REFERENCES

- Arvelo. (2004). Effects of The Soil Properties On the Maximum Dry Density Obtained From University of Central Florida.
- ASTM, (1999). Standard Proctor Test Designation D-698.
- Barnes, G. (2014). *Atterberg Limit Test Soil Mechanics Basic Civil Engineering*. Basic Civil Engineering. 239, 78 103.
- Barksdale, R. D. and R. c. Bachus, (1983). Design and Construction of Stone Columns, Report SCEGIT-83-10 submitted to the Federal Highl~ay Administration, School of Civil Engineering, Georgia Institute of Technology, Atlanta, Georgia.
- Black, J., Sivakumar, V., Madhav, M. R., and McCabe, B. (2006). An Improved Experimental Set-Up to Study the Performance Of Granular Columns. *Geotechnical Testing Journal*. 293, 193 199.
- Black, J., Sivakumar, V., & McKinley, J. D. (2007). Performance of Clay Samples Reinforced with Vertical Granular Columns. *Canadian Geotechnics Journal*. 44, 89 95.
- Brand, E. W., and Brenner, R. P. (1981). *Soft Clay Engineering*. (1st ed.). Amsterdam: Elsevier Scientific Publishing Company.
- Boltakova N. V. *et al.* (2016). Utilization of inorganic industrial wastes in producing construction ceramics. Review of Russian experience for the years 2000–2015. Kazan Federal University, Russia.
- Churchman, G., Gates, W., Theng, B. and Yuan, G. (2006) Clays and Clay Minerals for Pollution In: Bergaya, F., Theng, B.K.G. and Lagaly, G., Eds., Handbook of Clay Science. Developments in Clay Science, Vol. 1. Chapter 11.1, 625-675.
- Craig, R. F. (1983). *Soil Mechanics*. (3rd ed.). Berkshire, England: Van Nostrand Reinhold (UK) Co. Ltd.
- Craig, R. F. (1983). *Soil Mechanics*. (7th ed.). London, England: Spon Press, Taylor & Francis Group.
- Gniel, J., and Bouazza, A. (2009). Improvement of Soft Soils Using Geogrid Encased Stone Columns. *Geotextiles and Geomembranes*. 27, 167 175. Elsevier.
- Conduto, D. 1999. Geotechnical Engineering: Principles and Practices. Prenctice Hall.
- Head, K. H. (1992). Manual of Soil Laboratory Testing. (2nd ed). London: John Wiley & Sons.

- Holtz, R. D., Jamiolkowski, M. B., Lancellotta, R., and Pedroni, R. (1991).Prefabricated Vertical Drains: Design and Performance. Oxford: Butterworth Heinemann.
- Huang, H. W. (1990). The Use of Bottom Ash in Highway Embankments, Subgrade, and Subbases. Joint Highway Research Project, Final Report, FHWA/IN/JHRP-90/4, Purdue Univ., W. Lafayette, Ind.
- Integrated Publishing (2014). Engineering Aid 1 Advanced Structural Engineering Guide Book Volume 1.
- Izquierdo, M., Querol, X., Josab, A., Vazquez, E., and López-Soler, A. (2008). Comparison Between Laboratory and Field Leachability of MSWI Bottom Ash as a Road Material. *Science of the Total Environment*. 389, 10 19. Elsevier.
- De Brito J., Pereira A.S, Correia J.R. (2005). Mechanical behaviour of non-structural concrete made with recycled ceramic aggregates. Cem Concr Compos. 27(4),429–33.
- Jung, K.Y., Kitchen, N.R., Sudduth, K.A., Lee, K.S., Chung, S.O., (2010). Soil compactio varies by crop management system over a claypan soil landscape. *Soil Till. Res.* 107,1—10. Elsevier.
- Khan, Z. (2016). Consolidation Process of Deformation of Soils.
- Kim, B., Prezzi, M., and Salgado, R. (2005). Geotechnical Properties of Fly and Bottom AshMixtures for Use in Highway Embankments. *Journal of Geotechnical and Geoenvironmental Engineering*. 131 (7), 914 924. ASCE.
- Lee, F. W. (2008). Morphological, Mineralogical and Engineering Characteristics of Tanjung Bin Bottom Ash. Final Year Project Report, Universiti Teknologi Malaysia, Skudai.
- Maakaroun, T., Najjar S. S., and Sadek, S. (2009). Effect of Sand Columns on the Load Response of Soft Clays. *Proc. of Selected Papers of the 2009 International Foundation Congress and Equipment Expo.* 217 224. ASCE.
- Madhav, R. M. (2013). General Description of Permeability Test journal. *Geotechnical Testing Journal*. 168, 65 89.
- Mahmoud G. (2013). Bearing Capacity of Geosynthetic Encased Stone Column. Khaje Nasir Toosi University of Technology.
- Marto, A. (1996). *Volumetric Compression of a Silt Under Periodic Loading*. Doctor Philosophy. University of Bradford, U.K.

