



Curriculum Vitae

Faculty Name: Md Jobair Bin Alam, Ph.D. P.E. **Work Address:** P.O. Box 519; MS 2510
 Prairie View, TX 77446
Position Title: Assistant Professor
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Education:	Degree and Area of Study	Institution Name	Degree Date
	Bachelor of Science in Civil Engineering (Environmental Engineering)	Bangladesh University of Engineering & Technology	February 2011
	Doctor of Philosophy in Civil Engineering (Geotechnical Engineering)	University of Texas at Arlington	December 2017

Teaching Experience	Position Title	Institution Name	Position Dates
	Teaching Assistant	University of Texas at Arlington	September 2016-December 2016
	Adjunct Professor	University of Texas at Arlington	January 2018-May 2018
	Adjunct Professor	University of Texas at Arlington	September 2018-December 2018
	Adjunct Professor	University of Texas at Arlington	January 2019-May 2019
	Assistant Professor	Prairie View A&M University	September 2019-Present

Professional Publications: 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).

**Additional
Trainings/Skills:**

Geotechnical Software: gINT (Bentley Product), GeoSlope, GSTABL, Driven, PLAXIS, Slide

Field Testing: Electrical Resistivity Imaging (ERI), Geogauge, Dynamic Cone Penetrometer (DCP), Sonic Echo/Impulse Response (SE/IR), Nuclear Density Gauge (NDG), Sand Cone Test, Boutwell Permeameter, Guelph Permeameter (GP)

Field Instrumentation: Sensors (Moisture, Suction, Temperature), Pressure Cell, Inclinometer, Weather Station, ET Gauge, Solar Panel

Landfill Monitoring: Gas Volume, Gas Composition, Leachate Volume and Recirculation, Fugitive Emission, Laboratory Testing of MSW (Characterization, Hydraulic and Strength Properties), Laboratory-scale Landfill Simulation, Waste Containment System Monitoring

Others: Microsoft Office, AutoCAD Civil 3D, Statistical Package for Social Survey (SPSS), LandGEM, SimaPro, ImageJ.