



Name: Dr. Muhannad Ismeik
Rank : Associate Professor – Civil Engineering

Personal Information

Nationality:	Jordanian
ACK Joining Date:	17 Aug 2014
E-Mail Address:	m.ismeik@ack.edu.kw

Professional Information

Education:	Ph.D., Civil Engineering 1996 Bosphorus University (American Robert College) Istanbul Turkey
Specialization:	Geotechnical Engineering
Current Academic Position:	Associate Professor
Current Professional Positions:	Journal Reviewer • Geotechnical Testing Journal (ASTM International) • Geosynthetics International (Thomas Telford) • Geomechanics and Geoengineering (Taylor & Francis) • Soils and Foundations (Elsevier) • Marine Georesources and Geotechnology (Taylor & Francis) • Geomechanics and Engineering (Techno-press)
Previous Administrative Position Held:	N/A
Previous Academic Positions Held:	Assistant Professor
Fellowships And Honors:	– MSU Fellowship, Montana State University, Montana, US 1996 - 1999 – ASAI Scholarship, Arab Student Aid International, New Jersey, US 1995 -1997 – PhD First Class Honors, Bosphorus University 1996
Teaching Experience:	– Engineering project (PBL) – Engineering skills (PBL) – Engineering design and management planning (PBL) – Technology project planning (PBL) – Technology project implementation (PBL)

	– Basics of geotechnical engineering – Geotechnical engineering – Foundation engineering – Earth retaining structures – Geosynthetics engineering – Seepage and slope stability analysis
Industrial And Technical Experience:	N/A
Research Interest:	Ground improvement, slope stability, applications of geosynthetics, seismic analysis.
Research Grants:	Sustainable Low-Cost Materials for Hydrocarbon Contaminated Soil Bioremediation. Kuwait Foundation for the Advancement of Science (KFAS), Proposal under review, KD14000, 2021. (PI: M. Ismeik and Z. Abunada)
Research and Selected Publications including Journals and Books:	Ismeik, M., Shaqour, F. & Hasan, S.E. Geotechnical evaluation of clayey soils amended with cement kiln dust during freeze-thaw cycling. Arabian Journal of Geosciences, Vol. 14, No. 2023, 2021. Ismeik, M. Simplified solutions for computing consolidation settlement of foundations embedded in a compressible finite stratum. Arabian Journal of Geosciences. Vol. 13, No. 14, P. 636, 2020. Ismeik, M. and Ahmed, T. Prediction of geotechnical properties of lime-stabilized soils: Ongoing research and preliminary results. Proceeding of the Third GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures: Advancements in Unsaturated Soil Mechanics. November 10-14, 2019, Cairo, Egypt. Chapter 12, pp. 150-157. Edited by Laureano Hoyos and Hany Shehata, Springer, New York, US, 2020. DOI: 10.1007/978-3-030-34206-7_12. Ismeik, M., and Shaqour, F. Effectiveness of lime in stabilizing fine-grained soils subjected to freeze-thaw cycles. Road Materials and Pavement Design. Vol. 21, No. 1, pp. 42-60, 2020. Ashteyat, A. M., and Ismeik, M. Predicting residual compressive strength of self-compacted concrete under various temperatures and relative humidity conditions by artificial neural networks. Computers and Concrete. Vol. 21, No. 1, pp. 47-54, 2018. Shaqour, F., and Ismeik, M. Alkali-activation of natural clay using Ca(OH)₂/Na₂CO₃ alkaline mixture. Clay Minerals. Vol. 52, No. 4, pp.485-496, 2017. Ismeik, M., Al-Kaisy, A., and Al-Ansari, K. Perceived risk of phoning while driving: A case study from Jordan. Safety Science. Vol. 78, pp. 1-10, 2015.

