

## REFERENCES

- Akis, E. (2009). The effect of group behavior on the pull-out capacity of soil nails in high plastic clay. PhD Thesis. Middle East Technical University.
- Ann, T., Hai, O. & Lum, C. (2004). Simulation of soil nail's dynamic pullout response. *Plaxis Bulletin Issue*, 15, 10-12.
- Babu, G.L.S. & Singh, V.P. (2009). Stimulation of soil nail structures using PLAXIS 2D. *Plaxis Bulletin*, spring issue, 16-21.
- Barbour, S.L. (1999). Nineteenth Canadian Geotechnical Colloquium: The soil-water characteristic curve - A historical perspective. *Canadian Geotechnical Journal*, 35, 873-894.
- Barley A.D., Bridle R.J. & Davies M.C.R. (1996). Experience with Soil Nailing in Brazil: 1970-1974, *Proc. of the Institution of Civil Engineers-Geotechnical Engineering*, 119(4), 238-240
- Barley, A.D., Davies, M.C.R. & Jones, A.M. (1997). Review of current methods for soil nailing. *Ground improvement geosystems densification and reinforcement*, London, 477-486.
- Brinkgreve, R.B.J, Engin, E. & Swolfs, W.M. (2012). Plaxis 2D 2012 user manual. Delft, Netherlands: Plaxis bv.
- Chu, L.-M., & Yin, J.-H. (2005). Comparison of interface shear strength of soil nails measured by both direct shear box tests and pullout tests. *J. Geotech. Geoenviron. Eng.*, 131(9), 1097–1107.
- Dilanthi, H.P.W. , Kulathilaka, S.A.S. & Vasanthan, N. (2018), Shear Strength and Permeability Characteristics of Some SriLankan Residual Soils, *The 7th International Conference on Unsaturated Soils*, Hong kong.
- DS415. (1984). The Danish code of practice for foundation engineering. Danish Society of Civil Engineering.
- Fan C.C. & Luo J.H. (2008). Numerical Study on the Optimum Layout of Soil-nailed Slopes, *Computers and Geotechnics*, (35)4, 585-599.
- FHWA. (1993). Recommendations clouterre 1991 (English translation). Report on the French national research project clouterre, FHWA-SA-93-026. Federal Highway Administration, Washington, DC.
- Franzen, G., & Jendeby, L. (2001). Prediction of pullout capacity of soil nails. *Proc., 15th Int. Conf. on Soil Mechanics and Geotechnical Engineering*, 3, Balkema, Rotterdam, The Netherlands, 1743–1748.

Fredlund, D. G., & Rahardjo, H. (1993). *Soil mechanics for unsaturated soils*, Wiley, New York.

Frydman, S. & Shaham, I.(1989). Pullout capacity of slab anchors in sand. *Canadian Geotechnical Journal* , 26(3), 385-400.

Gangani, V.G.D.(2017), Compressibility Characteristics of Residual Soil, *2017 Project day*, SriLankan Geotechnical Society, 5-8.

Garven, E.A. & Vanapalli, S.K. (2006). Evaluation of empirical procedures for predicting the shear strength of unsaturated soils. *Proceedings of 4th International Conference on Unsaturated Soils*, April 2 - 6 , 2006, Arizona, USA, 2570-2581

Gupta, A.K. & Rawat, S. (2017). Numerical modelling of pullout helical soil nail. *Journal of Rock Mechanics and Geotechnical Engineering* ,648-658.

HA68/94. (1994). Design methods for the reinforcement of highway slopes by reinforced soil and soil nailing technique. Road Authorities in England, Welsh, Scotland and Northern Ireland

Heymann, G., Rhode, A. W., Schwartz, K., & Friedlaender, E. (1992). Soil nail pullout resistance in residual soils. *Proc., Int. Symp. On Earth Reinforcement Practice*, 1, 487–492.

Hossain, M. A., & Yin, J.-H. (2010a). Behavior of a compacted completely decomposed granite soil from suction controlled direct shear tests. *J. Geotech. Geoenvir. Eng.*, 189–198,10.1061/(ASCE)GT.1943-5606.0000189.

