

Curriculum Vitae

Faik Cuceoglu, M.SC.

*General Directorate of State Hydraulic Works
Dams & HEPPs Department • Ankara, TURKEY
Phone: +90 (553) 854-7201 • E-mail: faikc@dsi.gov.tr*

Education	Ph.D. in Geotechnical Engineering , September 2019 - cont'd. Middle East Technical University (METU), Ankara, Turkey
	M.Sc. in Geotechnical Engineering , graduated August 2016 Virginia Polytechnic Institute & State University (VT), Blacksburg, VA, USA
	B.Sc. in Civil Engineering , graduated June 2012 Anadolu University, Eskisehir, Turkey
Google Scholar/ ORCID	https://scholar.google.com/citations?hl=tr&user=Q-VuL9UAAAAJ
	https://orcid.org/0000-0003-0715-4136
Experience	Assessment of Ataturk Dam Safety and Stability (2017- cont'd.) In 2016, the monitoring and measurement instruments of Ataturk Dam are modernized and expanded, the stability and safety of Ataturk Dam is assessed with more input data.
	Çıkrikçı Dam, Edirne, Turkey (2017) Responsibilities includes dam type selection, site selection, overall design concepts, investigations & design studies, calculate building quantity & cost estimation.
	Gölecik Dam, Bursa, Turkey (2018) The geometry of RCC dam proposed at planning stage is revised due to the weak foundation parameters in consequence of comprehensive geotechnical investigation at construction site.
	Melen Dam, Düzce, Turkey (2019) After the investigation of unexpected behavior of 124 m high Roller Compacted Concrete (RCC) gravity dam, a revision project is developed to strengthen the existing RCC dam.
	Değirmençay Dam, Mersin, Turkey (2020) The inclined clay core upstream and downstream cofferdams proposed at final design are re-evaluated due to the insufficient clay material, and then less expensive shotcrete + wire mesh face rockfill type is developed.
	Uludere Dam, Şırnak, Turkey (2020) About 100 lt/s water leakage is noted in Uludere Dam after the water retention, the locations of leakage are recorded, afterwards an additional injection project is developed to prevent water leakage.
	Pirinççi Dam, İstanbul, Turkey (2020) Responsibilities includes dam type selection, site selection, overall design concepts, directing investigations & design studies, calculate building quantity & cost estimation.

Research	M.SC. Thesis, Virginia Polytechnic Institute and State University (VT), 2014-2016 Investigated the Soil Water Characteristic Curves (SWCC) and the Hydraulic Conductivity Functions (HCF) of unsaturated soils (from clay-dominated to granular) at different initial dry densities and molding water contents.
	Graduate Research, Virginia Polytechnic Institute and State University (VT), 2014-2016 Developed a modified thermo-mechanical triaxial device to examine the effect of temperature changes on soil behavior such as shear strength, volumetric strain, pore pressure and preconsolidation pressure.
	Graduate Research, Virginia Polytechnic Institute and State University (VT), 2014-2016 Measured volume change in compacted quartzitic Ottawa sand during saturation, consolidation, and shearing stages at CU (Consolidated-Undrained) and CD (Consolidated-Drain) triaxial tests.
	PhD Dissertation, Middle East Technical University (METU), 2019 - cont'd. The series of numerical analyses results are going to be calibrated with monitored responses available in the literature to assess seismic performance of earth and rockfill dams.

Related Courses	Soil Behavior	Advanced Soil Testing
	Seepage & Earth Structures	Foundation Design I & II
	Tunnel Construction & Design	Soil & Site Improvement
	Geotechnical Earthquake Eng.	Advanced Soil Mechanics I & II
	FE Applications in Geotechnical Eng.	Numerical Modeling in Geomechanics

Computer Skills	Rocscience RS2 / Slide / Settle3	Midas GTS NX
	Matlab	ANSYS/ABAQUS (Geotechnical Focus)

Publications	Nicholson, D., Smith, P., Bowers, G. A., Cuceoglu, F., Olgun, C. G., McCartney, J. S., ... & Loveridge, F. A. (2014). Environmental impact calculations, life cycle cost analysis. <i>DFI Journal-The Journal of the Deep Foundations Institute</i> , 8(2), 130-146.
	Cuceoglu, F. (2016). An experimental study on soil water characteristics and hydraulic conductivity of compacted soils (Master Thesis, Virginia Tech).
	Akinola, A. I., Wynn-Thompson, T., Olgun, C. G., Cuceoglu, F., & Mostaghimi, S. (2018). Influence of sample holding time on the fluvial erosion of remolded cohesive soils. <i>Journal of Hydraulic Engineering</i> , 144(8), 04018049.
	Çetin, K. O., Cakir, E., Ilgac, M., Can, G., Soylemez, B., Elsaid, A., Cuceoglu, F., Gulerce, Z., Askan, A., Aydin, S., Gor, M. (2020) Reconnaissance Findings after 2020 January 24th, Sivrice-Elazig-Turkey Earthquake (Mw=6.8). <i>Bulletion of Earthquake Engineering</i> . (In Review)