	Ismeik, M., and Shaqour, F. Seismic lateral earth pressure analysis of retaining walls. <i>Geomechanics and Engineering</i>. Vol. 8, No. 4, pp. 523-540, 2015. Ismeik, M., and Al-Rawi, O. Modeling soil specific surface area with artificial neural networks. <i>ASTM Geotechnical Testing Journal</i>. Vol. 37, No. 4, pp. 678-688, 2014. Ashteyat, A. M., Haddad, R. H., and Ismeik, M. Prediction of mechanical properties of post-heated self-compacting concrete using nondestructive tests. <i>European Journal of Environmental and Civil Engineering</i>. Vol. 18, No. 1, pp. 1-10, 2014. Ismeik, M., Ashteyat, A. M., and Ramadan, K. Z. Stabilisation of fine-grained soils with saline water. <i>European Journal of Environmental and Civil Engineering</i>. Vol. 17, No. 1, pp. 32-45, 2013. (Honored by Taylor & Francis among the most read articles with 483 views) Ismeik, M. Stress increment solution charts for soil consolidation analysis. <i>Global Journal of Researches in Engineering</i>. Vol. 12, No. 4, pp. 13-17, 2012. Ismeik, M. Practical evaluation of induced stress for calculation of consolidation settlement of soil. <i>Soil Mechanics and Foundation Engineering</i>. Vol. 49, No. 3, pp. 93-98, 2012. Ashteyat, A. M., Ismeik, M., and Ramadan, K. Z. Strength development models of concrete with silica fume as fine aggregate replacement material. <i>Global Journal of Researches in Engineering</i>. Vol. 12, No. 2, pp. 27-31, 2012. Ismeik, M., and Al-Kaisy, A. Characterization of cell phone use while driving in Jordan. <i>Transport</i>. Vol. 25, No. 3, pp. 252-261, 2010. (Honored and presented at the Transportation Research Board 90th annual meeting, January 2011, Paper: 11-3301) Ismeik, M., Jew, B., and Abbas, N. Development of driver behavior's accident prediction models. <i>International Journal of Natural and Engineering Sciences</i>. Vol. 4, No. 3, pp. 61-70, 2010. Ismeik, M. Environmental enhancement through utilization of silica fume as a partial replacement of fine aggregate in concrete. <i>Journal of Civil Engineering Research and Practice</i>. Vol. 7, No. 2, pp. 11-21, 2010. Ismeik, M. Effect of mineral admixtures on mechanical properties of high strength concrete made with locally available materials. <i>Jordan Journal of Civil Engineering</i>. Vol. 3, No. 1, pp. 78-90, 2009.
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Paper Presentations at Professional Conferences:	• Third Project Based Learning (PBL) Symposium: Motivation and Creativity in the Classroom. Australian College of Kuwait, Mishref, Kuwait, March 21, 2018. • Second Project Based Learning (PBL) Symposium: Reshaping the Teaching and Learning Experience. Australian College of Kuwait, Mishref, Kuwait, March 5, 2017. • First Project Based Learning (PBL) Symposium: Preparing Students for the Workplace March 13, 2016, Mishref, Kuwait • International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART 2015) November 23-25, 2015, Mishref, Kuwait • Sixth Jordan International Civil Engineering Conference March 10-12, 2015, Amman, Jordan. • International Conference of Civil Engineering for Sustainability and Resilience April 24-27, 2014, Amman, Jordan. • Fourth Jordan International Conference and Exhibition for Roads and Transport March 12-13, 2014, Amman, Jordan. • Fifth Jordan International Civil Engineering Conference January 17-19, 2012, Amman, Jordan. • Second Zarqa Science and Engineering Conference November 24-25, 2010, Zarqa, Jordan. • Ninth International Congress on Advances in Civil Engineering September 27-30, 2010, Trapzon, Turkey. • Fifth Jordan International Conference on Traffic Safety April 22-24, 2008, Amman, Jordan. • Twenty Fourth Engineering Education Conference May 14-16, 2007, Amman, Jordan. • International Conference on Decision Making in the Transport Sector March 26-28, 2007, Amman, Jordan. • Fourth Jordan International Civil Engineering Conference April 10-12, 2006, Amman, Jordan. • Fourth Jordan International Conference on Traffic Safety May 22-24, 2005, Amman, Jordan.
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	• International Conference on Sustainable Development of Transportation Systems April 13-15, 2004, Amman, Jordan. • Third Jordanian Civil Engineering Conference October 29-31, 2001, Amman, Jordan. • Civil Engineering Researches and Studies Conference November 12-13, 2000, Amman, Jordan. • Fourth International Congress on Advances in Civil Engineering November 1-3, 2000, Famagusta, Cyprus. • Sixth International Conference on Geosynthetics March 25-29, 1998, Atlanta, Georgia, US. • Thirty Second Symposium on Engineering Geology and Geotechnical Engineering March 26-28, 1997, Boise, Idaho, US. • International Symposium on Mechanically Stabilized Backfill February 6-8, 1997, Denver, Colorado, US. • Transportation Research Board, Seventy Sixth Annual Meeting January 12-16, 1997, Washington, District of Columbia, US.
College Service including committee Membership:	Research & Faculty Development committee Auditing & Quality Management committee
National Service:	N/A
School Committees:	Curriculum committee Credit transfer committee PBL committee Research and faculty development committee