Hossain, M. A., & Yin, J.-H. (2014). Behavior of a pressure-grouted soilcement interface in direct shear tests. *Int. J. Geomech.*, 101–109, 10.1061/(ASCE) GM.1943-5622.0000301.

Hossain, M.A. & Yin, J.-H. (2012). Influence of Grouting Pressure on the Behavior of an Unsaturated Soil-Cement Interface, *Journal of geotechnical and geoenvironmental engineering* ,138, 193-202.

Jason Y. Wu, & Jrmin Chang .(2012). Effect of Wetting on the Pullout Resistance of Grouted Soil Nails. *Applied Mechanics and Materials*, 226-228, 1304-1307. 10.4028/www.scientific.net/AMM.226-228.1304

Jewell R.A. (1990). Review of Theoretical Models for Soil Nailing, *Proc. of the International Reinforced Soil Conference*, Glasgow, Scotland, 10-12, September, 265–275.

Jewell, R.A. & Pedley, M.J. (1992). Analysis for soil reinforcement with bending stiffness. *J.Geotech.Eng.*,118(10), 1505-1528.

- Junaideen, S.M., Tham, L.G., Law, K.T., Lee, C.F. & Yue, Z.Q. (2004). Laboratory study of soil-nail interaction in loose completely decomposed granite. *Canadian Geotechnical Journal*, 41(2), 274-286.
- Juran, I., Baudrand, G., Farrag, K. & Elias, V. (1990). Kinematical limit analysis for design of soil-nailed structures. *J. Geotech. Eng.*, 116(1), 54-72.
- Kurian, N.P. & Shah, S.J. (2009). Studies on the behaviour of screw piles by the finite element method. *Canadian Geotechnical Journal*, 46(6), 627-638.
- Liu, K.X.(2003). Numerical modelling of anchor-soil interaction. PhD Thesis. National University of Singapore.
- Lutenegger, A.J.(2009). Cylindrical shear or plate bearing? - Uplift behavior of multi-helix screw anchors in clay. In: *Contemporary topics in deep foundations: selected papers from the 2009 international foundation congress and equipment expo*. New York: American Society of Civil Engineers (ASCE), 456-463.
- Merifield, R.S.(2011). Ultimate uplift capacity of multiplate helical type anchors in clay. *Journal of Geotechnical and Geoenvironmental Engineering*, 137(7), 704-716.
- Morris, J.D.(1999). Physical and numerical modelling of grouted nails in clay. PhD Thesis. University of Oxford.
- Naresh Gurpersaud (2010). The influence of matric suction on the pull-out capacity of grouted soil nails. M.A.Sc thesis, University of Carleton.
- Ng, C. W. W. & Zhou, R. Z. B. (2005). Effects of soil suction on dilatancy of an unsaturated soil, In Proc. 16th Int. Conf. Soil Mech. Geotech. Engng, Osaka, 2, 559–562.
- Ortigao J.A.R., Palmeira E.M. & Zirlis A.C. (1995). Experiences with Soil Nailing in Brazil: 1970-1974, Proc. of the Institution of Civil Engineers Geotechnical Engineering, 113(2), 93-106.
- Palmeira E.M. & Milligan G.W.E. (1989). Scale and Other Factors Affecting the Results of Pull-out Tests of Grids Buried in Sand, *Geotechnique*, 39(3), 511-524.
- Plumelle, C., Schlosser, F., Delage, P., & and Knochenmus, G. (1990). French national research project on soil nailing: CLOUTERRE. In the Design and performance of earth retaining structures, 660-675.
- Potyondy, J.G. (1961). Skin friction between various soils and construction materials. *Geotechnique*, 11(4), 339.
- Pradhan, B. (2003). Study of the pullout behavior of soil nails in completely decomposed granite fill. M.Pill thesis, The University of Hong Kong.

Ranjan Kumara, W.E.P. & Kulathilaka, S.A.S. (2016). Study of pullout resistance of soil nails in tropical residual soils. *SriLankan Geotechnical conference*, Geotechnical engineering society of SriLanka.

