

CURRICULUM VITAE

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President of Sudanese Society of Soil Mechanics & Geotechnical Engineering (SSSMGE).

Chairman of ESD, Civil Engineering Consulting Company.

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Publications

i. Refereed Publications

1. "Consolidation and Strength Properties of a Clay", (with Wu and Chang), J. Geotech. Eng. Div. ASCE, July 1978.
2. "Statistical Representation of Joint Roughness", (with Wu), International Journal of Rock Mechanics, Mining Science and Geomechanics Abstracts, London, October 1978.
3. "Stochastic Model of flow through Stratified Soils", (with Wu and Chang), Canadian Geotech. Eng. Div. ASCE, June 1980.
4. "Plastic Deformation of an Embankment on Clay", (with Wu and Hsu), Canadian Geotech. J. 1983.
5. "Construction on Expansive Soils in Sudan", (with Charlie and Osman), J. Constr. Eng. And Management Div. ASCE, Sept. 1984.
6. "Statistical Modeling of Sudanese Expansive Clay Properties", (with Abbadi) Sudanese Eng. Soc. J. 1988.
7. "Reliability Analysis of short Pile Foundation in Expansive Soils", (with Abbadi) Sudanese Eng. Soc. J. 1988.
8. "Soil profiles and Analysis in Sudan", (with El Rayes and Osman), BR Digest No. 10 (3 parts), Sept. 1973, National Building Research Station, Sudan.
9. "Technical Note on Probabilistic Analysis of Pile Foundation in Expansive Soils", (with Abbadi) Civil Engineering Systems, 1988.
10. "Microfabric Features Associated with Swelling Clays (with Dafalla) Australian Geomechanics, June 1987.
11. "Characterization & Mapping of Heterogeneous Coralline Red Sea Deposits" (With Osman), Building & Road Research Journal ,Jan.1997 .
12. "Field Measurement of Shear Modulus of Hard Clays" (With Osman and AbuElhassan) , Journal of Building & Road Research ,July 2012 ..
13. "Comparison Between Dynamic and Static Pile Load Testing " (With Osman and Elhaj), EJGE Vol.18[2013], Bund.Q.

14. "Codes of Practice for Geotechnical Engineering: Site Investigations (SI)", Journal of BRRI Vol.16, Aug. 2014.
15. "A Study on Geotechnical Properties of Weak Rocks in Sudan "(With Osman and Elhaj), Journal of BRRI Vol.17, Dec. 2014.
16. "Shoring for Deep Excavation in Urban Khartoum, Sudan"(With Osman & Mohamed E. M. Ali), International Journal of Emerging Technology & Advanced Engineering, Vol.6, Issue 1, Jan. 2016.

ii. Conference Publications

1. "Improved Techniques for Flow of liquids through Hazardous Waste Landfills", (with Moore), 7th Annual SHWRD Research Symposium on Land Disposal: Hazardous Waste, Sponsored by the U.S. WPA, Philadelphia, March 1981.
2. "Statistical Analysis of Uncertainties in Flow of Liquids through Hazardous Waste Landfills", (with Moore), 8th Annual SHWR Research Symposium on Land Disposal: Hazardous Waste Sponsored by the U.S. WPA, Cincinnati, March 1982.
3. "Permeability of Cracked Clay Liners", (with Moore), 8th Annual SHWR Research Symposium on Land Disposal: Hazardous Waste Sponsored by the U.S. WPA, Cincinnati, March 1982.
4. "Comparison of Two Methods for the Measurement of Swelling Pressures", (with Elturabi), 5th International Conference, Sudan, December 1984.
5. "The Prediction of heave in Expansive Clays", (with Elturabi), First National Engineering Conference, Sudan, December 1984.
6. "Performance of Grade-beams on Expansive Soils: A Case-study", (with Fadl and Mohammed), First National Engineering Conference, Sudan, Dec. 1984.
7. "Decision Methodology Applied to Design of Foundations on Expansive Soils", CIB 86 Proc. of the 10th Technical Congress of the International Council for Building Research, Studies and Documentation. Washington Dc. Sept. 1986.
8. "River Bank Erosion Upstream and Downstream of the Blue Nile Bridge", (with Osman), Proc. Intl. Conf. on Water Resources Needs and Planning in Drought Prone Areas, Khartoum, Dec. 1987.
9. "First Order Second Moment Reliability Analysis of Short Piles in Expansive Soils", (with Elhussein) Int. Conf. on Structural Failures, Singapore, March 1987.
10. "Probabilistic Design of Foundations on Expansive Soils", Second Arab Struct. Engineering Conf. Amman, Jordan, April 1987.
11. "Probabilistic Analysis of Foundations on Expansive Soils", 5th Int. Conf. on Appli. Of Statistics and Prob. In Soil and Struct. Eng. (ISCASP5) Vancouver, Canada, May 1987.
12. "Design of Short Piles in Expansive Soils Probabilistic Approach" (with Abbadi) 9th African Regional Conference (ISSMFE), September 1987.
13. "Probabilistic Methods in Expansive Soils: A Review Paper" 6th Int. Conf. on Expansive Soils, New Delhi, India, Dec. 1987.

- 14.** "Reliability Analysis of Foundation in Expansive Soils", (with Elhussein) 6th Int. Conf. on Expansive Soils, New Delhi, Dec. 1987.
- 15.** "Performance of Grade-Beams on Expansive Soils"(With Fadl),First National Conference Science and Technology of Building 8-14Dec.1984,Khartoum.
- 16.** "The Prediction of Heave in Expansive CLAY ", First National Conference Science and Technology of Building 8-14Dec.1984,Khartoum.
- 17.** "Use of In-situ Tests for Evaluation of Shear Modulus for Hard Clays in Sudan" (With Osman & Abuelhassan), 3rd International Conference on New Development in Soil Mechanics & Geotechnical Engineering, Near East University, Nicosia, North Cyprus, 28-30 June 2012 .
- 18.** "An Experimental Study on the Identification and Classification of Collapse Potential of Some Soils in Sudan" (With Osman), Innovative Geotechnics for Africa – Bouassida, Khemakhem & Haffoudhi (Eds.) 2015.
- 19.** " Use of Menard Pressure Meter for the Characterization of Nubian Sandstone of Sudan", International Symposium, 60 years of pressuremeters, Tunisia, Hammamet 1-2 May 2015.