- Marto, A., Makhtar, A.M., Lee, F. W., Yap, S. L., and Muhardi (2009). Morphology, Mineralogy and Physical Characteristics of Tanjung Bin Coal Ash. 4th International Conference on Recent Advances in Materials, Minerals and Environment and 2_{nd} Asian Symposium on Materials and Processing (RAMM & ASMP 2009). June 1 3, 2009. Penang, Malaysia.
- Muhardi, Marto, A., Kassim, K. A., Makhtar, A. M, Lee, F. W. and Yap. S. Y. (2010). Engineering Characteristics of Tanjung Bin Coal Ash. *Electronic Journal of Geotechnical Engineering*, 15 (K), 1117 1129.
- Murugesan, S., and Rajagopal, K. (2010). Studies on the Behavior of Single and Group of Geosynthetic Encased Stone Columns. *Journal of Geotechnical and Geoenvironmental Engineering*, 136, 129 139.
- Najjar, S. S., Sadek, S., and Makaroun, T. (2010). Effect of Sand Columns on the UndrainedLoad Response of Soft Clays. *Journal of Geotechnical and Geoenvironmental Engineering*, 136 (9), 1263 1277. ASCE.
- Narasimha Rao, S., Prasad, Y. V. S. N., and Hanumanta Rao, V. (1992). *Use of Stone Columns in Soft Marine Clays*. Proc. 45th Canadian Geotechnical Conference, Canadian Geotechnical Society. September 1 7, 1992. Toronto, Canada.
- Raymond G.P (1997). Shearing Strength of Soil Volume 1. *Journal of Geotechnical Engineering 1997*.
- Reddy. K (2014). Illustrated Description of Constant Head Permeability Test. Engineering Properties of Soils Based on Laboratory Testing, UIC.128 (15).
- Rufaizal (2013). Engineering Properties of Batu Pahat Soft Clay Stabilized with Lime, Cement and Bentonite for Subgrade in Road Construction. Degree of Master. Universiti Tun Hussein Onn, Parit Raja, Malaysia.
- Senthamarai (2003). Concrete with Ceramic Waste Aggregate. University, Madras, Chennai 600 025, India.
- Schaefer, V.R., Ed. (1997). *Ground Improvement, Ground Reinforcement, Ground Treatment*, Geotechnical Special Publication No.69, American Society of civil Engineers, New York.
- Solidia Technologies (2015). Global Population growth and Urbanization. United States: Solidia Technologies.
- Stoeber, J.N., (2012). Effects of maximum particle size and sample scaling on the mechanical behavior of mine waste rock; a critical state approach. Master's Thesis. Colorado State University, Fort Collins, USA.
- Suryakanta P. (2013). Specific Gravity Test of Soil. Is2720 Part 3(1980).
- Tanaka H. (2012), Properties of Very Soft Clays: A Study of Thixotropic Hardening and Behaviour Under Low Consolidation Pressure. Hokkaido University, Japan.

Tandel, Y. K., Solanki, C. H., and Desai, A. K. (2012). Numerical Modelling of Encapsulated Stone Column-Reinforced Ground. *International Journal of Civil*.

Torkittikul and Chaipanich (2010). Utilization of Ceramic Waste as Fine Aggregate within Portland Cement and Fly Ash Concretes. Chiang Mai University, Thailand.