Rao, S.N., Prasad, Y.V.S.N. & Shetty, M.D.(1991). The behaviour of model screw piles in cohesive soils. *Soils and Foundations*, 31(2), 35-50.

Rawat, S. & Gupta, A.K.(2016a). An experimental and analytical study of slope stability by soil nailing. *Electronic Journal of Geotechnical Engineering*, 21(17), 5577-5597.

Rawat, S. & Gupta, A.K. (2016b). Analysis of a nailed soil slope using limit equilibrium and finite element methods. *International Journal of Geosynthetics and Ground Engineering*, 2(4), 34.

Schlosser F., Jacobsen H.M. & Juran I. (1983). Soil Reinforcement, *Proc. of the 8<sup>th</sup> European Conference on Soil Mechanics and Foundation Engineering*, Helsinki, 23-26.

Schlosser F. & Guilloux A. (1979). Friction between Soil and Strips in Reinforced Earth Structures, *International Conference on Soil Reinforcement*, Paris, 1.

Su L.J., Chan C.F., Shiu Y. K., Cheung T. & Yin J.H. (2007). Influence of Degree of Saturation on Soil Nail Pull-out Resistance in Compacted Completely Decomposed Granite Fill, *Canadian Geotechnical Journal*, 44(11), 1314-1428.

Su L.J. (2006). Laboratory Pull-out Testing Study on Soil Nails in Compacted Completely Decomposed Granite Fill, Ph.D. thesis, The Hong Kong Polytechnic University.

Su, L.J., Chan, T.C.F., Shiu, Y.K., Cheung, T. & Yin, J.H. (2008). Influence of degree of saturation on soil nail pullout resistance in compacted completely decomposed granite fill. *Canadian Geotechnical Journal*, 44(11), 1314-1328.

Tan, S.A., Ooi, P.H., Park, T.S., & Cheang, W.L.(2008). Rapid pullout test of soil nail. *Journal of Geotechnical and Geoenvironmental Engineering*, 134(9), 1327-1338.

Vanapalli, S.K. & Oh, W.T. (2010). Bearing capacity of unsaturated fine-grained soils. *Journal of Geotechnical and Geoenvironmental Engineering*.

Vanapalli, S.K., Eigenbrod, K.D., Catana, C., Taylan, Oh, W.T. & Garven, E. (2010). A technique for estimating the shaft resistance of test piles in unsaturated soils. *5th International Conference on Unsaturated Soils*, Barcelona, Spain.

Yeung A.T., Cheng Y.M., Lau C.K., Mak L.M., Yu R.S.M., Choi Y.K. & Kim J.H.(2005). An Innovative Korean System of Pressure-Grouted Soil Nailing as a Slope Stabilization Measure, *Proc. of the HKIE Geotechnical Division 25th Annual Seminar*, 4th May, 2005, Hong Kong, 43-49.

Yin J.H., Su L.J., Cheung R.W.M., Shiu Y.K. & Tang C. (2009). The Influence of Grouting Pressure on the Pullout Resistance of Soil Nails in Completely Decomposed Granite Fill, *Geotechnique*, 59(2), 103-113.

Yin J.H. & Zhou W.H. (2009). Influence of Grouting Pressure and Overburden Stress on the Interface Resistance of a Soil Nail, *Journal of Geotechnical and Geoenvironmental Engineering, ASCE*, 135(9), 1198-1208

Yin, J.H. and Su, L.J., (2006). An innovative laboratory box for testing nail pull-out resistance in soil, *ASTM Geotechnical Testing Journal*, 29, 1 - 11

Zhang, L. L., Fredlund, D. G., Zhang, L. M., & Tang, W. H. (2004). Conditions under which soil suction can be maintained. *Can. Geotech.J.*, 41(4), 569–582.

Zhang, L.L., Zhang, L.M., & Tang, W.H. (2009). Uncertainties of field pullout resistance of soil nails, *Journal of Geotechnical and Geoenvironmental Engineering*, 135(7), 966-973.

Zhou, W.H., Yin, J.H. & Hong, C.Y. (2011). Finite element modelling of pullout testing on a soil nail in a pullout box under different overburden and grouting pressures. *Canadian Geotechnical Journal*, 48(4), 557-567