unsaturated soil parameter. In MATEC Web of Conferences (Vol. 337, p. 04005). EDP Sciences.
- Ahmed, A., Alam, M. J. B., Pandey, P., & Hossain, M. S. (2021). Estimation of unsaturated flow parameters and hysteresis curve from field instrumentation. In MATEC Web of Conferences (Vol. 337, p. 01008). EDP Sciences.
- Ahmed, A., Alam, M. J. B., Islam, M. A., & Hossain, M. S. (2021). Comparison of numerical modeling results from laboratory and field obtained unsaturated flow parameters. In MATEC Web of Conferences (Vol. 337, p. 02008). EDP Sciences.
- Alam, M. J. B., Sarker, L., Sapkota, A., Ahmed, R., & Hossain, M. S. (2020, February). Evaluation of Soil Water Storage (SWS) of Evapotranspiration Cover through Geophysical Investigation. In Geo-Congress 2020: Modeling, Geomaterials, and Site Characterization (pp. 444-453). Reston, VA: American Society of Civil Engineers.
- Alam, M. J. B., DeVries, B., Rahman, N., & Hossain, M. S. (2019, March). Field Hydrologic Performance of Water Balance Cover in North Texas. In Geo-Congress 2019: Geoenvironmental Engineering and Sustainability (pp. 95-104). Reston, VA: American Society of Civil Engineers.
- Alam, M. J. B., & Hossain, M. S. (2019, March). Evaluation of Post-Construction Changes in Soil Hydraulic Properties through Field Instrumentation and In Situ Testing. In Geo-Congress 2019: Geotechnical Materials, Modeling, and Testing (pp. 722-732). Reston, VA: American Society of Civil Engineers.
- Alam, M. J. B., Hossain, M. S., Sarkar, L., & Rahman, N. (2019, March). Evaluation of Field Scale Unsaturated Soil Behavior of Landfill Cover through Geophysical Testing and Instrumentation. In Geo-Congress 2019: Geoenvironmental Engineering and Sustainability (pp. 1-11). Reston, VA: American Society of Civil Engineers.
- Hoyos, L., Alam, M. J. B., Hossain, M. S., & Haney, B. (2019, March). Monitoring Seasonal Variation of Soil Hydraulic Conductivity of Evapotranspiration (ET) Cover. In Geo-Congress 2019: Geoenvironmental Engineering and Sustainability (pp. 72-81). Reston, VA: American Society of Civil Engineers.
- Bin Alam, M. J., Hossain, M. S., Ahmed, A., & Khan, M. S. (2017). Comparison of Percolation of Flat and Slope Section Vegetated Lysimeters Using Field Soil Water Characteristic Curve. In PanAm Unsaturated Soils 2017 (pp. 28-37).
- Ahmed, A., Hossain, M. S., Bin Alam, M. J., & Khan, M. S. (2017). Moisture and Matric Suction Behavior in Unsaturated Subgrade through Field Instrumentation and Numerical Modeling. In PanAm Unsaturated Soils 2017 (pp. 226-235).

10. Brief List of Most Recent Professional Development Activities

- Reviewer For: Geotechnical and Geological Engineering
- Reviewer For: American Society of Civil Engineers' Geo-Institute (G-I)-Special Publication
- Invited Talk, ASCE Civil Engineering Conference (CECON), Nov 4 - 6, 2020, San Marcos, TX (Virtual).
- Invited Talk, ASCE Civil Engineering Conference (CECON), Sep 15 - 17, 2021, San Marcos, TX.